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Amazon QuickSight

Amazon QuickSight: ***Unable to locate subtitle***

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Welcome

Amazon QuickSight is a fully managed, serverless business intelligence service for the Amazon Web Services Cloud that makes it easy to extend data and insights to every user in your organization. This API reference contains documentation for a programming interface that you can use to manage Amazon QuickSight.

This document was last published on July 3, 2025.

Overview

The Amazon QuickSight API Reference provides descriptions, syntax, and usage examples for each of the operations and data types for Amazon QuickSight. You can use the API operations to programmatically expand and manage your Amazon QuickSight deployments.

You can also use one of the Amazon SDKs to access an API operation that's tailored to the programming language or platform that you're using. For more information, see Amazon SDKs.

How Do I?	Relevant Documentation
Learn more about making API requests	Making API Requests
See a list of API operations organized by topic	Amazon QuickSight API Operations by Topic
See an alphabetical index of API operations, data types, and common parameters and errors.	API Reference Index
Learn more about resource-level permissions	Permissions for Amazon QuickSight Resources

To learn more about Amazon QuickSight, see the Amazon QuickSight User Guide.

Terminology and Concepts

This section provides a list of terms for development in Amazon QuickSight.

Caller identity: – The identity of the Amazon Identity and Access Management (IAM user making an API request. The identity of the caller is determined by Amazon QuickSight using the signature attached to the request. Through the use of our provided SDK clients, no manual steps are necessary to generate the signature or attach it to the requests. However, you can do it manually if you want to.

Invoker identity: – In addition to the caller identity, but not as a replacement for it, you can assume a caller's identity through the IAM `AssumeRole` API when making calls to Amazon QuickSight. Amazon approves callers through their invoker's identity. This is done to avoid having to explicitly add multiple accounts belonging to the same Amazon QuickSight subscription.

QuickSight ARN: – Amazon Resource Name (ARN). Amazon QuickSight resources are identified using their name or ARN. For example, these are the ARNs for a group named `MyGroup1`, a user named `User1`, and a dashboard with the ID `1a1ac2b2-3fc3-4b44-5e5d-c6db6778df89`:

```
arn:aws:quicksight:us-east-1:111122223333:group/default/MyGroup1
arn:aws:quicksight:us-east-1:111122223333:user/default/User1
arn:aws:quicksight:us-west-2:111122223333:dashboard/1a1ac2b2-3fc3-4b44-5e5d-
c6db6778df89
```

In the following examples show ARNs for a template named "MyTemplate" and dashboard named "MyDashboard".

1. Sample ARN for a template

   ```
   arn:aws:quicksight:us-east-1:111122223333:template/MyTemplate
   ```

2. Sample ARN for a template, referencing a specific version of the template

   ```
   arn:aws:quicksight:us-east-1:111122223333:template/MyTemplate/version/10
   ```

3. Sample ARN for a template alias

   ```
   arn:aws:quicksight:us-east-1:111122223333:template/MyTemplate/alias/STAGING
   ```

4. Sample ARN for a dashboard

```
arn:aws:quicksight:us-east-1:111122223333:dashboard/MyDashboard
```

5. Sample ARN for a dashboard, referencing a specific version of the dashboard

```
arn:aws:quicksight:us-east-1:111122223333:dashboard/MyDashboard/version/10
```

Depending on the scenario, you might need to provide an entity's name, ID, or ARN. You can retrieve the ARN if you have the name, using some of the QuickSight API operations.

QuickSight dashboard: – An entity which identifies QuickSight reports, created from analyses or templates. QuickSight dashboards are sharable. With right permissions, scheduled email reports can be created from them. The `CreateDashboard` and `DescribeDashboard` API Operations act on the dashboard entity.

QuickSight template: – An entity which encapsulates the metadata required to create an analysis or a dashboard. It abstracts the dataset associated with the analysis by replacing it with placeholders. Templates can be used to create dashboards by replacing dataset placeholders with datasets that follow the same schema that was used to create the source analysis and template.

QuickSight user: – This is an Amazon QuickSight user identity acted upon by your API call. This user isn't identical to the caller identity but might be the one that maps to the user within Amazon QuickSight.

Using the Amazon QuickSight API

Following, you can find out how to get started using the Amazon QuickSight API.

Topics

- Making API Requests
- Amazon Resource Names (ARNs) in Amazon QuickSight
- Permissions for Amazon QuickSight Resources
- Amazon QuickSight API Errors

Making API Requests

We provide an API for Amazon QuickSight, and also Amazon SDKs that enable you to access Amazon QuickSight from your preferred programming language. Using Amazon QuickSight, you can manage some aspects of your deployment by using the Amazon SDKs.

To monitor the calls made to the Amazon QuickSight API for your account, you can use Amazon CloudTrail. CloudTrail can monitor calls made by the Amazon Web Services Management Console, command line tools, and other services. For more information, see the Amazon CloudTrail User Guide.

Contents

- Prerequisite Knowledge
- Available API Operations for Amazon QuickSight

Prerequisite Knowledge

If you plan to access Amazon QuickSight through an API, you should be familiar with the following:

- JSON
- Web services
- HTTP requests
- One or more programming languages, such as JavaScript, Java, Python, or C#.

We recommend visiting the Amazon Getting Started Resource Center for a tour of what Amazon SDKs and toolkits have to offer.

Although you can use a terminal and your favorite text editor, you might benefit from the more visual UI experience you get in an integrated development environment (IDE). We provide a list of IDEs in the *Amazon Getting Started Resource Center* in the IDE and IDE Toolkits section. This site provides Amazon toolkits that you can download for your preferred IDE. Some IDEs also offer tutorials to help you learn more about programming languages.

Available API Operations for Amazon QuickSight

Amazon QuickSight API operations provide:

- User and group management
- Data management (data sources, datasets, templates, and SPICE ingestion)
- Dashboard and analysis management
- Template management
- Permissions management
- Customization management

Amazon provides libraries, sample code, tutorials, and other resources for software developers who prefer to build applications using language-specific API operations instead of submitting a request over HTTPS. These libraries provide basic functions that automatically take care of tasks such as cryptographically signing your requests, retrying requests, and handling error responses. These libraries help make it easier for you to get started.

For more information about downloading the Amazon SDKs, see Amazon SDKs and Tools. The following links are a sample of the language-specific API documentation available.

Amazon Command Line Interface

- Amazon CLI QuickSight Command Reference
- Amazon CLI User Guide
- Amazon CLI Command Reference

Amazon SDK for .NET

- Amazon.Quicksight
- Amazon.Quicksight.Model

Amazon SDK for C++

- Aws::QuickSight::QuickSightClient Class Reference

Amazon SDK for Go

- quicksight

Amazon SDK for Java

- QuickSightClient
- QuickSightModel

Amazon SDK for JavaScript

- QuickSight

Amazon SDK for PHP

- QuickSightClient

Amazon SDK for Python (Boto3)

- QuickSight

Amazon SDK for Ruby

- Aws::QuickSight

Amazon Resource Names (ARNs) in Amazon QuickSight

Amazon Resource Names (ARNs) uniquely identify Amazon resources. An ARN identifies a resource unambiguously across all of Amazon, for example in IAM policies, Amazon Relational Database Service (Amazon RDS) tags, and API calls. To retrieve the ARN of an Amazon QuickSight resource, you can use the `Describe` operation on the relevant resource.

You can use this section to learn how ARNs work. The material here provides examples are geared specifically for Amazon QuickSight.

Topics

- ARN Formats
- Amazon QuickSight Resource ARNs

ARN Formats

ARNs are delimited by colons, and composed of *segments*, which are the parts separated by colons (`:`). The specific components and values used in the segments of an ARN depend on which Amazon service the ARN is for. The following example shows how ARNs are constructed.

```
arn:partition:service:region:account-id:resource-id
arn:partition:service:region:account-id:resource-type/resource-id
arn:partition:service:region:account-id:resource-type:resource-id
```

These ARNs contain the following segments:

partition – The partition that the resource is in. For standard Amazon Web Services Regions, the partition is *aws*. If you have resources in other partitions, the partition is *aws-partitionname*. For example, the partition for resources in the China (Beijing) Region is `aws-cn`.

service – The service namespace that identifies the Amazon product. For example, `quicksight` identifies Amazon QuickSight, `s3` identifies Amazon S3, `iam` identifies IAM, and so on.

region – The Amazon Web Services Region that the resource resides in. The ARNs for some resources don't require an Amazon Web Services Region, so this component might be omitted in some cases, like in the case of S3. Amazon QuickSight ARNs require an Amazon Web Services Region.

account-id – The ID of the Amazon Web Services account that owns the resource. When you use the account number in an ARN or an API operation, you omit the hyphens (for example, 123456789012). The ARNs for some resources don't require an account number, so this component might be omitted. Amazon QuickSight ARNs require an Amazon Web Services account number. However, the account number and the Amazon Web Services Region are omitted from S3 bucket ARNs, as shown following.

```
arn:aws:s3:::bucket_name
arn:aws:s3:::bucket_name/key_name
```

resource **or** ***resource-type*** – The content of this part of the ARN varies by service. A resource identifier can be the name or ID of the resource (for example, `user/Bob` or `instance/i-1234567890abcdef0`) or a resource path. For example, some resource identifiers include a parent resource (*sub-resource-type*/*parent-resource*/*sub-resource*) or a qualifier such as a version (*resource-type*:*resource-name*:*qualifier*).

Some resource ARNs can include a path, a variable, or a wildcard.

You can use wildcard characters (* and ?) within any ARN segment . An asterisk (*) represents any combination of zero or more characters, and a question mark (?) represents any single character. You can use multiple * or ? characters in each segment. If you are using the ARN for permissions, avoid using * wildcards if possible, to limit access to only the required elements. Following are some examples of using paths, wildcards, and variables.

For the following example, we use an S3 ARN. You might use this when you give permissions to S3 in an IAM policy. This S3 ARN shows a path and file are specified.

> **Note**
>
> The term *key name* is used to describe what looks like a path and file after `bucketname/`. These are called key names because a bucket doesn't actually contain folder structures like those used in your computer's file system. Instead the slash (/) is a delimiter that helps to make the organization of the bucket more intuitive. In this case, the bucket name is `amzn-s3-demo-bucket`, and the key name is `developers/design_info.doc`.

```
arn:aws:s3:::amzn-s3-demo-bucket/my-data/sales-export-2019-q4.json
```

If you want to identify all the objects in the bucket, you can use a wildcard to indicate that all key names (or paths and files) are included in the ARN, as follows.

```
arn:aws:s3:::amzn-s3-demo-bucket/*
```

You can use part of a key name plus the wildcard to identify all the objects that begin with a specific pattern. In this case, it resembles a folder name plus a wildcard, as shown following. However, this ARN also includes any "subfolders" inside of `my-data`.

```
arn:aws:s3:::amzn-s3-demo-bucket/my-data/*
```

You can specify a partial name by adding a wildcard. This one identifies any objects beginning with `my-data/sales-export*`.

```
arn:aws:s3:::amzn-s3-demo-bucket/my-data/sales-export*
```

In this case, specifying using this wildcard includes the objects with names like the following:

- `my-data/sales-export-1.xlsx`
- `my-data/sales-export-new.txt`
- `my-data/sales-export-2019/file1.txt`

You can use wildcards of both types (asterisks and question marks) in combination or separately, as shown following.

```
arn:aws:s3:::amzn-s3-demo-bucket/my-data/sales-export-2019-q?.*

arn:aws:s3:::amzn-s3-demo-bucket/my-data/sales-export-20??-q?.*
```

Or, if you want to future-proof the ARN, you can replace the entire year with a wildcard, rather than just using wildcards for the last two digits.

```
arn:aws:s3:::amzn-s3-demo-bucket/my-data/sales-export-????-q?.*
arn:aws:s3:::amzn-s3-demo-bucket/my-data/sales-export-*-q?.*
```

To read more about S3 ARNs, see Specifying Resources in a Policy and Object Key and Metadata in the *Amazon Simple Storage Service User Guide.*

Amazon QuickSight Resource ARNs

The following resource types are defined by Amazon QuickSight: user, group, dashboard, and topic. These are used in Amazon QuickSight API calls and as elements of IAM permission statements. To find up-to-date information for Amazon QuickSight (service prefix: quicksight) resources, actions, and condition context keys for use in IAM permission policies, see Actions, Resources, and Condition Keys for Amazon QuickSight in the *IAM User Guide.*

Resource Type	ARN Format	Condition Keys
user	arn:${Partition}:quicksight:${Region}:${Account}:user/${ResourceId}	N/A
group	arn:${Partition}:quicksight:${Region}:${Account}:group/${ResourceId}	N/A
dashboard	arn:${Partition}:quicksight:${Region}:${Account}:dashboard/${ResourceId}	N/A
topic	arn:${Partition}:quicksight:${Region}:${Account}:topic/${ResourceId}	N/A
analysis	arn:${Partition}:quicksight:${Region}:${Account}:analysis/${ResourceId}	N/A
template	arn:${Partition}:quicksight:${Region}:${Account}:template/${ResourceId}	N/A
theme	arn:${Partition}:quicksight:${Region}:${Account}:theme/${ResourceId}	N/A

Resource ARNs are constructed from the segments that describe your resource. For example, a resource ARN for an analysis consists of the following segments.

```
arn:<partition>:quicksight:<aws-region>:<aws-account-id>:<resource-type>/<resource-id>
```

The segments are defined as follows:

- *partition* – For example, `aws` or `aws-cn`.
- *aws-region* – The Amazon Web Services Region that contains the resource.
- *aws-account-id* – The Amazon Web Services account that contains the resource. This excludes the hyphens.
- *resource-type* – The type of resource. For this example, this is `analyses`. For a dashboard, it is `dashboard`.
- *resource-id* – The unique identifier for a specific resource.

The Amazon Web Services Region, resource type, and resource ID are identified in the URL of the resource when you are using the Amazon QuickSight console. For example, let's say this is the URL of the analysis you want an ARN for.

```
https://us-east-2.quicksight.aws.amazon.com/sn/analysis/a1b2c3d4-5678-90ab-cdef-EXAMPLE11111
```

The Amazon Web Services Region is `us-east-2`. The resource-type is `analysis`. The resource ID in this URL is `a1b2c3d4-5678-90ab-cdef-EXAMPLE11111`. If your account number is `111122223333`, then the ARN for this analysis is as follows.

```
arn:aws:quicksight:us-east-2:111122223333:analysis/a1b2c3d4-5678-90ab-cdef-EXAMPLE11111
```

To get your Amazon Web Services account number, contact your system administrator.

Permissions for Amazon QuickSight Resources

If you're not sure what the necessary permission is, you can attempt to make a call. The client then tells you what the missing permission is. You can use asterisk (*) in the Resource field of your permission policy instead of specifying explicit resources. However, we highly recommend that you restrict each permission as much as possible. You can restrict user access by specifying or excluding

resources in the policy, using their Amazon QuickSight ARN. To retrieve the ARN of an Amazon QuickSight resource, use the `Describe` operation on the relevant resource.

Before you can call the Amazon QuickSight API operations, you need the `quicksight:`*`operation-name`* permission in a policy attached to your IAM identity. For example, to call `list-users`, you need the permission `quicksight:ListUsers`. The same pattern applies to all operations. If you attempt to make the call you don't have permissions to call, the resulting error shows you what the missing permission is. We highly recommend that you restrict each permission as much as possible.

You can add conditions in IAM to further restrict access to an API in some scenarios. For example, when you add `User1` to `Group1`, the main resource is `Group1`. You can allow or deny access to certain groups. Or you can also edit the Amazon QuickSight IAM key `quicksight:UserName` to add a condition to allow or prevent certain users from being added to that group.

For more information, see the following:

- Actions, Resources, and Condition Keys
- IAM JSON Policy Elements

To see the most up-to-date list of Amazon QuickSight actions, see Actions Defined by Amazon QuickSight in the *IAM User Guide*.

Best Practices

Amazon QuickSight allows you to share analyses, dashboards, templates, and themes with up to 100 principals. A *principal* can be one of the following:

- The Amazon Resource Name (ARN) of an Amazon QuickSight user or group associated with a data source or dataset. (This is common.)
- The ARN of an Amazon QuickSight user, group, or namespace associated with an analysis, dashboard, template, or theme. (This is common.)
- The ARN of an Amazon account root: This is an IAM ARN rather than a QuickSight ARN. Use this option only to share resources (templates) across Amazon accounts. (This is less common.)

If you want to share these resources with more principals, consider assigning resource permissions at the group or namespace level. For example, if you add users into a group and share a resource to the group, the group counts as one principal, even though it is shared to everyone in the group.

Amazon QuickSight API Errors

Amazon QuickSight has two types of error codes:

- **Client errors** – These errors are usually caused by something the client did. An example is specifying an incorrect or invalid parameter in the request, or using an action or resource for a user that doesn't have permission to use the action or resource. These errors are accompanied by a 400-series HTTP response code.
- **Server errors** – These errors are usually caused by an Amazon server-side issue. These errors are accompanied by a 500-series HTTP response code.

Contents

- Common Client Errors
- Client Errors
- Server Errors

Common Client Errors

Following, you can find a list of the common client errors that all actions can return.

Error Code	Description
`AuthFailure`	The provided credentials could not be validated . You might not be authorized to carry out the request. Ensure that your account is authorized to use the Amazon QuickSight service, that your credit card details are correct, and that you are using the correct access keys.
`Blocked`	Your account is currently blocked. Contact Support if you have questions.

Error Code	Description
DryRunOperation	The user has the required permissions, so the request would have succeeded, but the DryRun parameter was used.
IdempotentParameterMismatch	The request uses the same client token as a previous, but non-identical request. Do not reuse a client token with different requests, unless the requests are identical.
IncompleteSignature	The request signature does not conform to Amazon standards.
InvalidAction	The action or operation requested is not valid. Verify that the action is typed correctly.
InvalidCharacter	A specified character is invalid.
InvalidClientTokenId	The X.509 certificate or Amazon access key ID provided does not exist in our records.
InvalidPaginationToken	The specified pagination token is not valid or is expired.
InvalidParameter	A parameter specified in a request is not valid, is unsupported, or cannot be used. The returned message provides an explanation of the error value.
InvalidParameterCombination	Indicates an incorrect combination of parameters, or a missing parameter.
InvalidParameterValue	A value specified in a parameter is not valid, is unsupported, or cannot be used. Ensure that you specify a resource by using its full ID. The return ed message provides an explanation of the error value.

Error Code	Description
`InvalidQueryParameter`	The Amazon query string is malformed or does not adhere to Amazon standards.
`MalformedQueryString`	The query string contains a syntax error.
`MissingAction`	The request is missing an action or a required parameter.
`MissingAuthenticationToken`	The request must contain either a valid (registered) Amazon access key ID or X.509 certificate.
`MissingParameter`	The request is missing a required parameter. Ensure that you have supplied all the required parameters for the request; for example, the resource ID.
`OptInRequired`	You are not authorized to use the requested service. Ensure that you have subscribed to the service you are trying to use. If you are new to Amazon, your account might take some time to be activated while your credit card details are being verified.
`PendingVerification`	Your account is pending verification. Until the verification process is complete, you might not be able to carry out requests with this account. If you have questions, contact Amazon Web Services Support.

Error Code	Description
RequestExpired	The request reached the service more than 15 minutes after the date stamp on the request or the request expiration date (such as for presigned URLs). Or the date stamp on the request is more than 15 minutes in the future. If you're using temporary security credentials, this error can also occur if the credentials have expired. For more information, see Temporary Security Credentials in the *IAM User Guide*.
UnauthorizedOperation	You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.
UnknownParameter	An unknown or unrecognized parameter was supplied. Requests that could cause this error include supplying a misspelled parameter or a parameter that is not supported for the specified API version.
UnsupportedInstanceAttribute	The specified attribute cannot be modified.
UnsupportedOperation	The specified request includes an unsupported operation. The returned message provides details of the unsupported operation.
UnsupportedProtocol	The protocol you used is unsupported.
ValidationError	The input fails to satisfy the constraints specified by an Amazon service.

Client Errors

Following, you can find a list of client errors that are specific to Amazon QuickSight API operations.

Error Code	Description
AccessDeniedException	You don't have access to this. The provided credentials could not be validated. You might not be authorized to carry out the request. Ensure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct access keys.
DomainNotWhiteListedException	The domain specified is not on the allowlist. All domains for embedded dashboards must be added to the approved list by an Amazon QuickSight admin.
IdentityTypeNotSupportedException	The identity type specified is not supported . Supported identity types include: IAM and QUICKSIGHT.
InvalidNextTokenException	The `NextToken` value isn't valid.
InvalidParameterValueException	One or more parameters don't have a valid value.
PreconditionNotMetException	One or more preconditions aren't met.
QuickSightUserNotFoundException	The user is not found. This could happen in any operation that requires finding a user based on the provided user name, such as DeleteUser, DescribeUser, and so on.
ResourceExistsException	The resource specified doesn't exist.
ResourceNotFoundException	One or more resources couldn't be found.
SessionLifetimeInMinutesInvalidException	The number of minutes specified for the lifetime of a session is invalid. The session lifetime must be between 15 and 600 minutes.
ThrottlingException	Access is throttled.

Error Code	Description
UnsupportedUserEditionException	Indicates that you are calling an operation on an Amazon QuickSight subscription where the edition does not include support for that operation. Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

Common Causes of Client Errors

There are a number of reasons that you might encounter an error while performing a request. Some errors can be prevented or easily solved by following these guidelines:

- **Specify the Amazon Web Services account ID and Namespace** – The relevant Amazon Web Services account ID must be provided with each request. The Namespace must be set to `default`.
- **Allow for eventual consistency** – Some errors are caused because a previous request has not yet propagated thorough the system.
- **Use a sleep interval between request rates** – Amazon QuickSight API requests are throttled to help maintain the performance of the service. If your requests have been throttled, you get an error.
- **Use the full ID of the resource** – When specifying a resource, ensure that you use its full ID, and not its user-supplied name or description.
- **Check your services** – Ensure that you have signed up for all the services you are attempting to use. You can check which services you're signed up for by going to the **My Account** section of the Amazon home page.
- **Check your permissions** – Ensure that you have the required permissions to carry out the request.
- **Check your VPC** – Some resources cannot be shared between virtual private clouds (VPCs), for example security groups.
- **Check your credentials** – Ensure that you provide your access keys when you are making requests and that you have entered the credentials correctly. Also, if you have more than one

account, ensure that you are using the correct credentials for a particular account. If the provided credentials are incorrect, you might get the following error: `Client.AuthFailure`.

Server Errors

Following, you can find a list of errors that can be returned by the server.

Error Code	Description
BatchClientRequestTokensNotDistinctException –	The batch client request tokens are not unique.
EmptyBatchRequestException	The batch request was empty.
InternalFailureException	An internal failure occurred.
InternalServiceError	There was an internal error from the service.
InvalidBatchClientRequestTokenException	The Amazon request token for this client batch request is invalid.
InvalidParameterException	One or more parameters has an invalid value.
LimitExceededException	A limit is exceeded.
ResourceUnavailableException	This resource is currently unavailable.
TooManyEntriesInBatchRequestException	There are too many entries in this batch request.

Amazon QuickSight API Operations by Topic

Use this section to locate QuickSight API operations by topic.

Topics

- QuickSight API Operations to Control Access
- QuickSight API Operations to Control Settings
- QuickSight API Operations for Embedding
- QuickSight API Operations to Control Assets
- QuickSight API Operations to Control Data Resources

QuickSight API Operations to Control Access

The API operations in this section control QuickSight users, QuickSight groups, QuickSight namespaces, and permissions to QuickSight assets.

Topics

- QuickSight Namespace API Operations
- QuickSight Group API Operations
- QuickSight User API Operations
- QuickSight API Operations for IAMPolicy Assignments
- QuickSight API Operations for Controlling Network Access
- QuickSight API Operations for Asset and Resource Permissions

QuickSight Namespace API Operations

The API operations in this section control QuickSight namespaces.

- CreateNamespace
- DeleteNamespace
- DescribeNamespace
- ListNamespaces

QuickSight Group API Operations

The API operations in this section control QuickSight groups.

- CreateGroup
- DescribeGroup
- ListGroups
- UpdateGroup
- DeleteGroup
- GroupMember
- CreateGroupMembership
- DeleteGroupMembership
- ListGroupMemberships

QuickSight User API Operations

The API operations in this section control QuickSight users.

- RegisterUser
- DescribeUser
- ListUsers
- ListUserGroups
- DeleteUser
- DeleteUserByPrincipalId
- ListIAMPolicyAssignmentsForUser
- UpdateUser

QuickSight API Operations for IAMPolicy Assignments

The API operations in this section control IAMpolicy assignments in QuickSight.

- CreateIAMPolicyAssignment
- UpdateIAMPolicyAssignment
- ListIAMPolicyAssignments

- ListIAMPolicyAssignmentsForUser
- DescribeIAMPolicyAssignment
- DeleteIAMPolicyAssignment

QuickSight API Operations for Controlling Network Access

The API operations in this section control network access to QuickSight.

IP restrictions

- DescribeIpRestriction
- UpdateIpRestriction

QuickSight API Operations for Asset and Resource Permissions

The API operations in this section control permissions and access to QuickSight assets and resources.

Resource permissions

- DescribeAnalysisPermissions
- UpdateAnalysisPermissions
- DescribeDashboardPermissions
- UpdateDashboardPermissions
- DescribeDataSetPermissions
- UpdateDataSetPermissions
- DescribeDataSourcePermissions
- UpdateDataSourcePermissions
- DescribeTemplatePermissions
- UpdateTemplatePermissions
- DescribeThemePermissions
- UpdateThemePermissions
- Custom UI permissions: RegisterUser and UpdateUser
- IAMpolicy assignments: CreateIAMPolicyAssignment and UpdateIAMPolicyAssignment

QuickSight API Operations to Control Settings

The API operations in this section control settings in QuickSight.

Topics

- QuickSight API Operations for Global Settings
- QuickSight API Operations for Customization
- QuickSight Tag API Operations

QuickSight API Operations for Global Settings

The API operations in this section control global settings for your QuickSight subscription.

- DescribeAccountSettings
- UpdateAccountSettings

QuickSight API Operations for Customization

The API operations in this section control QuickSight customizations, for example, branding by setting default themes.

- CreateAccountCustomization
- DeleteAccountCustomization
- DescribeAccountCustomization
- UpdateAccountCustomization

QuickSight Tag API Operations

The API operations in this section control tags in QuickSight.

Tags

- TagResource
- ListTagsForResource
- UntagResource

QuickSight API Operations for Embedding

The API operations in this section control the embedded QuickSight experiences: the embedded dashboard, the embedded authoring console, and the embedded Q search bar.

- GenerateEmbedUrlForAnonymousUser

  For information on how to embed dashboards for anonymous users, see Embedding Amazon QuickSight Dashboards for Everyone.
- GenerateEmbedUrlForRegisteredUser
  - For information on how to embed dashboards for registered users, see Embedding Amazon QuickSight Dashboards for Registered Users.
  - For information on how to embed the Amazon QuickSight console, see Embedding the Full Functionality of the QuickSight Console for Registered Users.
  - For more information on how to embed the QuickSight Q search bar, see Embedding the QuickSight Q Search Bar for Registered Users.

QuickSight API Operations to Control Assets

Topics

- QuickSight Analysis API Operations
- QuickSight Dashboard API Operations
- QuickSight Template API Operations
- QuickSight Theme API Operations

The API operations in this section control QuickSight assets.

QuickSight Analysis API Operations

The API operations in this section control QuickSight analyses.

- CreateAnalysis
- DescribeAnalysis
- DescribeAnalysisDefinition
- ListAnalyses

- RestoreAnalysis
- SearchAnalyses
- UpdateAnalysis
- DescribeAnalysisPermissions
- UpdateAnalysisPermissions
- DeleteAnalysis

QuickSight Dashboard API Operations

The API operations in this section control QuickSight dashboards.

- CreateDashboard
- DescribeDashboard
- DescribeDashboardDefinition
- ListDashboards
- ListDashboardVersions
- SearchDashboards
- UpdateDashboard
- DeleteDashboard
- DescribeDashboardPermissions
- UpdateDashboardPermissions
- UpdateDashboardPublishedVersion

QuickSight Template API Operations

The API operations in this section control QuickSight templates.

- CreateTemplate
- DescribeTemplate
- DescribeTemplateDefinition
- ListTemplates
- ListTemplateVersions
- UpdateTemplate

- DeleteTemplate
- DescribeTemplatePermissions
- UpdateTemplatePermissions
- CreateTemplateAlias
- ListTemplateAliases
- DescribeTemplateAlias
- UpdateTemplateAlias
- DeleteTemplateAlias

QuickSight Theme API Operations

The API operations in this section control QuickSight themes.

- CreateTheme
- DescribeTheme
- DescribeThemePermissions
- ListThemes
- ListThemeVersions
- UpdateTheme
- UpdateThemePermissions
- DeleteTheme
- CreateThemeAlias
- DescribeThemeAlias
- ListThemeAliases
- UpdateThemeAlias
- DeleteThemeAlias

QuickSight API Operations to Control Data Resources

The API operations in this section control QuickSight data resources.

Topics

- QuickSight API Operations for Data Sources
- QuickSight API Operations for Datasets
- QuickSight API Operations to Refresh SPICE Data (SPICE Ingestion)

QuickSight API Operations for Data Sources

The API operations in this section control QuickSight data sources.

- CreateDataSource
- DescribeDataSource
- ListDataSources
- UpdateDataSource
- DeleteDataSource
- DescribeDataSourcePermissions
- UpdateDataSetPermissions

QuickSight API Operations for Datasets

The API operations in this section control QuickSight datasets.

- CreateDataSet
- DescribeDataSet
- ListDataSets
- UpdateDataSet
- DeleteDataSet
- DescribeDataSetPermissions
- UpdateDataSetPermissions

QuickSight API Operations to Refresh SPICE Data (SPICE Ingestion)

The API operations in this section control refreshing SPICE data (SPICE ingestion).

- CreateIngestion
- CancelIngestion

- DescribeIngestion
- ListIngestions

Use the following API operations to create, update, and delete SPICE data refresh schedules.

- CreateRefreshSchedule
- DeleteRefreshSchedule
- DescribeRefreshSchedule
- UpdateRefreshSchedule
- ListRefreshSchedules

Use the following API operations to control the incremental refresh configruation of SPICE data in your QuickSight account.

- PutDataSetRefreshProperties
- DescribeDataSetRefreshProperties
- DeleteDataSetRefreshProperties

API Reference Index

This section contains the API Reference documentation.

Topics

- Actions
- Data Types
- Common Errors
- Common Parameters

Actions

The following actions are supported:

- BatchCreateTopicReviewedAnswer
- BatchDeleteTopicReviewedAnswer
- CancelIngestion
- CreateAccountCustomization
- CreateAccountSubscription
- CreateAnalysis
- CreateBrand
- CreateCustomPermissions
- CreateDashboard
- CreateDataSet
- CreateDataSource
- CreateFolder
- CreateFolderMembership
- CreateGroup
- CreateGroupMembership
- CreateIAMPolicyAssignment
- CreateIngestion
- CreateNamespace

- CreateRefreshSchedule
- CreateRoleMembership
- CreateTemplate
- CreateTemplateAlias
- CreateTheme
- CreateThemeAlias
- CreateTopic
- CreateTopicRefreshSchedule
- CreateVPCConnection
- DeleteAccountCustomization
- DeleteAccountSubscription
- DeleteAnalysis
- DeleteBrand
- DeleteBrandAssignment
- DeleteCustomPermissions
- DeleteDashboard
- DeleteDataSet
- DeleteDataSetRefreshProperties
- DeleteDataSource
- DeleteDefaultQBusinessApplication
- DeleteFolder
- DeleteFolderMembership
- DeleteGroup
- DeleteGroupMembership
- DeleteIAMPolicyAssignment
- DeleteIdentityPropagationConfig
- DeleteNamespace
- DeleteRefreshSchedule
- DeleteRoleCustomPermission
- DeleteRoleMembership

- DeleteTemplate
- DeleteTemplateAlias
- DeleteTheme
- DeleteThemeAlias
- DeleteTopic
- DeleteTopicRefreshSchedule
- DeleteUser
- DeleteUserByPrincipalId
- DeleteUserCustomPermission
- DeleteVPCConnection
- DescribeAccountCustomization
- DescribeAccountSettings
- DescribeAccountSubscription
- DescribeAnalysis
- DescribeAnalysisDefinition
- DescribeAnalysisPermissions
- DescribeAssetBundleExportJob
- DescribeAssetBundleImportJob
- DescribeBrand
- DescribeBrandAssignment
- DescribeBrandPublishedVersion
- DescribeCustomPermissions
- DescribeDashboard
- DescribeDashboardDefinition
- DescribeDashboardPermissions
- DescribeDashboardSnapshotJob
- DescribeDashboardSnapshotJobResult
- DescribeDashboardsQAConfiguration
- DescribeDataSet
- DescribeDataSetPermissions

- DescribeDataSetRefreshProperties
- DescribeDataSource
- DescribeDataSourcePermissions
- DescribeDefaultQBusinessApplication
- DescribeFolder
- DescribeFolderPermissions
- DescribeFolderResolvedPermissions
- DescribeGroup
- DescribeGroupMembership
- DescribeIAMPolicyAssignment
- DescribeIngestion
- DescribeIpRestriction
- DescribeKeyRegistration
- DescribeNamespace
- DescribeQPersonalizationConfiguration
- DescribeQuickSightQSearchConfiguration
- DescribeRefreshSchedule
- DescribeRoleCustomPermission
- DescribeTemplate
- DescribeTemplateAlias
- DescribeTemplateDefinition
- DescribeTemplatePermissions
- DescribeTheme
- DescribeThemeAlias
- DescribeThemePermissions
- DescribeTopic
- DescribeTopicPermissions
- DescribeTopicRefresh
- DescribeTopicRefreshSchedule
- DescribeUser

- DescribeVPCConnection
- GenerateEmbedUrlForAnonymousUser
- GenerateEmbedUrlForRegisteredUser
- GenerateEmbedUrlForRegisteredUserWithIdentity
- GetDashboardEmbedUrl
- GetSessionEmbedUrl
- ListAnalyses
- ListAssetBundleExportJobs
- ListAssetBundleImportJobs
- ListBrands
- ListCustomPermissions
- ListDashboards
- ListDashboardVersions
- ListDataSets
- ListDataSources
- ListFolderMembers
- ListFolders
- ListFoldersForResource
- ListGroupMemberships
- ListGroups
- ListIAMPolicyAssignments
- ListIAMPolicyAssignmentsForUser
- ListIdentityPropagationConfigs
- ListIngestions
- ListNamespaces
- ListRefreshSchedules
- ListRoleMemberships
- ListTagsForResource
- ListTemplateAliases
- ListTemplates

- ListTemplateVersions
- ListThemeAliases
- ListThemes
- ListThemeVersions
- ListTopicRefreshSchedules
- ListTopicReviewedAnswers
- ListTopics
- ListUserGroups
- ListUsers
- ListVPCConnections
- PredictQAResults
- PutDataSetRefreshProperties
- RegisterUser
- RestoreAnalysis
- SearchAnalyses
- SearchDashboards
- SearchDataSets
- SearchDataSources
- SearchFolders
- SearchGroups
- SearchTopics
- StartAssetBundleExportJob
- StartAssetBundleImportJob
- StartDashboardSnapshotJob
- StartDashboardSnapshotJobSchedule
- TagResource
- UntagResource
- UpdateAccountCustomization
- UpdateAccountSettings
- UpdateAnalysis

- UpdateAnalysisPermissions
- UpdateApplicationWithTokenExchangeGrant
- UpdateBrand
- UpdateBrandAssignment
- UpdateBrandPublishedVersion
- UpdateCustomPermissions
- UpdateDashboard
- UpdateDashboardLinks
- UpdateDashboardPermissions
- UpdateDashboardPublishedVersion
- UpdateDashboardsQAConfiguration
- UpdateDataSet
- UpdateDataSetPermissions
- UpdateDataSource
- UpdateDataSourcePermissions
- UpdateDefaultQBusinessApplication
- UpdateFolder
- UpdateFolderPermissions
- UpdateGroup
- UpdateIAMPolicyAssignment
- UpdateIdentityPropagationConfig
- UpdateIpRestriction
- UpdateKeyRegistration
- UpdatePublicSharingSettings
- UpdateQPersonalizationConfiguration
- UpdateQuickSightQSearchConfiguration
- UpdateRefreshSchedule
- UpdateRoleCustomPermission
- UpdateSPICECapacityConfiguration
- UpdateTemplate

- UpdateTemplateAlias
- UpdateTemplatePermissions
- UpdateTheme
- UpdateThemeAlias
- UpdateThemePermissions
- UpdateTopic
- UpdateTopicPermissions
- UpdateTopicRefreshSchedule
- UpdateUser
- UpdateUserCustomPermission
- UpdateVPCConnection

BatchCreateTopicReviewedAnswer

Creates new reviewed answers for a Q Topic.

Request Syntax

```
POST /accounts/AwsAccountId/topics/TopicId/batch-create-reviewed-answers HTTP/1.1
Content-type: application/json

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                           },
                           "SortDirection": "string"
                        }
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                        }
```

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            "TimeGranularity": "string"
         }
      ],
      "Anchor": {
         "AnchorType": "string",
         "Offset": number,
         "TimeGranularity": "string"
      },
      "Constant": {
         "ConstantType": "string",
         "Maximum": "string",
         "Minimum": "string",
         "Value": "string",
         "ValueList": [
            {
               "ConstantType": "string",
               "Value": "string"
            }
         ]
      },
      "FilterClass": "string",
      "FilterType": "string",
      "Function": "string",
      "Inclusive": boolean,
      "Inverse": boolean,
      "LastNextOffset": {
         "ConstantType": "string",
         "Maximum": "string",
         "Minimum": "string",
         "Value": "string",
         "ValueList": [
```

```
                        {
                           "ConstantType": "string",
                           "Value": "string"
                        }
                     ]
                  },
                  "NullFilter": "string",
                  "OperandField": {
                     "Identity": "string"
                  },
                  "Range": {
                     "ConstantType": "string",
                     "Maximum": "string",
                     "Minimum": "string",
                     "Value": "string",
                     "ValueList": [
                        {
                           "ConstantType": "string",
                           "Value": "string"
                        }
                     ]
                  },
                  "SortDirection": "string",
                  "TimeGranularity": "string",
                  "TopBottomLimit": {
                     "ConstantType": "string",
                     "Maximum": "string",
                     "Minimum": "string",
                     "Value": "string",
                     "ValueList": [
                        {
                           "ConstantType": "string",
                           "Value": "string"
                        }
                     ]
                  }
               }
            ]
         ],
         "GroupByList": [
            {
               "DisplayFormat": "string",
               "DisplayFormatOptions": {
                  "BlankCellFormat": "string",
```

```
                        "CurrencySymbol": "string",
                        "DateFormat": "string",
                        "DecimalSeparator": "string",
                        "FractionDigits": number,
                        "GroupingSeparator": "string",
                        "NegativeFormat": {
                           "Prefix": "string",
                           "Suffix": "string"
                        },
                        "Prefix": "string",
                        "Suffix": "string",
                        "UnitScaler": "string",
                        "UseBlankCellFormat": boolean,
                        "UseGrouping": boolean
                     },
                     "FieldName": {
                        "Identity": "string"
                     },
                     "NamedEntity": {
                        "NamedEntityName": "string"
                     },
                     "Sort": {
                        "Operand": {
                           "Identity": "string"
                        },
                        "SortDirection": "string"
                     },
                     "TimeGranularity": "string"
                  }
               ],
               "Metrics": [
                  {
                     "CalculatedFieldReferences": [
                        {
                           "Identity": "string"
                        }
                     ],
                     "ComparisonMethod": {
                        "Period": "string",
                        "Type": "string",
                        "WindowSize": number
                     },
                     "DisplayFormat": "string",
                     "DisplayFormatOptions": {
```

```
                        "BlankCellFormat": "string",
                        "CurrencySymbol": "string",
                        "DateFormat": "string",
                        "DecimalSeparator": "string",
                        "FractionDigits": number,
                        "GroupingSeparator": "string",
                        "NegativeFormat": {
                           "Prefix": "string",
                           "Suffix": "string"
                        },
                        "Prefix": "string",
                        "Suffix": "string",
                        "UnitScaler": "string",
                        "UseBlankCellFormat": boolean,
                        "UseGrouping": boolean
                     },
                     "Expression": "string",
                     "Function": {
                        "Aggregation": "string",
                        "AggregationFunctionParameters": {
                           "string" : "string"
                        },
                        "Period": "string",
                        "PeriodField": "string"
                     },
                     "MetricId": {
                        "Identity": "string"
                     },
                     "NamedEntity": {
                        "NamedEntityName": "string"
                     },
                     "Operands": [
                        {
                           "Identity": "string"
                        }
                     ]
                  }
               ],
               "Sort": {
                  "Operand": {
                     "Identity": "string"
                  },
                  "SortDirection": "string"
               },
```

```
                "Visual": {
                   "type": "string"
                }
             },
             "Role": "string",
             "SupportingVisuals": [
                "TopicVisual"
             ],
             "VisualId": "string"
          },
          "Question": "string",
          "Template": {
             "Slots": [
                {
                   "SlotId": "string",
                   "VisualId": "string"
                }
             ],
             "TemplateType": "string"
          }
       }
    ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that you want to create a reviewed answer in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID for the topic reviewed answer that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Answers

The definition of the Answers to be created.

Type: Array of CreateTopicReviewedAnswer objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "InvalidAnswers": [
      {
         "AnswerId": "string",
         "Error": "string"
      }
   ],
   "RequestId": "string",
   "SucceededAnswers": [
      {
         "AnswerId": "string"
      }
   ],
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

InvalidAnswers

The definition of Answers that are invalid and not created.

Type: Array of InvalidTopicReviewedAnswer objects

RequestId

The Amazon request ID for this operation.

Type: String

SucceededAnswers

The definition of Answers that are successfully created.

Type: Array of SucceededTopicReviewedAnswer objects

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID for the topic reviewed answer that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

BatchDeleteTopicReviewedAnswer

Deletes reviewed answers for Q Topic.

Request Syntax

```
POST /accounts/AwsAccountId/topics/TopicId/batch-delete-reviewed-answers HTTP/1.1
Content-type: application/json

{
   "AnswerIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that you want to delete a reviewed answers in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID for the topic reviewed answer that you want to delete. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AnswerIds

The Answer IDs of the Answers to be deleted.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: ^[A-Za-z0-9-_.\\+]*$

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "InvalidAnswers": [
      {
         "AnswerId": "string",
         "Error": "string"
      }
   ],
   "RequestId": "string",
   "SucceededAnswers": [
      {
         "AnswerId": "string"
      }
   ],
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

InvalidAnswers

The definition of Answers that are invalid and not deleted.

Type: Array of InvalidTopicReviewedAnswer objects

RequestId

The Amazon request ID for this operation.

Type: String

SucceededAnswers

The definition of Answers that are successfully deleted.

Type: Array of SucceededTopicReviewedAnswer objects

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic reviewed answer that you want to delete. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CancelIngestion

Cancels an ongoing ingestion of data into SPICE.

Request Syntax

```
DELETE /accounts/AwsAccountId/data-sets/DataSetId/ingestions/IngestionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID of the dataset used in the ingestion.

Required: Yes

IngestionId

An ID for the ingestion.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: ^[a-zA-Z0-9-_]+$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Arn": "string",
   "IngestionId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the data ingestion.

Type: String

IngestionId

An ID for the ingestion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-_]+$`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CancelIngestion.

Sample Request

```
DELETE /accounts/*AwsAccountId*/data-sets/*DataSetID*/ingestions/*IngestionID* HTTP/1.1
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateAccountCustomization

Creates Amazon QuickSight customizations for the current Amazon Web Services Region. Currently, you can add a custom default theme by using the `CreateAccountCustomization` or `UpdateAccountCustomization` API operation. To further customize Amazon QuickSight by removing Amazon QuickSight sample assets and videos for all new users, see Customizing Amazon QuickSight in the *Amazon QuickSight User Guide.*

You can create customizations for your Amazon account or, if you specify a namespace, for a QuickSight namespace instead. Customizations that apply to a namespace always override customizations that apply to an Amazon account. To find out which customizations apply, use the `DescribeAccountCustomization` API operation.

Before you use the `CreateAccountCustomization` API operation to add a theme as the namespace default, make sure that you first share the theme with the namespace. If you don't share it with the namespace, the theme isn't visible to your users even if you make it the default theme. To check if the theme is shared, view the current permissions by using the `DescribeThemePermissions` API operation. To share the theme, grant permissions by using the `UpdateThemePermissions` API operation.

Request Syntax

```
POST /accounts/AwsAccountId/customizations?namespace=Namespace HTTP/1.1
Content-type: application/json

{
   "AccountCustomization": {
      "DefaultEmailCustomizationTemplate": "string",
      "DefaultTheme": "string"
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to customize Amazon QuickSight for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The Amazon QuickSight namespace that you want to add customizations to.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Request Body

The request accepts the following data in JSON format.

AccountCustomization

The Amazon QuickSight customizations you're adding in the current Amazon Web Services Region. You can add these to an Amazon account and a QuickSight namespace.

For example, you can add a default theme by setting `AccountCustomization` to the midnight theme: `"AccountCustomization": { "DefaultTheme": "arn:aws:quicksight::aws:theme/MIDNIGHT" }`. Or, you can add a custom theme by specifying `"AccountCustomization": { "DefaultTheme": "arn:aws:quicksight:us-west-2:111122223333:theme/bdb844d0-0fe9-4d9d-b520-0fe602d93639" }`.

Type: AccountCustomization object

Required: Yes

Tags

A list of the tags that you want to attach to this resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AccountCustomization": {
      "DefaultEmailCustomizationTemplate": "string",
      "DefaultTheme": "string"
   },
   "Arn": "string",
   "AwsAccountId": "string",
   "Namespace": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AccountCustomization

The Amazon QuickSight customizations you're adding in the current Amazon Web Services Region.

Type: AccountCustomization object

Arn

The Amazon Resource Name (ARN) for the customization that you created for this Amazon account.

Type: String

AwsAccountId

The ID for the Amazon account that you want to customize Amazon QuickSight for.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Namespace

The namespace associated with the customization you're creating.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateAccountSubscription

Creates an Amazon QuickSight account, or subscribes to Amazon QuickSight Q.

The Amazon Web Services Region for the account is derived from what is configured in the Amazon CLI or SDK.

Before you use this operation, make sure that you can connect to an existing Amazon Web Services account. If you don't have an Amazon Web Services account, see Sign up for Amazon in the *Amazon QuickSight User Guide*. The person who signs up for Amazon QuickSight needs to have the correct Amazon Identity and Access Management (IAM) permissions. For more information, see IAM Policy Examples for Amazon QuickSight in the *Amazon QuickSight User Guide*.

If your IAM policy includes both the `Subscribe` and `CreateAccountSubscription` actions, make sure that both actions are set to `Allow`. If either action is set to `Deny`, the `Deny` action prevails and your API call fails.

You can't pass an existing IAM role to access other Amazon services using this API operation. To pass your existing IAM role to Amazon QuickSight, see Passing IAM roles to Amazon QuickSight in the *Amazon QuickSight User Guide*.

You can't set default resource access on the new account from the Amazon QuickSight API. Instead, add default resource access from the Amazon QuickSight console. For more information about setting default resource access to Amazon services, see Setting default resource access to Amazon services in the *Amazon QuickSight User Guide*.

Request Syntax

```
POST /account/AwsAccountId HTTP/1.1
Content-type: application/json

{
   "AccountName": "string",
   "ActiveDirectoryName": "string",
   "AdminGroup": [ "string" ],
   "AdminProGroup": [ "string" ],
   "AuthenticationMethod": "string",
   "AuthorGroup": [ "string" ],
   "AuthorProGroup": [ "string" ],
   "ContactNumber": "string",
   "DirectoryId": "string",
```

```
    "Edition": "string",
    "EmailAddress": "string",
    "FirstName": "string",
    "IAMIdentityCenterInstanceArn": "string",
    "LastName": "string",
    "NotificationEmail": "string",
    "ReaderGroup": [ "string" ],
    "ReaderProGroup": [ "string" ],
    "Realm": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon Web Services account ID of the account that you're using to create your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AccountName

The name of your Amazon QuickSight account. This name is unique over all of Amazon, and it appears only when users sign in. You can't change `AccountName` value after the Amazon QuickSight account is created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 62.

Pattern: `^(?!D-|d-)([\da-zA-Z]+)([-]*[\da-zA-Z])*`

Required: Yes

AuthenticationMethod

The method that you want to use to authenticate your Amazon QuickSight account.

If you choose `ACTIVE_DIRECTORY`, provide an `ActiveDirectoryName` and an `AdminGroup` associated with your Active Directory.

If you choose `IAM_IDENTITY_CENTER`, provide an `AdminGroup` associated with your IAM Identity Center account.

Type: String

Valid Values: `IAM_AND_QUICKSIGHT | IAM_ONLY | ACTIVE_DIRECTORY | IAM_IDENTITY_CENTER`

Required: Yes

NotificationEmail

The email address that you want Amazon QuickSight to send notifications to regarding your Amazon QuickSight account or Amazon QuickSight subscription.

Type: String

Required: Yes

ActiveDirectoryName

The name of your Active Directory. This field is required if `ACTIVE_DIRECTORY` is the selected authentication method of the new Amazon QuickSight account.

Type: String

Required: No

AdminGroup

The admin group associated with your Active Directory or IAM Identity Center account. Either this field or the `AdminProGroup` field is required if `ACTIVE_DIRECTORY` or `IAM_IDENTITY_CENTER` is the selected authentication method of the new Amazon QuickSight account.

For more information about using IAM Identity Center in Amazon QuickSight, see Using IAM Identity Center with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide. For more information about using Active Directory in Amazon QuickSight, see Using

Active Directory with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide.

Type: Array of strings

Required: No

AdminProGroup

The admin pro group associated with your Active Directory or IAM Identity Center account. Either this field or the `AdminGroup` field is required if `ACTIVE_DIRECTORY` or `IAM_IDENTITY_CENTER` is the selected authentication method of the new Amazon QuickSight account.

For more information about using IAM Identity Center in Amazon QuickSight, see Using IAM Identity Center with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide. For more information about using Active Directory in Amazon QuickSight, see Using Active Directory with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide.

Type: Array of strings

Required: No

AuthorGroup

The author group associated with your Active Directory or IAM Identity Center account.

For more information about using IAM Identity Center in Amazon QuickSight, see Using IAM Identity Center with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide. For more information about using Active Directory in Amazon QuickSight, see Using Active Directory with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide.

Type: Array of strings

Required: No

AuthorProGroup

The author pro group associated with your Active Directory or IAM Identity Center account.

For more information about using IAM Identity Center in Amazon QuickSight, see Using IAM Identity Center with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User

Guide. For more information about using Active Directory in Amazon QuickSight, see Using Active Directory with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide.

Type: Array of strings

Required: No

ContactNumber

A 10-digit phone number for the author of the Amazon QuickSight account to use for future communications. This field is required if `ENTERPPRISE_AND_Q` is the selected edition of the new Amazon QuickSight account.

Type: String

Required: No

DirectoryId

The ID of the Active Directory that is associated with your Amazon QuickSight account.

Type: String

Required: No

Edition

The edition of Amazon QuickSight that you want your account to have. Currently, you can choose from `ENTERPRISE` or `ENTERPRISE_AND_Q`.

If you choose `ENTERPRISE_AND_Q`, the following parameters are required:

- `FirstName`
- `LastName`
- `EmailAddress`
- `ContactNumber`

Type: String

Valid Values: `STANDARD | ENTERPRISE | ENTERPRISE_AND_Q`

Required: No

EmailAddress

The email address of the author of the Amazon QuickSight account to use for future communications. This field is required if `ENTERPPRISE_AND_Q` is the selected edition of the new Amazon QuickSight account.

Type: String

Required: No

FirstName

The first name of the author of the Amazon QuickSight account to use for future communications. This field is required if `ENTERPPRISE_AND_Q` is the selected edition of the new Amazon QuickSight account.

Type: String

Required: No

IAMIdentityCenterInstanceArn

The Amazon Resource Name (ARN) for the IAM Identity Center instance.

Type: String

Required: No

LastName

The last name of the author of the Amazon QuickSight account to use for future communications. This field is required if `ENTERPPRISE_AND_Q` is the selected edition of the new Amazon QuickSight account.

Type: String

Required: No

ReaderGroup

The reader group associated with your Active Directory or IAM Identity Center account.

For more information about using IAM Identity Center in Amazon QuickSight, see Using IAM Identity Center with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide. For more information about using Active Directory in Amazon QuickSight, see Using

Active Directory with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide.

Type: Array of strings

Required: No

ReaderProGroup

The reader pro group associated with your Active Directory or IAM Identity Center account.

For more information about using IAM Identity Center in Amazon QuickSight, see Using IAM Identity Center with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide. For more information about using Active Directory in Amazon QuickSight, see Using Active Directory with Amazon QuickSight Enterprise Edition in the Amazon QuickSight User Guide.

Type: Array of strings

Required: No

Realm

The realm of the Active Directory that is associated with your Amazon QuickSight account. This field is required if `ACTIVE_DIRECTORY` is the selected authentication method of the new Amazon QuickSight account.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "SignupResponse": {
      "accountName": "string",
      "directoryType": "string",
      "IAMUser": boolean,
      "userLoginName": "string"
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

SignupResponse

A `SignupResponse` object that returns information about a newly created Amazon QuickSight account.

Type: SignupResponse object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateAnalysis

Creates an analysis in Amazon QuickSight. Analyses can be created either from a template or from an `AnalysisDefinition`.

Request Syntax

```
POST /accounts/AwsAccountId/analyses/AnalysisId HTTP/1.1
Content-type: application/json

{
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetIdentifierDeclarations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
      "QueryExecutionOptions": {
         "QueryExecutionMode": "string"
      },
      "Sheets": [
         { ... }
      ],
```

```
      "StaticFiles": [
         { ... }
      ]
   },
   "FolderArns": [ "string" ],
   "Name": "string",
   "Parameters": {
      "DateTimeParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "DecimalParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "IntegerParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "StringParameters": [
         {
            "Name": "string",
            "Values": [ "string" ]
         }
      ]
   },
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "SourceEntity": {
      "SourceTemplate": {
         "Arn": "string",
         "DataSetReferences": [
            {
               "DataSetArn": "string",
```

```
                "DataSetPlaceholder": "string"
             }
          ]
       }
    },
    "Tags": [
       {
          "Key": "string",
          "Value": "string"
       }
    ],
    "ThemeArn": "string",
    "ValidationStrategy": {
       "Mode": "string"
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID for the analysis that you're creating. This ID displays in the URL of the analysis.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account where you are creating an analysis.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

A descriptive name for the analysis that you're creating. This name displays for the analysis in the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

Definition

The definition of an analysis.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Either a `SourceEntity` or a `Definition` must be provided in order for the request to be valid.

Type: AnalysisDefinition object

Required: No

FolderArns

When you create the analysis, Amazon QuickSight adds the analysis to these folders.

Type: Array of strings

Array Members: Maximum number of 1 item.

Required: No

Parameters

The parameter names and override values that you want to use. An analysis can have any parameter type, and some parameters might accept multiple values.

Type: Parameters object

Required: No

Permissions

A structure that describes the principals and the resource-level permissions on an analysis. You can use the `Permissions` structure to grant permissions by providing a list of Amazon Identity

and Access Management (IAM) action information for each principal listed by Amazon Resource Name (ARN).

To specify no permissions, omit `Permissions`.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

SourceEntity

A source entity to use for the analysis that you're creating. This metadata structure contains details that describe a source template and one or more datasets.

Either a `SourceEntity` or a `Definition` must be provided in order for the request to be valid.

Type: AnalysisSourceEntity object

Required: No

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the analysis.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

ThemeArn

The ARN for the theme to apply to the analysis that you're creating. To see the theme in the Amazon QuickSight console, make sure that you have access to it.

Type: String

Required: No

ValidationStrategy

The option to relax the validation needed to create an analysis with definition objects. This skips the validation step for specific errors.

Type: ValidationStrategy object

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnalysisId": "string",
   "Arn": "string",
   "CreationStatus": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisId

The ID of the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Arn

The ARN for the analysis.

Type: String

CreationStatus

The status of the creation of the analysis.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateBrand

Creates an Amazon QuickSight brand.

Request Syntax

```
POST /accounts/AwsAccountId/brands/BrandId HTTP/1.1
Content-type: application/json

{
   "BrandDefinition": {
      "ApplicationTheme": {
         "BrandColorPalette": {
            "Accent": {
               "Background": "string",
               "Foreground": "string"
            },
            "Danger": {
               "Background": "string",
               "Foreground": "string"
            },
            "Dimension": {
               "Background": "string",
               "Foreground": "string"
            },
            "Info": {
               "Background": "string",
               "Foreground": "string"
            },
            "Measure": {
               "Background": "string",
               "Foreground": "string"
            },
            "Primary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Secondary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Success": {
               "Background": "string",
```

```
            "Foreground": "string"
         },
         "Warning": {
            "Background": "string",
            "Foreground": "string"
         }
      },
      "BrandElementStyle": {
         "NavbarStyle": {
            "ContextualNavbar": {
               "Background": "string",
               "Foreground": "string"
            },
            "GlobalNavbar": {
               "Background": "string",
               "Foreground": "string"
            }
         }
      }
   },
   "BrandName": "string",
   "Description": "string",
   "LogoConfiguration": {
      "AltText": "string",
      "LogoSet": {
         "Favicon": {
            "Original": {
               "Source": { ... }
            }
         },
         "Primary": {
            "Original": {
               "Source": { ... }
            }
         }
      }
   }
},
"Tags": [
   {
      "Key": "string",
      "Value": "string"
   }
]
```

```
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

BrandId

The ID of the Amazon QuickSight brand.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BrandDefinition

The definition of the brand.

Type: BrandDefinition object

Required: No

Tags

A map of the key-value pairs that are assigned to the brand.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BrandDefinition": {
      "ApplicationTheme": {
         "BrandColorPalette": {
            "Accent": {
               "Background": "string",
               "Foreground": "string"
            },
            "Danger": {
               "Background": "string",
               "Foreground": "string"
            },
            "Dimension": {
               "Background": "string",
               "Foreground": "string"
            },
            "Info": {
               "Background": "string",
               "Foreground": "string"
            },
            "Measure": {
               "Background": "string",
               "Foreground": "string"
            },
            "Primary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Secondary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Success": {
               "Background": "string",
               "Foreground": "string"
            },
```

```
            "Warning": {
               "Background": "string",
               "Foreground": "string"
            }
         },
         "BrandElementStyle": {
            "NavbarStyle": {
               "ContextualNavbar": {
                  "Background": "string",
                  "Foreground": "string"
               },
               "GlobalNavbar": {
                  "Background": "string",
                  "Foreground": "string"
               }
            }
         }
      },
      "BrandName": "string",
      "Description": "string",
      "LogoConfiguration": {
         "AltText": "string",
         "LogoSet": {
            "Favicon": {
               "Original": {
                  "Source": { ... }
               }
            },
            "Primary": {
               "Original": {
                  "Source": { ... }
               }
            }
         }
      }
   },
   "BrandDetail": {
      "Arn": "string",
      "BrandId": "string",
      "BrandStatus": "string",
      "CreatedTime": number,
      "Errors": [ "string" ],
      "LastUpdatedTime": number,
      "Logo": {
```

```
         "AltText": "string",
         "LogoSet": {
            "Favicon": {
               "Height32": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Height64": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Original": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               }
            },
            "Primary": {
               "Height32": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Height64": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Original": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               }
            }
         },
         "VersionId": "string",
         "VersionStatus": "string"
      },
      "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BrandDefinition

The definition of the brand.

Type: BrandDefinition object

BrandDetail

The details of the brand.

Type: BrandDetail object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateCustomPermissions

Creates a custom permissions profile.

Request Syntax

```
POST /accounts/AwsAccountId/custom-permissions HTTP/1.1
Content-type: application/json

{
   "Capabilities": {
      "AddOrRunAnomalyDetectionForAnalyses": "string",
      "CreateAndUpdateDashboardEmailReports": "string",
      "CreateAndUpdateDatasets": "string",
      "CreateAndUpdateDataSources": "string",
      "CreateAndUpdateThemes": "string",
      "CreateAndUpdateThresholdAlerts": "string",
      "CreateSharedFolders": "string",
      "CreateSPICEDataset": "string",
      "ExportToCsv": "string",
      "ExportToCsvInScheduledReports": "string",
      "ExportToExcel": "string",
      "ExportToExcelInScheduledReports": "string",
      "ExportToPdf": "string",
      "ExportToPdfInScheduledReports": "string",
      "IncludeContentInScheduledReportsEmail": "string",
      "PrintReports": "string",
      "RenameSharedFolders": "string",
      "ShareAnalyses": "string",
      "ShareDashboards": "string",
      "ShareDatasets": "string",
      "ShareDataSources": "string",
      "SubscribeDashboardEmailReports": "string",
      "ViewAccountSPICECapacity": "string"
   },
   "CustomPermissionsName": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that you want to create the custom permissions profile in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CustomPermissionsName

The name of the custom permissions profile that you want to create.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: Yes

Capabilities

A set of actions to include in the custom permissions profile.

Type: Capabilities object

Required: No

Tags

The tags to associate with the custom permissions profile.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the custom permissions profile.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateDashboard

Creates a dashboard from either a template or directly with a `DashboardDefinition`. To first create a template, see the `CreateTemplate` API operation.

A dashboard is an entity in Amazon QuickSight that identifies Amazon QuickSight reports, created from analyses. You can share Amazon QuickSight dashboards. With the right permissions, you can create scheduled email reports from them. If you have the correct permissions, you can create a dashboard from a template that exists in a different Amazon account.

Request Syntax

```
POST /accounts/AwsAccountId/dashboards/DashboardId HTTP/1.1
Content-type: application/json

{
   "DashboardPublishOptions": {
      "AdHocFilteringOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointDrillUpDownOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointMenuLabelOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointTooltipOption": {
         "AvailabilityStatus": "string"
      },
      "DataQAEnabledOption": {
         "AvailabilityStatus": "string"
      },
      "ExportToCSVOption": {
         "AvailabilityStatus": "string"
      },
      "ExportWithHiddenFieldsOption": {
         "AvailabilityStatus": "string"
      },
      "SheetControlsOption": {
         "VisibilityState": "string"
      },
      "SheetLayoutElementMaximizationOption": {
         "AvailabilityStatus": "string"
```

```
      },
      "VisualAxisSortOption": {
         "AvailabilityStatus": "string"
      },
      "VisualMenuOption": {
         "AvailabilityStatus": "string"
      },
      "VisualPublishOptions": {
         "ExportHiddenFieldsOption": {
            "AvailabilityStatus": "string"
         }
      }
   },
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetIdentifierDeclarations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
      "Sheets": [
         { ... }
      ],
      "StaticFiles": [
         { ... }
```

```
      ]
   },
   "FolderArns": [ "string" ],
   "LinkEntities": [ "string" ],
   "LinkSharingConfiguration": {
      "Permissions": [
         {
            "Actions": [ "string" ],
            "Principal": "string"
         }
      ]
   },
   "Name": "string",
   "Parameters": {
      "DateTimeParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "DecimalParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "IntegerParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "StringParameters": [
         {
            "Name": "string",
            "Values": [ "string" ]
         }
      ]
   },
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
```

```
    ],
    "SourceEntity": {
       "SourceTemplate": {
          "Arn": "string",
          "DataSetReferences": [
             {
                "DataSetArn": "string",
                "DataSetPlaceholder": "string"
             }
          ]
       }
    },
    "Tags": [
       {
          "Key": "string",
          "Value": "string"
       }
    ],
    "ThemeArn": "string",
    "ValidationStrategy": {
       "Mode": "string"
    },
    "VersionDescription": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account where you want to create the dashboard.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard, also added to the IAM policy.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The display name of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DashboardPublishOptions

Options for publishing the dashboard when you create it:

- `AvailabilityStatus` for `AdHocFilteringOption` - This status can be either `ENABLED` or `DISABLED`. When this is set to `DISABLED`, Amazon QuickSight disables the left filter pane on the published dashboard, which can be used for ad hoc (one-time) filtering. This option is `ENABLED` by default.
- `AvailabilityStatus` for `ExportToCSVOption` - This status can be either `ENABLED` or `DISABLED`. The visual option to export data to .CSV format isn't enabled when this is set to `DISABLED`. This option is `ENABLED` by default.
- `VisibilityState` for `SheetControlsOption` - This visibility state can be either `COLLAPSED` or `EXPANDED`. This option is `COLLAPSED` by default.

Type: DashboardPublishOptions object

Required: No

Definition

The definition of a dashboard.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Either a `SourceEntity` or a `Definition` must be provided in order for the request to be valid.

Type: DashboardVersionDefinition object

Required: No

FolderArns

When you create the dashboard, Amazon QuickSight adds the dashboard to these folders.

Type: Array of strings

Array Members: Maximum number of 1 item.

Required: No

LinkEntities

A list of analysis Amazon Resource Names (ARNs) to be linked to the dashboard.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn:aws[\w\-]*:quicksight:[\w\-]+:\d+:analysis/[\w\-]{1,512}`

Required: No

LinkSharingConfiguration

A structure that contains the permissions of a shareable link to the dashboard.

Type: LinkSharingConfiguration object

Required: No

Parameters

The parameters for the creation of the dashboard, which you want to use to override the default settings. A dashboard can have any type of parameters, and some parameters might accept multiple values.

Type: Parameters object

Required: No

Permissions

A structure that contains the permissions of the dashboard. You can use this structure for granting permissions by providing a list of IAM action information for each principal ARN.

To specify no permissions, omit the permissions list.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

SourceEntity

The entity that you are using as a source when you create the dashboard. In `SourceEntity`, you specify the type of object you're using as source. You can only create a dashboard from a template, so you use a `SourceTemplate` entity. If you need to create a dashboard from an analysis, first convert the analysis to a template by using the `CreateTemplate` API operation. For `SourceTemplate`, specify the Amazon Resource Name (ARN) of the source template. The `SourceTemplate`ARN can contain any Amazon account and any Amazon QuickSight-supported Amazon Web Services Region.

Use the `DataSetReferences` entity within `SourceTemplate` to list the replacement datasets for the placeholders listed in the original. The schema in each dataset must match its placeholder.

Either a `SourceEntity` or a `Definition` must be provided in order for the request to be valid.

Type: DashboardSourceEntity object

Required: No

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the dashboard.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

ThemeArn

The Amazon Resource Name (ARN) of the theme that is being used for this dashboard. If you add a value for this field, it overrides the value that is used in the source entity. The theme ARN must exist in the same Amazon account where you create the dashboard.

Type: String

Required: No

ValidationStrategy

The option to relax the validation needed to create a dashboard with definition objects. This option skips the validation step for specific errors.

Type: ValidationStrategy object

Required: No

VersionDescription

A description for the first version of the dashboard being created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "CreationStatus": "string",
   "DashboardId": "string",
   "RequestId": "string",
   "VersionArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The ARN of the dashboard.

Type: String

CreationStatus

The status of the dashboard creation request.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

DashboardId

The ID for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

RequestId

The Amazon request ID for this operation.

Type: String

VersionArn

The ARN of the dashboard, including the version number of the first version that is created.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateDataSet

Creates a dataset. This operation doesn't support datasets that include uploaded files as a source.

Request Syntax

```
POST /accounts/AwsAccountId/data-sets HTTP/1.1
Content-type: application/json

{
   "ColumnGroups": [
      {
         "GeoSpatialColumnGroup": {
            "Columns": [ "string" ],
            "CountryCode": "string",
            "Name": "string"
         }
      }
   ],
   "ColumnLevelPermissionRules": [
      {
         "ColumnNames": [ "string" ],
         "Principals": [ "string" ]
      }
   ],
   "DataSetId": "string",
   "DatasetParameters": [
      {
         "DateTimeDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ number ]
            },
            "Id": "string",
            "Name": "string",
            "TimeGranularity": "string",
            "ValueType": "string"
         },
         "DecimalDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ number ]
            },
            "Id": "string",
            "Name": "string",
```

```
            "ValueType": "string"
         },
         "IntegerDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ number ]
            },
            "Id": "string",
            "Name": "string",
            "ValueType": "string"
         },
         "StringDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ "string" ]
            },
            "Id": "string",
            "Name": "string",
            "ValueType": "string"
         }
      }
   ],
   "DataSetUsageConfiguration": {
      "DisableUseAsDirectQuerySource": boolean,
      "DisableUseAsImportedSource": boolean
   },
   "FieldFolders": {
      "string" : {
         "columns": [ "string" ],
         "description": "string"
      }
   },
   "FolderArns": [ "string" ],
   "ImportMode": "string",
   "LogicalTableMap": {
      "string" : {
         "Alias": "string",
         "DataTransforms": [
            {
               "CastColumnTypeOperation": {
                  "ColumnName": "string",
                  "Format": "string",
                  "NewColumnType": "string",
                  "SubType": "string"
               },
               "CreateColumnsOperation": {
```

```
                "Columns": [
                   {
                      "ColumnId": "string",
                      "ColumnName": "string",
                      "Expression": "string"
                   }
                ]
             },
             "FilterOperation": {
                "ConditionExpression": "string"
             },
             "OverrideDatasetParameterOperation": {
                "NewDefaultValues": {
                   "DateTimeStaticValues": [ number ],
                   "DecimalStaticValues": [ number ],
                   "IntegerStaticValues": [ number ],
                   "StringStaticValues": [ "string" ]
                },
                "NewParameterName": "string",
                "ParameterName": "string"
             },
             "ProjectOperation": {
                "ProjectedColumns": [ "string" ]
             },
             "RenameColumnOperation": {
                "ColumnName": "string",
                "NewColumnName": "string"
             },
             "TagColumnOperation": {
                "ColumnName": "string",
                "Tags": [
                   {
                      "ColumnDescription": {
                         "Text": "string"
                      },
                      "ColumnGeographicRole": "string"
                   }
                ]
             },
             "UntagColumnOperation": {
                "ColumnName": "string",
                "TagNames": [ "string" ]
             }
          }
```

```
        ],
        "Source": {
           "DataSetArn": "string",
           "JoinInstruction": {
              "LeftJoinKeyProperties": {
                 "UniqueKey": boolean
              },
              "LeftOperand": "string",
              "OnClause": "string",
              "RightJoinKeyProperties": {
                 "UniqueKey": boolean
              },
              "RightOperand": "string",
              "Type": "string"
           },
           "PhysicalTableId": "string"
        }
     }
  },
  "Name": "string",
  "PerformanceConfiguration": {
     "UniqueKeys": [
        {
           "ColumnNames": [ "string" ]
        }
     ]
  },
  "Permissions": [
     {
        "Actions": [ "string" ],
        "Principal": "string"
     }
  ],
  "PhysicalTableMap": {
     "string" : {
        "CustomSql": {
           "Columns": [
              {
                 "Name": "string",
                 "SubType": "string",
                 "Type": "string"
              }
           ],
           "DataSourceArn": "string",
```

```
            "Name": "string",
            "SqlQuery": "string"
         },
         "RelationalTable": {
            "Catalog": "string",
            "DataSourceArn": "string",
            "InputColumns": [
               {
                  "Name": "string",
                  "SubType": "string",
                  "Type": "string"
               }
            ],
            "Name": "string",
            "Schema": "string"
         },
         "S3Source": {
            "DataSourceArn": "string",
            "InputColumns": [
               {
                  "Name": "string",
                  "SubType": "string",
                  "Type": "string"
               }
            ],
            "UploadSettings": {
               "ContainsHeader": boolean,
               "Delimiter": "string",
               "Format": "string",
               "StartFromRow": number,
               "TextQualifier": "string"
            }
         }
      }
   },
   "RowLevelPermissionDataSet": {
      "Arn": "string",
      "FormatVersion": "string",
      "Namespace": "string",
      "PermissionPolicy": "string",
      "Status": "string"
   },
   "RowLevelPermissionTagConfiguration": {
      "Status": "string",
```

```
      "TagRuleConfigurations": [
         [ "string" ]
      ],
      "TagRules": [
         {
            "ColumnName": "string",
            "MatchAllValue": "string",
            "TagKey": "string",
            "TagMultiValueDelimiter": "string"
         }
      ]
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "UseAs": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataSetId

An ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Required: Yes

ImportMode

Indicates whether you want to import the data into SPICE.

Type: String

Valid Values: `SPICE | DIRECT_QUERY`

Required: Yes

Name

The display name for the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

PhysicalTableMap

Declares the physical tables that are available in the underlying data sources.

Type: String to PhysicalTable object map

Map Entries: Minimum number of 0 items. Maximum number of 32 items.

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[0-9a-zA-Z-]*`

Required: Yes

ColumnGroups

Groupings of columns that work together in certain Amazon QuickSight features. Currently, only geospatial hierarchy is supported.

Type: Array of ColumnGroup objects

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Required: No

ColumnLevelPermissionRules

A set of one or more definitions of a `ColumnLevelPermissionRule` .

Type: Array of ColumnLevelPermissionRule objects

Array Members: Minimum number of 1 item.

Required: No

DatasetParameters

The parameter declarations of the dataset.

Type: Array of DatasetParameter objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

DataSetUsageConfiguration

The usage configuration to apply to child datasets that reference this dataset as a source.

Type: DataSetUsageConfiguration object

Required: No

FieldFolders

The folder that contains fields and nested subfolders for your dataset.

Type: String to FieldFolder object map

Key Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

FolderArns

When you create the dataset, Amazon QuickSight adds the dataset to these folders.

Type: Array of strings

Array Members: Maximum number of 1 item.

Required: No

LogicalTableMap

Configures the combination and transformation of the data from the physical tables.

Type: String to LogicalTable object map

Map Entries: Maximum number of 64 items.

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[0-9a-zA-Z-]*`

Required: No

PerformanceConfiguration

The configuration for the performance optimization of the dataset that contains a `UniqueKey` configuration.

Type: PerformanceConfiguration object

Required: No

Permissions

A list of resource permissions on the dataset.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

RowLevelPermissionDataSet

The row-level security configuration for the data that you want to create.

Type: RowLevelPermissionDataSet object

Required: No

RowLevelPermissionTagConfiguration

The configuration of tags on a dataset to set row-level security. Row-level security tags are currently supported for anonymous embedding only.

Type: RowLevelPermissionTagConfiguration object

Required: No

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the dataset.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

UseAs

The usage of the dataset. RLS_RULES must be specified for RLS permission datasets.

Type: String

Valid Values: RLS_RULES

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "DataSetId": "string",
   "IngestionArn": "string",
   "IngestionId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the dataset.

Type: String

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

IngestionArn

The ARN for the ingestion, which is triggered as a result of dataset creation if the import mode is SPICE.

Type: String

IngestionId

The ID of the ingestion, which is triggered as a result of dataset creation if the import mode is SPICE.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of CreateDataSet.

Sample Request

```
POST /accounts/{AwsAccountId}/data-sets HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateDataSource

Creates a data source.

Request Syntax

```
POST /accounts/AwsAccountId/data-sources HTTP/1.1
Content-type: application/json

{
   "Credentials": {
      "CopySourceArn": "string",
      "CredentialPair": {
         "AlternateDataSourceParameters": [
            {
               "AmazonElasticsearchParameters": {
                  "Domain": "string"
               },
               "AmazonOpenSearchParameters": {
                  "Domain": "string"
               },
               "AthenaParameters": {
                  "IdentityCenterConfiguration": {
                     "EnableIdentityPropagation": boolean
                  },
                  "RoleArn": "string",
                  "WorkGroup": "string"
               },
               "AuroraParameters": {
                  "Database": "string",
                  "Host": "string",
                  "Port": number
               },
               "AuroraPostgreSqlParameters": {
                  "Database": "string",
                  "Host": "string",
                  "Port": number
               },
               "AwsIotAnalyticsParameters": {
                  "DataSetName": "string"
               },
               "BigQueryParameters": {
                  "DataSetRegion": "string",
```

```
            "ProjectId": "string"
         },
         "DatabricksParameters": {
            "Host": "string",
            "Port": number,
            "SqlEndpointPath": "string"
         },
         "ExasolParameters": {
            "Host": "string",
            "Port": number
         },
         "JiraParameters": {
            "SiteBaseUrl": "string"
         },
         "MariaDbParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "MySqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "OracleParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number,
            "UseServiceName": boolean
         },
         "PostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "PrestoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "RdsParameters": {
            "Database": "string",
            "InstanceId": "string"
         },
```

```
            "RedshiftParameters": {
               "ClusterId": "string",
               "Database": "string",
               "Host": "string",
               "IAMParameters": {
                  "AutoCreateDatabaseUser": boolean,
                  "DatabaseGroups": [ "string" ],
                  "DatabaseUser": "string",
                  "RoleArn": "string"
               },
               "IdentityCenterConfiguration": {
                  "EnableIdentityPropagation": boolean
               },
               "Port": number
            },
            "S3Parameters": {
               "ManifestFileLocation": {
                  "Bucket": "string",
                  "Key": "string"
               },
               "RoleArn": "string"
            },
            "ServiceNowParameters": {
               "SiteBaseUrl": "string"
            },
            "SnowflakeParameters": {
               "AuthenticationType": "string",
               "Database": "string",
               "DatabaseAccessControlRole": "string",
               "Host": "string",
               "OAuthParameters": {
                  "IdentityProviderResourceUri": "string",
                  "IdentityProviderVpcConnectionProperties": {
                     "VpcConnectionArn": "string"
                  },
                  "OAuthScope": "string",
                  "TokenProviderUrl": "string"
               },
               "Warehouse": "string"
            },
            "SparkParameters": {
               "Host": "string",
               "Port": number
            },
```

```
            "SqlServerParameters": {
               "Database": "string",
               "Host": "string",
               "Port": number
            },
            "StarburstParameters": {
               "AuthenticationType": "string",
               "Catalog": "string",
               "DatabaseAccessControlRole": "string",
               "Host": "string",
               "OAuthParameters": {
                  "IdentityProviderResourceUri": "string",
                  "IdentityProviderVpcConnectionProperties": {
                     "VpcConnectionArn": "string"
                  },
                  "OAuthScope": "string",
                  "TokenProviderUrl": "string"
               },
               "Port": number,
               "ProductType": "string"
            },
            "TeradataParameters": {
               "Database": "string",
               "Host": "string",
               "Port": number
            },
            "TrinoParameters": {
               "Catalog": "string",
               "Host": "string",
               "Port": number
            },
            "TwitterParameters": {
               "MaxRows": number,
               "Query": "string"
            }
         }
      ],
      "Password": "string",
      "Username": "string"
   },
   "SecretArn": "string"
},
"DataSourceId": "string",
"DataSourceParameters": {
```

```
    "AmazonElasticsearchParameters": {
       "Domain": "string"
    },
    "AmazonOpenSearchParameters": {
       "Domain": "string"
    },
    "AthenaParameters": {
       "IdentityCenterConfiguration": {
          "EnableIdentityPropagation": boolean
       },
       "RoleArn": "string",
       "WorkGroup": "string"
    },
    "AuroraParameters": {
       "Database": "string",
       "Host": "string",
       "Port": number
    },
    "AuroraPostgreSqlParameters": {
       "Database": "string",
       "Host": "string",
       "Port": number
    },
    "AwsIotAnalyticsParameters": {
       "DataSetName": "string"
    },
    "BigQueryParameters": {
       "DataSetRegion": "string",
       "ProjectId": "string"
    },
    "DatabricksParameters": {
       "Host": "string",
       "Port": number,
       "SqlEndpointPath": "string"
    },
    "ExasolParameters": {
       "Host": "string",
       "Port": number
    },
    "JiraParameters": {
       "SiteBaseUrl": "string"
    },
    "MariaDbParameters": {
       "Database": "string",
```

```
        "Host": "string",
        "Port": number
    },
    "MySqlParameters": {
        "Database": "string",
        "Host": "string",
        "Port": number
    },
    "OracleParameters": {
        "Database": "string",
        "Host": "string",
        "Port": number,
        "UseServiceName": boolean
    },
    "PostgreSqlParameters": {
        "Database": "string",
        "Host": "string",
        "Port": number
    },
    "PrestoParameters": {
        "Catalog": "string",
        "Host": "string",
        "Port": number
    },
    "RdsParameters": {
        "Database": "string",
        "InstanceId": "string"
    },
    "RedshiftParameters": {
        "ClusterId": "string",
        "Database": "string",
        "Host": "string",
        "IAMParameters": {
            "AutoCreateDatabaseUser": boolean,
            "DatabaseGroups": [ "string" ],
            "DatabaseUser": "string",
            "RoleArn": "string"
        },
        "IdentityCenterConfiguration": {
            "EnableIdentityPropagation": boolean
        },
        "Port": number
    },
    "S3Parameters": {
```

```
            "ManifestFileLocation": {
               "Bucket": "string",
               "Key": "string"
            },
            "RoleArn": "string"
         },
         "ServiceNowParameters": {
            "SiteBaseUrl": "string"
         },
         "SnowflakeParameters": {
            "AuthenticationType": "string",
            "Database": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
               "TokenProviderUrl": "string"
            },
            "Warehouse": "string"
         },
         "SparkParameters": {
            "Host": "string",
            "Port": number
         },
         "SqlServerParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "StarburstParameters": {
            "AuthenticationType": "string",
            "Catalog": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
```

```
            "TokenProviderUrl": "string"
         },
         "Port": number,
         "ProductType": "string"
      },
      "TeradataParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "TrinoParameters": {
         "Catalog": "string",
         "Host": "string",
         "Port": number
      },
      "TwitterParameters": {
         "MaxRows": number,
         "Query": "string"
      }
   },
   "FolderArns": [ "string" ],
   "Name": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "SslProperties": {
      "DisableSsl": boolean
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Type": "string",
   "VpcConnectionProperties": {
      "VpcConnectionArn": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataSourceId

An ID for the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Required: Yes

Name

A display name for the data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Type

The type of the data source. To return a list of all data sources, use `ListDataSources`.

Use `AMAZON_ELASTICSEARCH` for Amazon OpenSearch Service.

Type: String

Valid Values: ADOBE_ANALYTICS | AMAZON_ELASTICSEARCH | ATHENA | AURORA | AURORA_POSTGRESQL | AWS_IOT_ANALYTICS | GITHUB | JIRA | MARIADB | MYSQL | ORACLE | POSTGRESQL | PRESTO | REDSHIFT | S3 | SALESFORCE | SERVICENOW | SNOWFLAKE | SPARK | SQLSERVER | TERADATA | TWITTER | TIMESTREAM | AMAZON_OPENSEARCH | EXASOL | DATABRICKS | STARBURST | TRINO | BIGQUERY

Required: Yes

Credentials

The credentials Amazon QuickSight that uses to connect to your underlying source. Currently, only credentials based on user name and password are supported.

Type: DataSourceCredentials object

Required: No

DataSourceParameters

The parameters that Amazon QuickSight uses to connect to your underlying source.

Type: DataSourceParameters object

Required: No

FolderArns

When you create the data source, Amazon QuickSight adds the data source to these folders.

Type: Array of strings

Array Members: Maximum number of 1 item.

Required: No

Permissions

A list of resource permissions on the data source.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

SslProperties

Secure Socket Layer (SSL) properties that apply when Amazon QuickSight connects to your underlying source.

Type: SslProperties object

Required: No

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the data source.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

VpcConnectionProperties

Use this parameter only when you want Amazon QuickSight to use a VPC connection when connecting to your underlying source.

Type: VpcConnectionProperties object

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "CreationStatus": "string",
   "DataSourceId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the data source.

Type: String

CreationStatus

The status of creating the data source.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

CustomerManagedKeyUnavailableException

The customer managed key that is registered to your Amazon QuickSight account is unavailable.

HTTP Status Code: 400

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CreateDataSource.

Sample Request

```
POST /accounts/{AwsAccountId}/data-sources HTTP/1.1 Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateFolder

Creates an empty shared folder.

Request Syntax

```
POST /accounts/AwsAccountId/folders/FolderId HTTP/1.1
Content-type: application/json

{
   "FolderType": "string",
   "Name": "string",
   "ParentFolderArn": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "SharingModel": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account where you want to create the folder.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

FolderType

The type of folder. By default, `folderType` is `SHARED`.

Type: String

Valid Values: `SHARED | RESTRICTED`

Required: No

Name

The name of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

ParentFolderArn

The Amazon Resource Name (ARN) for the parent folder.

`ParentFolderArn` can be null. An empty `parentFolderArn` creates a root-level folder.

Type: String

Required: No

Permissions

A structure that describes the principals and the resource-level permissions of a folder.

To specify no permissions, omit `Permissions`.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

SharingModel

An optional parameter that determines the sharing scope of the folder. The default value for this parameter is `ACCOUNT`.

Type: String

Valid Values: `ACCOUNT | NAMESPACE`

Required: No

Tags

Tags for the folder.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "FolderId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the newly created folder.

Type: String

FolderId

The folder ID for the newly created folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

RequestId

The request ID for the newly created folder.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateFolderMembership

Adds an asset, such as a dashboard, analysis, or dataset into a folder.

Request Syntax

```
PUT /accounts/AwsAccountId/folders/FolderId/members/MemberType/MemberId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

MemberId

The ID of the asset that you want to add to the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

MemberType

The member type of the asset that you want to add to a folder.

Valid Values: DASHBOARD | ANALYSIS | DATASET | DATASOURCE | TOPIC

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "FolderMember": {
      "MemberId": "string",
      "MemberType": "string"
   },
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FolderMember

Information about the member in the folder.

Type: FolderMember object

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateGroup

Use the `CreateGroup` operation to create a group in Amazon QuickSight. You can create up to 10,000 groups in a namespace. If you want to create more than 10,000 groups in a namespace, contact Amazon Support.

The permissions resource is `arn:aws:quicksight:<your-region>:<relevant-aws-account-id>:group/default/<group-name>` .

The response is a group object.

Request Syntax

```
POST /accounts/AwsAccountId/namespaces/Namespace/groups HTTP/1.1
Content-type: application/json

{
   "Description": "string",
   "GroupName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that you want the group to be a part of.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

GroupName

A name for the group that you want to create.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Description

A description for the group that you want to create.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Group": {
      "Arn": "string",
      "Description": "string",
      "GroupName": "string",
      "PrincipalId": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Group

The name of the group.

Type: Group object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateGroupMembership

Adds an Amazon QuickSight user to an Amazon QuickSight group.

Request Syntax

```
PUT /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName/members/MemberName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon Web Services account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to add the user to.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

MemberName

The name of the user that you want to add to the group membership.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace that you want the user to be a part of.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "GroupMember": {
      "Arn": "string",
      "MemberName": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

GroupMember

The group member.

Type: GroupMember object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateIAMPolicyAssignment

Creates an assignment with one specified IAM policy, identified by its Amazon Resource Name (ARN). This policy assignment is attached to the specified groups or users of Amazon QuickSight. Assignment names are unique per Amazon account. To avoid overwriting rules in other namespaces, use assignment names that are unique.

Request Syntax

```
POST /accounts/AwsAccountId/namespaces/Namespace/iam-policy-assignments/ HTTP/1.1
Content-type: application/json

{
   "AssignmentName": "string",
   "AssignmentStatus": "string",
   "Identities": {
      "string" : [ "string" ]
   },
   "PolicyArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account where you want to assign an IAM policy to Amazon QuickSight users or groups.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that contains the assignment.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AssignmentName

The name of the assignment, also called a rule. The name must be unique within the Amazon account.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: Yes

AssignmentStatus

The status of the assignment. Possible values are as follows:

- `ENABLED` - Anything specified in this assignment is used when creating the data source.
- `DISABLED` - This assignment isn't used when creating the data source.
- `DRAFT` - This assignment is an unfinished draft and isn't used when creating the data source.

Type: String

Valid Values: `ENABLED | DRAFT | DISABLED`

Required: Yes

Identities

The Amazon QuickSight users, groups, or both that you want to assign the policy to.

Type: String to array of strings map

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: No

PolicyArn

The ARN for the IAM policy to apply to the Amazon QuickSight users and groups specified in this assignment.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AssignmentId": "string",
   "AssignmentName": "string",
   "AssignmentStatus": "string",
   "Identities": {
      "string" : [ "string" ]
   },
   "PolicyArn": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AssignmentId

The ID for the assignment.

Type: String

AssignmentName

The name of the assignment. The name must be unique within the Amazon account.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

AssignmentStatus

The status of the assignment. Possible values are as follows:

- `ENABLED` - Anything specified in this assignment is used when creating the data source.
- `DISABLED` - This assignment isn't used when creating the data source.
- `DRAFT` - This assignment is an unfinished draft and isn't used when creating the data source.

Type: String

Valid Values: `ENABLED | DRAFT | DISABLED`

Identities

The Amazon QuickSight users, groups, or both that the IAM policy is assigned to.

Type: String to array of strings map

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

PolicyArn

The ARN for the IAM policy that is applied to the Amazon QuickSight users and groups specified in this assignment.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConcurrentUpdatingException

A resource is already in a state that indicates an operation is happening that must complete before a new update can be applied.

HTTP Status Code: 500

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateIngestion

Creates and starts a new SPICE ingestion for a dataset. You can manually refresh datasets in an Enterprise edition account 32 times in a 24-hour period. You can manually refresh datasets in a Standard edition account 8 times in a 24-hour period. Each 24-hour period is measured starting 24 hours before the current date and time.

Any ingestions operating on tagged datasets inherit the same tags automatically for use in access control. For an example, see How do I create an IAM policy to control access to Amazon EC2 resources using tags? in the Amazon Knowledge Center. Tags are visible on the tagged dataset, but not on the ingestion resource.

Request Syntax

```
PUT /accounts/AwsAccountId/data-sets/DataSetId/ingestions/IngestionId HTTP/1.1
Content-type: application/json

{
   "IngestionType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID of the dataset used in the ingestion.

Required: Yes

IngestionId

An ID for the ingestion.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

IngestionType

The type of ingestion that you want to create.

Type: String

Valid Values: `INCREMENTAL_REFRESH | FULL_REFRESH`

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "IngestionId": "string",
   "IngestionStatus": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the data ingestion.

Type: String

IngestionId

An ID for the ingestion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-_]+$`

IngestionStatus

The ingestion status.

Type: String

Valid Values: `INITIALIZED | QUEUED | RUNNING | FAILED | COMPLETED | CANCELLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CreateIngestion.

Sample Request

```
PUT /accounts/*AwsAccountId*/data-sets/*DataSetID*/ingestions/*IngestionID* HTTP/1.1
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateNamespace

(Enterprise edition only) Creates a new namespace for you to use with Amazon QuickSight.

A namespace allows you to isolate the Amazon QuickSight users and groups that are registered for that namespace. Users that access the namespace can share assets only with other users or groups in the same namespace. They can't see users and groups in other namespaces. You can create a namespace after your Amazon account is subscribed to Amazon QuickSight. The namespace must be unique within the Amazon account. By default, there is a limit of 100 namespaces per Amazon account. To increase your limit, create a ticket with Amazon Web Services Support.

Request Syntax

```
POST /accounts/AwsAccountId HTTP/1.1
Content-type: application/json

{
   "IdentityStore": "string",
   "Namespace": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to create the Amazon QuickSight namespace in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

IdentityStore

Specifies the type of your user identity directory. Currently, this supports users with an identity type of `QUICKSIGHT`.

Type: String

Valid Values: `QUICKSIGHT`

Required: Yes

Namespace

The name that you want to use to describe the new namespace.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Tags

The tags that you want to associate with the namespace that you're creating.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
```

```
   "Arn": "string",
   "CapacityRegion": "string",
   "CreationStatus": "string",
   "IdentityStore": "string",
   "Name": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The ARN of the Amazon QuickSight namespace you created.

Type: String

CapacityRegion

The Amazon Web Services Region; that you want to use for the free SPICE capacity for the new namespace. This is set to the region that you run CreateNamespace in.

Type: String

CreationStatus

The status of the creation of the namespace. This is an asynchronous process. A status of `CREATED` means that your namespace is ready to use. If an error occurs, it indicates if the process is `retryable` or `non-retryable`. In the case of a non-retryable error, refer to the error message for follow-up tasks.

Type: String

Valid Values: `CREATED | CREATING | DELETING | RETRYABLE_FAILURE | NON_RETRYABLE_FAILURE`

IdentityStore

Specifies the type of your user identity directory. Currently, this supports users with an identity type of `QUICKSIGHT`.

Type: String

Valid Values: `QUICKSIGHT`

Name

The name of the new namespace that you created.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateRefreshSchedule

Creates a refresh schedule for a dataset. You can create up to 5 different schedules for a single dataset.

Request Syntax

```
POST /accounts/AwsAccountId/data-sets/DataSetId/refresh-schedules HTTP/1.1
Content-type: application/json

{
   "Schedule": {
      "Arn": "string",
      "RefreshType": "string",
      "ScheduleFrequency": {
         "Interval": "string",
         "RefreshOnDay": {
            "DayOfMonth": "string",
            "DayOfWeek": "string"
         },
         "TimeOfTheDay": "string",
         "Timezone": "string"
      },
      "ScheduleId": "string",
      "StartAfterDateTime": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Schedule

The refresh schedule.

Type: RefreshSchedule object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "ScheduleId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the refresh schedule.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ScheduleId

The ID of the refresh schedule.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateRoleMembership

Use `CreateRoleMembership` to add an existing Amazon QuickSight group to an existing role.

Request Syntax

```
POST /accounts/AwsAccountId/namespaces/Namespace/roles/Role/members/MemberName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to create a group in. The Amazon account ID that you provide must be the same Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MemberName

The name of the group that you want to add to the role.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace that the role belongs to.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Role

The role that you want to add a group to.

Valid Values: ADMIN | AUTHOR | READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateTemplate

Creates a template either from a `TemplateDefinition` or from an existing Amazon QuickSight analysis or template. You can use the resulting template to create additional dashboards, templates, or analyses.

A *template* is an entity in Amazon QuickSight that encapsulates the metadata required to create an analysis and that you can use to create s dashboard. A template adds a layer of abstraction by using placeholders to replace the dataset associated with the analysis. You can use templates to create dashboards by replacing dataset placeholders with datasets that follow the same schema that was used to create the source analysis and template.

Request Syntax

```
POST /accounts/AwsAccountId/templates/TemplateId HTTP/1.1
Content-type: application/json

{
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetConfigurations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
```

```
            { ... }
         ],
         "QueryExecutionOptions": {
            "QueryExecutionMode": "string"
         },
         "Sheets": [
            { ... }
         ],
         "StaticFiles": [
            { ... }
         ]
      },
      "Name": "string",
      "Permissions": [
         {
            "Actions": [ "string" ],
            "Principal": "string"
         }
      ],
      "SourceEntity": {
         "SourceAnalysis": {
            "Arn": "string",
            "DataSetReferences": [
               {
                  "DataSetArn": "string",
                  "DataSetPlaceholder": "string"
               }
            ]
         },
         "SourceTemplate": {
            "Arn": "string"
         }
      },
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "ValidationStrategy": {
         "Mode": "string"
      },
      "VersionDescription": "string"
```

```
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. You use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

An ID for the template that you want to create. This template is unique per Amazon Web Services Region; in each Amazon account.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Definition

The definition of a template.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Either a `SourceEntity` or a `Definition` must be provided in order for the request to be valid.

Type: TemplateVersionDefinition object

Required: No

Name

A display name for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Permissions

A list of resource permissions to be set on the template.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

SourceEntity

The entity that you are using as a source when you create the template. In `SourceEntity`, you specify the type of object you're using as source: `SourceTemplate` for a template or `SourceAnalysis` for an analysis. Both of these require an Amazon Resource Name (ARN). For `SourceTemplate`, specify the ARN of the source template. For `SourceAnalysis`, specify the ARN of the source analysis. The `SourceTemplate` ARN can contain any Amazon account and any Amazon QuickSight-supported Amazon Web Services Region.

Use the `DataSetReferences` entity within `SourceTemplate` or `SourceAnalysis` to list the replacement datasets for the placeholders listed in the original. The schema in each dataset must match its placeholder.

Either a `SourceEntity` or a `Definition` must be provided in order for the request to be valid.

Type: TemplateSourceEntity object

Required: No

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

ValidationStrategy

TThe option to relax the validation needed to create a template with definition objects. This skips the validation step for specific errors.

Type: ValidationStrategy object

Required: No

VersionDescription

A description of the current template version being created. This API operation creates the first version of the template. Every time `UpdateTemplate` is called, a new version is created. Each version of the template maintains a description of the version in the `VersionDescription` field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "CreationStatus": "string",
   "RequestId": "string",
   "TemplateId": "string",
   "VersionArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The ARN for the template.

Type: String

CreationStatus

The template creation status.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

TemplateId

The ID of the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

VersionArn

The ARN for the template, including the version information of the first version.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateTemplateAlias

Creates a template alias for a template.

Request Syntax

```
POST /accounts/AwsAccountId/templates/TemplateId/aliases/AliasName HTTP/1.1
Content-type: application/json

{
   "TemplateVersionNumber": number
}
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The name that you want to give to the template alias that you're creating. Don't start the alias name with the $ character. Alias names that start with $ are reserved by Amazon QuickSight.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the template that you creating an alias for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

An ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

TemplateVersionNumber

The version number of the template.

Type: Long

Valid Range: Minimum value of 1.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "TemplateAlias": {
      "AliasName": "string",
      "Arn": "string",
      "TemplateVersionNumber": number
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

TemplateAlias

Information about the template alias.

Type: TemplateAlias object

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateTheme

Creates a theme.

A *theme* is set of configuration options for color and layout. Themes apply to analyses and dashboards. For more information, see Using Themes in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Request Syntax

```
POST /accounts/AwsAccountId/themes/ThemeId HTTP/1.1
Content-type: application/json

{
   "BaseThemeId": "string",
   "Configuration": {
      "DataColorPalette": {
         "Colors": [ "string" ],
         "EmptyFillColor": "string",
         "MinMaxGradient": [ "string" ]
      },
      "Sheet": {
         "Tile": {
            "Border": {
               "Show": boolean
            }
         },
         "TileLayout": {
            "Gutter": {
               "Show": boolean
            },
            "Margin": {
               "Show": boolean
            }
         }
      },
      "Typography": {
         "FontFamilies": [
            {
               "FontFamily": "string"
            }
         ]
      },
```

```
      "UIColorPalette": {
         "Accent": "string",
         "AccentForeground": "string",
         "Danger": "string",
         "DangerForeground": "string",
         "Dimension": "string",
         "DimensionForeground": "string",
         "Measure": "string",
         "MeasureForeground": "string",
         "PrimaryBackground": "string",
         "PrimaryForeground": "string",
         "SecondaryBackground": "string",
         "SecondaryForeground": "string",
         "Success": "string",
         "SuccessForeground": "string",
         "Warning": "string",
         "WarningForeground": "string"
      }
   },
   "Name": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VersionDescription": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account where you want to store the new theme.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

ThemeId

An ID for the theme that you want to create. The theme ID is unique per Amazon Web Services Region in each Amazon account.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

BaseThemeId

The ID of the theme that a custom theme will inherit from. All themes inherit from one of the starting themes defined by Amazon QuickSight. For a list of the starting themes, use `ListThemes` or choose **Themes** from within an analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Configuration

The theme configuration, which contains the theme display properties.

Type: ThemeConfiguration object

Required: Yes

Name

A display name for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

Permissions

A valid grouping of resource permissions to apply to the new theme.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

Tags

A map of the key-value pairs for the resource tag or tags that you want to add to the resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

VersionDescription

A description of the first version of the theme that you're creating. Every time `UpdateTheme` is called, a new version is created. Each version of the theme has a description of the version in the `VersionDescription` field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "Arn": "string",
   "CreationStatus": "string",
   "RequestId": "string",
   "ThemeId": "string",
   "VersionArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the theme.

Type: String

CreationStatus

The theme creation status.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

ThemeId

The ID of the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

VersionArn

The Amazon Resource Name (ARN) for the new theme.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateThemeAlias

Creates a theme alias for a theme.

Request Syntax

```
POST /accounts/AwsAccountId/themes/ThemeId/aliases/AliasName HTTP/1.1
Content-type: application/json

{
   "ThemeVersionNumber": number
}
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The name that you want to give to the theme alias that you are creating. The alias name can't begin with a $. Alias names that start with $ are reserved by Amazon QuickSight.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the theme for the new theme alias.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

An ID for the theme alias.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ThemeVersionNumber

The version number of the theme.

Type: Long

Valid Range: Minimum value of 1.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "ThemeAlias": {
      "AliasName": "string",
      "Arn": "string",
      "ThemeVersionNumber": number
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

ThemeAlias

Information about the theme alias.

Type: ThemeAlias object

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateTopic

Creates a new Q topic.

Request Syntax

```
POST /accounts/AwsAccountId/topics HTTP/1.1
Content-type: application/json

{
   "FolderArns": [ "string" ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Topic": {
      "ConfigOptions": {
         "QBusinessInsightsEnabled": boolean
      },
      "DataSets": [
         {
            "CalculatedFields": [
               {
                  "Aggregation": "string",
                  "AllowedAggregations": [ "string" ],
                  "CalculatedFieldDescription": "string",
                  "CalculatedFieldName": "string",
                  "CalculatedFieldSynonyms": [ "string" ],
                  "CellValueSynonyms": [
                     {
                        "CellValue": "string",
                        "Synonyms": [ "string" ]
                     }
                  ],
                  "ColumnDataRole": "string",
                  "ComparativeOrder": {
                     "SpecifedOrder": [ "string" ],
                     "TreatUndefinedSpecifiedValues": "string",
                     "UseOrdering": "string"
                  },
                  "DefaultFormatting": {
```

```
                  "DisplayFormat": "string",
                  "DisplayFormatOptions": {
                     "BlankCellFormat": "string",
                     "CurrencySymbol": "string",
                     "DateFormat": "string",
                     "DecimalSeparator": "string",
                     "FractionDigits": number,
                     "GroupingSeparator": "string",
                     "NegativeFormat": {
                        "Prefix": "string",
                        "Suffix": "string"
                     },
                     "Prefix": "string",
                     "Suffix": "string",
                     "UnitScaler": "string",
                     "UseBlankCellFormat": boolean,
                     "UseGrouping": boolean
                  }
               },
               "DisableIndexing": boolean,
               "Expression": "string",
               "IsIncludedInTopic": boolean,
               "NeverAggregateInFilter": boolean,
               "NonAdditive": boolean,
               "NotAllowedAggregations": [ "string" ],
               "SemanticType": {
                  "FalseyCellValue": "string",
                  "FalseyCellValueSynonyms": [ "string" ],
                  "SubTypeName": "string",
                  "TruthyCellValue": "string",
                  "TruthyCellValueSynonyms": [ "string" ],
                  "TypeName": "string",
                  "TypeParameters": {
                     "string" : "string"
                  }
               },
               "TimeGranularity": "string"
            }
         ],
         "Columns": [
            {
               "Aggregation": "string",
               "AllowedAggregations": [ "string" ],
               "CellValueSynonyms": [
```

```
            {
               "CellValue": "string",
               "Synonyms": [ "string" ]
            }
         ],
         "ColumnDataRole": "string",
         "ColumnDescription": "string",
         "ColumnFriendlyName": "string",
         "ColumnName": "string",
         "ColumnSynonyms": [ "string" ],
         "ComparativeOrder": {
            "SpecifedOrder": [ "string" ],
            "TreatUndefinedSpecifiedValues": "string",
            "UseOrdering": "string"
         },
         "DefaultFormatting": {
            "DisplayFormat": "string",
            "DisplayFormatOptions": {
               "BlankCellFormat": "string",
               "CurrencySymbol": "string",
               "DateFormat": "string",
               "DecimalSeparator": "string",
               "FractionDigits": number,
               "GroupingSeparator": "string",
               "NegativeFormat": {
                  "Prefix": "string",
                  "Suffix": "string"
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               "Prefix": "string",
               "Suffix": "string",
               "UnitScaler": "string",
               "UseBlankCellFormat": boolean,
               "UseGrouping": boolean
            }
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         "DisableIndexing": boolean,
         "IsIncludedInTopic": boolean,
         "NeverAggregateInFilter": boolean,
         "NonAdditive": boolean,
         "NotAllowedAggregations": [ "string" ],
         "SemanticType": {
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            "FalseyCellValueSynonyms": [ "string" ],
            "SubTypeName": "string",
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                "TruthyCellValueSynonyms": [ "string" ],
                "TypeName": "string",
                "TypeParameters": {
                   "string" : "string"
                }
             },
             "TimeGranularity": "string"
          }
       ],
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          "DefaultDateColumnName": "string"
       },
       "DatasetArn": "string",
       "DatasetDescription": "string",
       "DatasetName": "string",
       "Filters": [
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                "CategoryFilterFunction": "string",
                "CategoryFilterType": "string",
                "Constant": {
                   "CollectiveConstant": {
                      "ValueList": [ "string" ]
                   },
                   "ConstantType": "string",
                   "SingularConstant": "string"
                },
                "Inverse": boolean
             },
             "DateRangeFilter": {
                "Constant": {
                   "ConstantType": "string",
                   "RangeConstant": {
                      "Maximum": "string",
                      "Minimum": "string"
                   }
                },
                "Inclusive": boolean
             },
             "FilterClass": "string",
             "FilterDescription": "string",
             "FilterName": "string",
```

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                "FilterSynonyms": [ "string" ],
                "FilterType": "string",
                "NumericEqualityFilter": {
                   "Aggregation": "string",
                   "Constant": {
                      "ConstantType": "string",
                      "SingularConstant": "string"
                   }
                },
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                   "Aggregation": "string",
                   "Constant": {
                      "ConstantType": "string",
                      "RangeConstant": {
                         "Maximum": "string",
                         "Minimum": "string"
                      }
                   },
                   "Inclusive": boolean
                },
                "OperandFieldName": "string",
                "RelativeDateFilter": {
                   "Constant": {
                      "ConstantType": "string",
                      "SingularConstant": "string"
                   },
                   "RelativeDateFilterFunction": "string",
                   "TimeGranularity": "string"
                }
             }
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                      "FieldName": "string",
                      "Metric": {
                         "Aggregation": "string",
                         "AggregationFunctionParameters": {
                            "string" : "string"
                         }
                      },
                      "PropertyName": "string",
                      "PropertyRole": "string",
```

```
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                  ],
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                  "EntityName": "string",
                  "EntitySynonyms": [ "string" ],
                  "SemanticEntityType": {
                     "SubTypeName": "string",
                     "TypeName": "string",
                     "TypeParameters": {
                        "string" : "string"
                     }
                  }
               }
            ]
         }
      ],
      "Description": "string",
      "Name": "string",
      "UserExperienceVersion": "string"
   },
   "TopicId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that you want to create a topic in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Topic

The definition of a topic to create.

Type: TopicDetails object

Required: Yes

TopicId

The ID for the topic that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

FolderArns

The Folder ARN of the folder that you want the topic to reside in.

Type: Array of strings

Array Members: Maximum number of 1 item.

Required: No

Tags

Contains a map of the key-value pairs for the resource tag or tags that are assigned to the dataset.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Arn": "string",
   "RefreshArn": "string",
   "RequestId": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the topic.

Type: String

RefreshArn

The Amazon Resource Name (ARN) of the topic refresh.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicId

The ID for the topic that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CreateTopic.

Sample Request

```
POST /accounts/{AwsAccountId}/topics HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateTopicRefreshSchedule

Creates a topic refresh schedule.

Request Syntax

```
POST /accounts/AwsAccountId/topics/TopicId/schedules HTTP/1.1
Content-type: application/json

{
   "DatasetArn": "string",
   "DatasetName": "string",
   "RefreshSchedule": {
      "BasedOnSpiceSchedule": boolean,
      "IsEnabled": boolean,
      "RepeatAt": "string",
      "StartingAt": number,
      "Timezone": "string",
      "TopicScheduleType": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic you're creating a refresh schedule for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: ^[A-Za-z0-9-_.\\+]*$

Required: Yes

Request Body

The request accepts the following data in JSON format.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Required: Yes

RefreshSchedule

The definition of a refresh schedule.

Type: TopicRefreshSchedule object

Required: Yes

DatasetName

The name of the dataset.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DatasetArn": "string",
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
```

```
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of CreateTopicRefreshSchedule.

Sample Request

```
POST /accounts/{AwsAccountId}/topics/{TopicId}/schedules HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

CreateVPCConnection

Creates a new VPC connection.

Request Syntax

```
POST /accounts/AwsAccountId/vpc-connections HTTP/1.1
Content-type: application/json

{
   "DnsResolvers": [ "string" ],
   "Name": "string",
   "RoleArn": "string",
   "SecurityGroupIds": [ "string" ],
   "SubnetIds": [ "string" ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VPCConnectionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID of the account where you want to create a new VPC connection.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The display name for the VPC connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

RoleArn

The IAM role to associate with the VPC connection.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Required: Yes

SecurityGroupIds

A list of security group IDs for the VPC connection.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^sg-[0-9a-z]*$`

Required: Yes

SubnetIds

A list of subnet IDs for the VPC connection.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 15 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^subnet-[0-9a-z]*$`

Required: Yes

VPCConnectionId

The ID of the VPC connection that you're creating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `[\w\-]+`

Required: Yes

DnsResolvers

A list of IP addresses of DNS resolver endpoints for the VPC connection.

Type: Array of strings

Array Members: Maximum number of 15 items.

Length Constraints: Minimum length of 7. Maximum length of 15.

Required: No

Tags

A map of the key-value pairs for the resource tag or tags assigned to the VPC connection.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "AvailabilityStatus": "string",
```

```
   "CreationStatus": "string",
   "RequestId": "string",
   "VPCConnectionId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the VPC connection.

Type: String

AvailabilityStatus

The availability status of the VPC connection.

Type: String

Valid Values: `AVAILABLE | UNAVAILABLE | PARTIALLY_AVAILABLE`

CreationStatus

The status of the creation of the VPC connection.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETION_IN_PROGRESS | DELETION_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

VPCConnectionId

The ID for the VPC connection that you're creating. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteAccountCustomization

Deletes all Amazon QuickSight customizations in this Amazon Web Services Region for the specified Amazon account and Amazon QuickSight namespace.

Request Syntax

```
DELETE /accounts/AwsAccountId/customizations?namespace=Namespace HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to delete Amazon QuickSight customizations from in this Amazon Web Services Region.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The Amazon QuickSight namespace that you're deleting the customizations from.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteAccountSubscription

Use the `DeleteAccountSubscription` operation to delete an Amazon QuickSight account. This operation will result in an error message if you have configured your account termination protection settings to `True`. To change this setting and delete your account, call the `UpdateAccountSettings` API and set the value of the `TerminationProtectionEnabled` parameter to `False`, then make another call to the `DeleteAccountSubscription` API.

Request Syntax

```
DELETE /account/AwsAccountId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID of the account that you want to delete.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteAnalysis

Deletes an analysis from Amazon QuickSight. You can optionally include a recovery window during which you can restore the analysis. If you don't specify a recovery window value, the operation defaults to 30 days. Amazon QuickSight attaches a `DeletionTime` stamp to the response that specifies the end of the recovery window. At the end of the recovery window, Amazon QuickSight deletes the analysis permanently.

At any time before recovery window ends, you can use the `RestoreAnalysis` API operation to remove the `DeletionTime` stamp and cancel the deletion of the analysis. The analysis remains visible in the API until it's deleted, so you can describe it but you can't make a template from it.

An analysis that's scheduled for deletion isn't accessible in the Amazon QuickSight console. To access it in the console, restore it. Deleting an analysis doesn't delete the dashboards that you publish from it.

Request Syntax

```
DELETE /accounts/AwsAccountId/analyses/AnalysisId?force-delete-without-
recovery=ForceDeleteWithoutRecovery&recovery-window-in-days=RecoveryWindowInDays
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID of the analysis that you're deleting.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account where you want to delete an analysis.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

ForceDeleteWithoutRecovery

This option defaults to the value NoForceDeleteWithoutRecovery. To immediately delete the analysis, add the ForceDeleteWithoutRecovery option. You can't restore an analysis after it's deleted.

RecoveryWindowInDays

A value that specifies the number of days that Amazon QuickSight waits before it deletes the analysis. You can't use this parameter with the ForceDeleteWithoutRecovery option in the same API call. The default value is 30.

Valid Range: Minimum value of 7. Maximum value of 30.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnalysisId": "string",
   "Arn": "string",
   "DeletionTime": number,
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisId

The ID of the deleted analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Arn

The Amazon Resource Name (ARN) of the deleted analysis.

Type: String

DeletionTime

The date and time that the analysis is scheduled to be deleted.

Type: Timestamp

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3

- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteBrand

Deletes an Amazon QuickSight brand.

Request Syntax

```
DELETE /accounts/AwsAccountId/brands/BrandId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

BrandId

The ID of the Amazon QuickSight brand.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteBrandAssignment

Deletes a brand assignment.

Request Syntax

```
DELETE /accounts/AwsAccountId/brandassignments HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand assignment.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteCustomPermissions

Deletes a custom permissions profile.

Request Syntax

```
DELETE /accounts/AwsAccountId/custom-permissions/CustomPermissionsName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the custom permissions profile that you want to delete.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

CustomPermissionsName

The name of the custom permissions profile that you want to delete.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "Arn": "string",
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the custom permissions profile.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteDashboard

Deletes a dashboard.

Request Syntax

```
DELETE /accounts/AwsAccountId/dashboards/DashboardId?version-number=VersionNumber
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're deleting.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version number of the dashboard. If the version number property is provided, only the specified version of the dashboard is deleted.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "DashboardId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Secure Socket Layer (SSL) properties that apply for the resource.

Type: String

DashboardId

The ID of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteDataSet

Deletes a dataset.

Request Syntax

```
DELETE /accounts/AwsAccountId/data-sets/DataSetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "DataSetId": "string",
```

```
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the dataset.

Type: String

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteDataSet.

Sample Request

```
DELETE /accounts/{AwsAccountId}/data-sets/{DataSetId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteDataSetRefreshProperties

Deletes the dataset refresh properties of the dataset.

Request Syntax

```
DELETE /accounts/AwsAccountId/data-sets/DataSetId/refresh-properties HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteDataSource

Deletes the data source permanently. This operation breaks all the datasets that reference the deleted data source.

Request Syntax

```
DELETE /accounts/AwsAccountId/data-sources/DataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "DataSourceId": "string",
```

```
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the data source that you deleted.

Type: String

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteDataSource.

Sample Request

```
DELETE /accounts/{AwsAccountId}/data-sources/{DataSourceId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteDefaultQBusinessApplication

Deletes a linked Amazon Q Business application from an Amazon QuickSight account

Request Syntax

```
DELETE /accounts/AwsAccountId/default-qbusiness-application?namespace=Namespace
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon QuickSight account that you want to disconnect from a Amazon Q Business application.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The Amazon QuickSight namespace that you want to delete a linked Amazon Q Business application from. If this field is left blank, the Amazon Q Business application is deleted from the default namespace. Currently, the default namespace is the only valid value for this parameter.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteFolder

Deletes an empty folder.

Request Syntax

```
DELETE /accounts/AwsAccountId/folders/FolderId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
```

```
    "FolderId": "string",
    "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name of the deleted folder.

Type: String

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteFolderMembership

Removes an asset, such as a dashboard, analysis, or dataset, from a folder.

Request Syntax

```
DELETE /accounts/AwsAccountId/folders/FolderId/members/MemberType/MemberId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The Folder ID.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

MemberId

The ID of the asset that you want to delete.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

MemberType

The member type of the asset that you want to delete from a folder.

Valid Values: `DASHBOARD | ANALYSIS | DATASET | DATASOURCE | TOPIC`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteGroup

Removes a user group from Amazon QuickSight.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to delete.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace of the group that you want to delete.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteGroupMembership

Removes a user from a group so that the user is no longer a member of the group.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName/members/MemberName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to delete the user from.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

MemberName

The name of the user that you want to delete from the group membership.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace of the group that you want to remove a user from.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteIAMPolicyAssignment

Deletes an existing IAM policy assignment.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespace/Namespace/iam-policy-assignments/AssignmentName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssignmentName

The name of the assignment.

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: Yes

AwsAccountId

The Amazon account ID where you want to delete the IAM policy assignment.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that contains the assignment.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AssignmentName": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AssignmentName

The name of the assignment.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConcurrentUpdatingException

A resource is already in a state that indicates an operation is happening that must complete before a new update can be applied.

HTTP Status Code: 500

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteIdentityPropagationConfig

Deletes all access scopes and authorized targets that are associated with a service from the Amazon QuickSight IAM Identity Center application.

This operation is only supported for Amazon QuickSight accounts that use IAM Identity Center.

Request Syntax

```
DELETE /accounts/AwsAccountId/identity-propagation-config/Service HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that you want to delete an identity propagation configuration from.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Service

The name of the Amazon service that you want to delete the associated access scopes and authorized targets from.

Valid Values: `REDSHIFT | QBUSINESS | ATHENA`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteNamespace

Deletes a namespace and the users and groups that are associated with the namespace. This is an asynchronous process. Assets including dashboards, analyses, datasets and data sources are not deleted. To delete these assets, you use the API operations for the relevant asset.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to delete the Amazon QuickSight namespace from.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that you want to delete.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteRefreshSchedule

Deletes a refresh schedule from a dataset.

Request Syntax

```
DELETE /accounts/AwsAccountId/data-sets/DataSetId/refresh-schedules/ScheduleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

ScheduleId

The ID of the refresh schedule.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "Arn": "string",
   "RequestId": "string",
   "ScheduleId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the refresh schedule.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ScheduleId

The ID of the refresh schedule.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteRoleCustomPermission

Removes custom permissions from the role.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/roles/Role/custom-permission
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon Web Services account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that includes the role.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Role

The role that you want to remove permissions from.

Valid Values: `ADMIN | AUTHOR | READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteRoleMembership

Removes a group from a role.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/roles/Role/members/MemberName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to create a group in. The Amazon account ID that you provide must be the same Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MemberName

The name of the group.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace that contains the role.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Role

The role that you want to remove permissions from.

Valid Values: `ADMIN | AUTHOR | READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteTemplate

Deletes a template.

Request Syntax

```
DELETE /accounts/AwsAccountId/templates/TemplateId?version-number=VersionNumber
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the template that you're deleting.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

An ID for the template you want to delete.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

Specifies the version of the template that you want to delete. If you don't provide a version number, `DeleteTemplate` deletes all versions of the template.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "TemplateId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TemplateId

An ID for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteTemplateAlias

Deletes the item that the specified template alias points to. If you provide a specific alias, you delete the version of the template that the alias points to.

Request Syntax

```
DELETE /accounts/AwsAccountId/templates/TemplateId/aliases/AliasName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The name for the template alias. To delete a specific alias, you delete the version that the alias points to. You can specify the alias name, or specify the latest version of the template by providing the keyword $LATEST in the AliasName parameter.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: [\w\-]+|(\$LATEST)|(\$PUBLISHED)

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the item to delete.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

TemplateId

The ID for the template that the specified alias is for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AliasName": "string",
   "Arn": "string",
   "RequestId": "string",
   "TemplateId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AliasName

The name for the template alias.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Arn

The Amazon Resource Name (ARN) of the template you want to delete.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TemplateId

An ID for the template associated with the deletion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteTheme

Deletes a theme.

Request Syntax

```
DELETE /accounts/AwsAccountId/themes/ThemeId?version-number=VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the theme that you're deleting.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

An ID for the theme that you want to delete.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version of the theme that you want to delete.

Note: If you don't provide a version number, you're using this call to `DeleteTheme` to delete all versions of the theme.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "ThemeId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ThemeId

An ID for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteThemeAlias

Deletes the version of the theme that the specified theme alias points to. If you provide a specific alias, you delete the version of the theme that the alias points to.

Request Syntax

```
DELETE /accounts/AwsAccountId/themes/ThemeId/aliases/AliasName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The unique name for the theme alias to delete.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the theme alias to delete.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

The ID for the theme that the specified alias is for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AliasName": "string",
   "Arn": "string",
   "RequestId": "string",
   "ThemeId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AliasName

The name for the theme alias.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Arn

The Amazon Resource Name (ARN) of the theme resource using the deleted alias.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ThemeId

An ID for the theme associated with the deletion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteTopic

Deletes a topic.

Request Syntax

```
DELETE /accounts/AwsAccountId/topics/TopicId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic that you want to delete.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID of the topic that you want to delete. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "Arn": "string",
   "RequestId": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the topic.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicId

The ID of the topic that you want to delete. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteTopic.

Sample Request

```
DEL /accounts/{AwsAccountId}/topics/{TopicId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteTopicRefreshSchedule

Deletes a topic refresh schedule.

Request Syntax

```
DELETE /accounts/AwsAccountId/topics/TopicId/schedules/DatasetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DatasetId

The ID of the dataset.

Required: Yes

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DatasetArn": "string",
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DeleteTopicRefreshSchedule.

Sample Request

```
DEL /accounts/{AwsAccountId}/topics/{TopicId}/schedules/{ScheduleId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python

- Amazon SDK for Ruby V3

DeleteUser

Deletes the Amazon QuickSight user that is associated with the identity of the IAM user or role that's making the call. The IAM user isn't deleted as a result of this call.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/users/UserName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

UserName

The name of the user that you want to delete.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteUserByPrincipalId

Deletes a user identified by its principal ID.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/user-principals/PrincipalId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

PrincipalId

The principal ID of the user.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteUserCustomPermission

Deletes a custom permissions profile from a user.

Request Syntax

```
DELETE /accounts/AwsAccountId/namespaces/Namespace/users/UserName/custom-permission
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the custom permission configuration that you want to delete.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that the user belongs to.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

UserName

The username of the user that you want to remove custom permissions from.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DeleteVPCConnection

Deletes a VPC connection.

Request Syntax

```
DELETE /accounts/AwsAccountId/vpc-connections/VPCConnectionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID of the account where you want to delete a VPC connection.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

VPCConnectionId

The ID of the VPC connection that you're creating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
```

```
   "Arn": "string",
   "AvailabilityStatus": "string",
   "DeletionStatus": "string",
   "RequestId": "string",
   "VPCConnectionId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the deleted VPC connection.

Type: String

AvailabilityStatus

The availability status of the VPC connection.

Type: String

Valid Values: `AVAILABLE | UNAVAILABLE | PARTIALLY_AVAILABLE`

DeletionStatus

The deletion status of the VPC connection.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETION_IN_PROGRESS | DELETION_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

VPCConnectionId

The ID of the VPC connection that you're creating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAccountCustomization

Describes the customizations associated with the provided Amazon account and Amazon Amazon QuickSight namespace in an Amazon Web Services Region. The Amazon QuickSight console evaluates which customizations to apply by running this API operation with the `Resolved` flag included.

To determine what customizations display when you run this command, it can help to visualize the relationship of the entities involved.

- `Amazon account` - The Amazon account exists at the top of the hierarchy. It has the potential to use all of the Amazon Web Services Regions and Amazon Services. When you subscribe to Amazon QuickSight, you choose one Amazon Web Services Region to use as your home Region. That's where your free SPICE capacity is located. You can use Amazon QuickSight in any supported Amazon Web Services Region.
- `Amazon Web Services Region` - In each Amazon Web Services Region where you sign in to Amazon QuickSight at least once, Amazon QuickSight acts as a separate instance of the same service. If you have a user directory, it resides in us-east-1, which is the US East (N. Virginia). Generally speaking, these users have access to Amazon QuickSight in any Amazon Web Services Region, unless they are constrained to a namespace.

  To run the command in a different Amazon Web Services Region, you change your Region settings. If you're using the Amazon CLI, you can use one of the following options:

  - Use command line options.
  - Use named profiles.
  - Run `aws configure` to change your default Amazon Web Services Region. Use Enter to key the same settings for your keys. For more information, see Configuring the Amazon CLI.
- `Namespace` - A QuickSight namespace is a partition that contains users and assets (data sources, datasets, dashboards, and so on). To access assets that are in a specific namespace, users and groups must also be part of the same namespace. People who share a namespace are completely isolated from users and assets in other namespaces, even if they are in the same Amazon account and Amazon Web Services Region.
- `Applied customizations` - Within an Amazon Web Services Region, a set of Amazon QuickSight customizations can apply to an Amazon account or to a namespace. Settings that you apply to a namespace override settings that you apply to an Amazon account. All settings are isolated to a single Amazon Web Services Region. To apply them in other Amazon Web Services

Regions, run the `CreateAccountCustomization` command in each Amazon Web Services Region where you want to apply the same customizations.

Request Syntax

```
GET /accounts/AwsAccountId/customizations?namespace=Namespace&resolved=Resolved
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to describe Amazon QuickSight customizations for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The Amazon QuickSight namespace that you want to describe Amazon QuickSight customizations for.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Resolved

The `Resolved` flag works with the other parameters to determine which view of Amazon QuickSight customizations is returned. You can add this flag to your command to use the same view that Amazon QuickSight uses to identify which customizations to apply to the console. Omit this flag, or set it to `no-resolved`, to reveal customizations that are configured at different levels.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AccountCustomization": {
      "DefaultEmailCustomizationTemplate": "string",
      "DefaultTheme": "string"
   },
   "Arn": "string",
   "AwsAccountId": "string",
   "Namespace": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AccountCustomization

The Amazon QuickSight customizations that exist in the current Amazon Web Services Region.

Type: AccountCustomization object

Arn

The Amazon Resource Name (ARN) of the customization that's associated with this Amazon account.

Type: String

AwsAccountId

The ID for the Amazon account that you're describing.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Namespace

The Amazon QuickSight namespace that you're describing.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAccountSettings

Describes the settings that were used when your Amazon QuickSight subscription was first created in this Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/settings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the settings that you want to list.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AccountSettings": {
      "AccountName": "string",
      "DefaultNamespace": "string",
      "Edition": "string",
      "NotificationEmail": "string",
      "PublicSharingEnabled": boolean,
      "TerminationProtectionEnabled": boolean
   },
```

```
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AccountSettings

The Amazon QuickSight settings for this Amazon account. This information includes the edition of Amazon Amazon QuickSight that you subscribed to (Standard or Enterprise) and the notification email for the Amazon QuickSight subscription.

In the QuickSight console, the Amazon QuickSight subscription is sometimes referred to as a QuickSight "account" even though it's technically not an account by itself. Instead, it's a subscription to the Amazon QuickSight service for your Amazon account. The edition that you subscribe to applies to Amazon QuickSight in every Amazon Web Services Region where you use it.

Type: AccountSettings object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAccountSubscription

Use the DescribeAccountSubscription operation to receive a description of an Amazon QuickSight account's subscription. A successful API call returns an `AccountInfo` object that includes an account's name, subscription status, authentication type, edition, and notification email address.

Request Syntax

```
GET /account/AwsAccountId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon Web Services account ID associated with your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AccountInfo": {
      "AccountName": "string",
      "AccountSubscriptionStatus": "string",
      "AuthenticationType": "string",
      "Edition": "string",
      "IAMIdentityCenterInstanceArn": "string",
```

```
      "NotificationEmail": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AccountInfo

A structure that contains the following elements:

- Your Amazon QuickSight account name.
- The edition of Amazon QuickSight that your account is using.
- The notification email address that is associated with the Amazon QuickSight account.
- The authentication type of the Amazon QuickSight account.
- The status of the Amazon QuickSight account's subscription.

Type: AccountInfo object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAnalysis

Provides a summary of the metadata for an analysis.

Request Syntax

```
GET /accounts/AwsAccountId/analyses/AnalysisId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID of the analysis that you're describing. The ID is part of the URL of the analysis.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the analysis. You must be using the Amazon account that the analysis is in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Analysis": {
```

```
      "AnalysisId": "string",
      "Arn": "string",
      "CreatedTime": number,
      "DataSetArns": [ "string" ],
      "Errors": [
         {
            "Message": "string",
            "Type": "string",
            "ViolatedEntities": [
               {
                  "Path": "string"
               }
            ]
         }
      ],
      "LastUpdatedTime": number,
      "Name": "string",
      "Sheets": [
         {
            "Images": [
               {
                  "Actions": [
                     {
                        "ActionOperations": [
                           {
                              "NavigationOperation": {
                                 "LocalNavigationConfiguration": {
                                    "TargetSheetId": "string"
                                 }
                              },
                              "SetParametersOperation": {
                                 "ParameterValueConfigurations": [
                                    {
                                       "DestinationParameterName": "string",
                                       "Value": {
                                          "CustomValuesConfiguration": {
                                             "CustomValues": {
                                                "DateTimeValues": [ number ],
                                                "DecimalValues": [ number ],
                                                "IntegerValues": [ number ],
                                                "StringValues": [ "string" ]
                                             },
                                             "IncludeNullValue": boolean
                                          },
```

```
                                    "SelectAllValueOptions": "string",
                                    "SourceColumn": {
                                       "ColumnName": "string",
                                       "DataSetIdentifier": "string"
                                    },
                                    "SourceField": "string",
                                    "SourceParameterName": "string"
                                 }
                              }
                           ]
                        },
                        "URLOperation": {
                           "URLTarget": "string",
                           "URLTemplate": "string"
                        }
                     }
                  ],
                  "CustomActionId": "string",
                  "Name": "string",
                  "Status": "string",
                  "Trigger": "string"
               }
            ],
            "ImageContentAltText": "string",
            "Interactions": {
               "ImageMenuOption": {
                  "AvailabilityStatus": "string"
               }
            },
            "Scaling": {
               "ScalingType": "string"
            },
            "SheetImageId": "string",
            "Source": {
               "SheetImageStaticFileSource": {
                  "StaticFileId": "string"
               }
            },
            "Tooltip": {
               "TooltipText": {
                  "PlainText": "string"
               },
               "Visibility": "string"
            }
```

```
                }
            ],
            "Name": "string",
            "SheetId": "string"
         }
      ],
      "Status": "string",
      "ThemeArn": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Analysis

A metadata structure that contains summary information for the analysis that you're describing.

Type: Analysis object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAnalysisDefinition

Provides a detailed description of the definition of an analysis.

> **Note**
>
> If you do not need to know details about the content of an Analysis, for instance if you are trying to check the status of a recently created or updated Analysis, use the `DescribeAnalysis` instead.

Request Syntax

```
GET /accounts/AwsAccountId/analyses/AnalysisId/definition HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID of the analysis that you're describing. The ID is part of the URL of the analysis.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the analysis. You must be using the Amazon account that the analysis is in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnalysisId": "string",
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetIdentifierDeclarations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
      "QueryExecutionOptions": {
         "QueryExecutionMode": "string"
      },
      "Sheets": [
         { ... }
      ],
```

```
      "StaticFiles": [
         { ... }
      ]
   },
   "Errors": [
      {
         "Message": "string",
         "Type": "string",
         "ViolatedEntities": [
            {
               "Path": "string"
            }
         ]
      }
   ],
   "Name": "string",
   "RequestId": "string",
   "ResourceStatus": "string",
   "ThemeArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisId

The ID of the analysis described.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Definition

The definition of an analysis.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Type: AnalysisDefinition object

Errors

Errors associated with the analysis.

Type: Array of AnalysisError objects

Array Members: Minimum number of 1 item.

Name

The descriptive name of the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

RequestId

The Amazon request ID for this operation.

Type: String

ResourceStatus

Status associated with the analysis.

- CREATION_IN_PROGRESS
- CREATION_SUCCESSFUL
- CREATION_FAILED
- UPDATE_IN_PROGRESS
- UPDATE_SUCCESSFUL
- UPDATE_FAILED
- DELETED

Type: String

Valid Values: CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED

ThemeArn

The ARN of the theme of the analysis.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAnalysisPermissions

Provides the read and write permissions for an analysis.

Request Syntax

```
GET /accounts/AwsAccountId/analyses/AnalysisId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID of the analysis whose permissions you're describing. The ID is part of the analysis URL.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the analysis whose permissions you're describing. You must be using the Amazon account that the analysis is in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "AnalysisArn": "string",
   "AnalysisId": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisArn

The Amazon Resource Name (ARN) of the analysis whose permissions you're describing.

Type: String

AnalysisId

The ID of the analysis whose permissions you're describing.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Permissions

A structure that describes the principals and the resource-level permissions on an analysis.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAssetBundleExportJob

Describes an existing export job.

Poll job descriptions after a job starts to know the status of the job. When a job succeeds, a URL is provided to download the exported assets' data from. Download URLs are valid for five minutes after they are generated. You can call the `DescribeAssetBundleExportJob` API for a new download URL as needed.

Job descriptions are available for 14 days after the job starts.

Request Syntax

```
GET /accounts/AwsAccountId/asset-bundle-export-jobs/AssetBundleExportJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssetBundleExportJobId

The ID of the job that you want described. The job ID is set when you start a new job with a `StartAssetBundleExportJob` API call.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account the export job is executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "AssetBundleExportJobId": "string",
   "AwsAccountId": "string",
   "CloudFormationOverridePropertyConfiguration": {
      "Analyses": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "Dashboards": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "DataSets": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "DataSources": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "Folders": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "RefreshSchedules": [
         {
            "Arn": "string",
```

```
            "Properties": [ "string" ]
         }
      ],
      "ResourceIdOverrideConfiguration": {
         "PrefixForAllResources": boolean
      },
      "Themes": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "VPCConnections": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ]
   },
   "CreatedTime": number,
   "DownloadUrl": "string",
   "Errors": [
      {
         "Arn": "string",
         "Message": "string",
         "Type": "string"
      }
   ],
   "ExportFormat": "string",
   "IncludeAllDependencies": boolean,
   "IncludeFolderMembers": "string",
   "IncludeFolderMemberships": boolean,
   "IncludePermissions": boolean,
   "IncludeTags": boolean,
   "JobStatus": "string",
   "RequestId": "string",
   "ResourceArns": [ "string" ],
   "ValidationStrategy": {
      "StrictModeForAllResources": boolean
   },
   "Warnings": [
      {
         "Arn": "string",
         "Message": "string"
```

```
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the export job.

Type: String

AssetBundleExportJobId

The ID of the job. The job ID is set when you start a new job with a `StartAssetBundleExportJob` API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

AwsAccountId

The ID of the Amazon account that the export job was executed in.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

CloudFormationOverridePropertyConfiguration

The Amazon CloudFormation override property configuration for the export job.

Type: AssetBundleCloudFormationOverridePropertyConfiguration object

CreatedTime

The time that the export job was created.

Type: Timestamp

DownloadUrl

The URL to download the exported asset bundle data from.

This URL is available only after the job has succeeded. This URL is valid for 5 minutes after issuance. Call `DescribeAssetBundleExportJob` again for a fresh URL if needed.

The downloaded asset bundle is a zip file named `assetbundle-{jobId}.qs`. The file has a `.qs` extension.

This URL can't be used in a `StartAssetBundleImportJob` API call and should only be used for download purposes.

Type: String

Pattern: `^(https|s3)://([^/]+)/?(.*)$`

Errors

An array of error records that describes any failures that occurred during the export job processing.

Error records accumulate while the job runs. The complete set of error records is available after the job has completed and failed.

Type: Array of AssetBundleExportJobError objects

ExportFormat

The format of the exported asset bundle. A `QUICKSIGHT_JSON` formatted file can be used to make a `StartAssetBundleImportJob` API call. A `CLOUDFORMATION_JSON` formatted file can be used in the Amazon CloudFormation console and with the Amazon CloudFormation APIs.

Type: String

Valid Values: `CLOUDFORMATION_JSON | QUICKSIGHT_JSON`

IncludeAllDependencies

The include dependencies flag.

Type: Boolean

IncludeFolderMembers

A setting that determines whether folder members are included.

Type: String

Valid Values: `RECURSE | ONE_LEVEL | NONE`

IncludeFolderMemberships

The include folder memberships flag.

Type: Boolean

IncludePermissions

The include permissions flag.

Type: Boolean

IncludeTags

The include tags flag.

Type: Boolean

JobStatus

Indicates the status of a job through its queuing and execution.

Poll this `DescribeAssetBundleExportApi` until `JobStatus` is either `SUCCESSFUL` or `FAILED`.

Type: String

Valid Values: `QUEUED_FOR_IMMEDIATE_EXECUTION | IN_PROGRESS | SUCCESSFUL | FAILED`

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

ResourceArns

A list of resource ARNs that exported with the job.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

ValidationStrategy

The validation strategy that is used to export the analysis or dashboard.

Type: AssetBundleExportJobValidationStrategy object

Warnings

An array of warning records that describe the analysis or dashboard that is exported. This array includes UI errors that can be skipped during the validation process.

This property only appears if `StrictModeForAllResources` in `ValidationStrategy` is set to `FALSE`.

Type: Array of AssetBundleExportJobWarning objects

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeAssetBundleImportJob

Describes an existing import job.

Poll job descriptions after starting a job to know when it has succeeded or failed. Job descriptions are available for 14 days after job starts.

Request Syntax

```
GET /accounts/AwsAccountId/asset-bundle-import-jobs/AssetBundleImportJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssetBundleImportJobId

The ID of the job. The job ID is set when you start a new job with a `StartAssetBundleImportJob` API call.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account the import job was executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Arn": "string",
   "AssetBundleImportJobId": "string",
   "AssetBundleImportSource": {
      "Body": "string",
      "S3Uri": "string"
   },
   "AwsAccountId": "string",
   "CreatedTime": number,
   "Errors": [
      {
         "Arn": "string",
         "Message": "string",
         "Type": "string"
      }
   ],
   "FailureAction": "string",
   "JobStatus": "string",
   "OverrideParameters": {
      "Analyses": [
         {
            "AnalysisId": "string",
            "Name": "string"
         }
      ],
      "Dashboards": [
         {
            "DashboardId": "string",
            "Name": "string"
         }
      ],
      "DataSets": [
         {
            "DataSetId": "string",
            "DataSetRefreshProperties": {
               "FailureConfiguration": {
                  "EmailAlert": {
                     "AlertStatus": "string"
                  }
               },
               "RefreshConfiguration": {
                  "IncrementalRefresh": {
```

```
                    "LookbackWindow": {
                       "ColumnName": "string",
                       "Size": number,
                       "SizeUnit": "string"
                    }
                 }
              },
              "Name": "string"
           }
        ],
        "DataSources": [
           {
              "Credentials": {
                 "CredentialPair": {
                    "Password": "string",
                    "Username": "string"
                 },
                 "SecretArn": "string"
              },
              "DataSourceId": "string",
              "DataSourceParameters": {
                 "AmazonElasticsearchParameters": {
                    "Domain": "string"
                 },
                 "AmazonOpenSearchParameters": {
                    "Domain": "string"
                 },
                 "AthenaParameters": {
                    "IdentityCenterConfiguration": {
                       "EnableIdentityPropagation": boolean
                    },
                    "RoleArn": "string",
                    "WorkGroup": "string"
                 },
                 "AuroraParameters": {
                    "Database": "string",
                    "Host": "string",
                    "Port": number
                 },
                 "AuroraPostgreSqlParameters": {
                    "Database": "string",
                    "Host": "string",
                    "Port": number
```

```
      },
      "AwsIotAnalyticsParameters": {
         "DataSetName": "string"
      },
      "BigQueryParameters": {
         "DataSetRegion": "string",
         "ProjectId": "string"
      },
      "DatabricksParameters": {
         "Host": "string",
         "Port": number,
         "SqlEndpointPath": "string"
      },
      "ExasolParameters": {
         "Host": "string",
         "Port": number
      },
      "JiraParameters": {
         "SiteBaseUrl": "string"
      },
      "MariaDbParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "MySqlParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "OracleParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number,
         "UseServiceName": boolean
      },
      "PostgreSqlParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "PrestoParameters": {
         "Catalog": "string",
         "Host": "string",
```

```
            "Port": number
         },
         "RdsParameters": {
            "Database": "string",
            "InstanceId": "string"
         },
         "RedshiftParameters": {
            "ClusterId": "string",
            "Database": "string",
            "Host": "string",
            "IAMParameters": {
               "AutoCreateDatabaseUser": boolean,
               "DatabaseGroups": [ "string" ],
               "DatabaseUser": "string",
               "RoleArn": "string"
            },
            "IdentityCenterConfiguration": {
               "EnableIdentityPropagation": boolean
            },
            "Port": number
         },
         "S3Parameters": {
            "ManifestFileLocation": {
               "Bucket": "string",
               "Key": "string"
            },
            "RoleArn": "string"
         },
         "ServiceNowParameters": {
            "SiteBaseUrl": "string"
         },
         "SnowflakeParameters": {
            "AuthenticationType": "string",
            "Database": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
               "TokenProviderUrl": "string"
            },
```

```
            "Warehouse": "string"
         },
         "SparkParameters": {
            "Host": "string",
            "Port": number
         },
         "SqlServerParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "StarburstParameters": {
            "AuthenticationType": "string",
            "Catalog": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
               "TokenProviderUrl": "string"
            },
            "Port": number,
            "ProductType": "string"
         },
         "TeradataParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "TrinoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "TwitterParameters": {
            "MaxRows": number,
            "Query": "string"
         }
      },
      "Name": "string",
      "SslProperties": {
```

```
            "DisableSsl": boolean
         },
         "VpcConnectionProperties": {
            "VpcConnectionArn": "string"
         }
      }
   ],
   "Folders": [
      {
         "FolderId": "string",
         "Name": "string",
         "ParentFolderArn": "string"
      }
   ],
   "RefreshSchedules": [
      {
         "DataSetId": "string",
         "ScheduleId": "string",
         "StartAfterDateTime": number
      }
   ],
   "ResourceIdOverrideConfiguration": {
      "PrefixForAllResources": "string"
   },
   "Themes": [
      {
         "Name": "string",
         "ThemeId": "string"
      }
   ],
   "VPCConnections": [
      {
         "DnsResolvers": [ "string" ],
         "Name": "string",
         "RoleArn": "string",
         "SecurityGroupIds": [ "string" ],
         "SubnetIds": [ "string" ],
         "VPCConnectionId": "string"
      }
   ]
},
"OverridePermissions": {
   "Analyses": [
      {
```

```
            "AnalysisIds": [ "string" ],
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "Dashboards": [
         {
            "DashboardIds": [ "string" ],
            "LinkSharingConfiguration": {
               "Permissions": {
                  "Actions": [ "string" ],
                  "Principals": [ "string" ]
               }
            },
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "DataSets": [
         {
            "DataSetIds": [ "string" ],
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "DataSources": [
         {
            "DataSourceIds": [ "string" ],
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "Folders": [
         {
            "FolderIds": [ "string" ],
            "Permissions": {
```

```
            "Actions": [ "string" ],
            "Principals": [ "string" ]
         }
      }
   ],
   "Themes": [
      {
         "Permissions": {
            "Actions": [ "string" ],
            "Principals": [ "string" ]
         },
         "ThemeIds": [ "string" ]
      }
   ]
},
"OverrideTags": {
   "Analyses": [
      {
         "AnalysisIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "Dashboards": [
      {
         "DashboardIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "DataSets": [
      {
         "DataSetIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
```

```
                "Value": "string"
            }
         ]
      }
   ],
   "DataSources": [
      {
         "DataSourceIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "Folders": [
      {
         "FolderIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "Themes": [
      {
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "ThemeIds": [ "string" ]
      }
   ],
   "VPCConnections": [
      {
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
```

```
                }
            ],
            "VPCConnectionIds": [ "string" ]
         }
      ]
   },
   "OverrideValidationStrategy": {
      "StrictModeForAllResources": boolean
   },
   "RequestId": "string",
   "RollbackErrors": [
      {
         "Arn": "string",
         "Message": "string",
         "Type": "string"
      }
   ],
   "Warnings": [
      {
         "Arn": "string",
         "Message": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the import job.

Type: String

AssetBundleImportJobId

The ID of the job. The job ID is set when you start a new job with a `StartAssetBundleImportJob` API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

AssetBundleImportSource

The source of the asset bundle zip file that contains the data that is imported by the job.

Type: AssetBundleImportSourceDescription object

AwsAccountId

The ID of the Amazon account the import job was executed in.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

CreatedTime

The time that the import job was created.

Type: Timestamp

Errors

An array of error records that describes any failures that occurred during the export job processing.

Error records accumulate while the job is still running. The complete set of error records is available after the job has completed and failed.

Type: Array of AssetBundleImportJobError objects

FailureAction

The failure action for the import job.

Type: String

Valid Values: `DO_NOTHING | ROLLBACK`

JobStatus

Indicates the status of a job through its queuing and execution.

Poll the `DescribeAssetBundleImport` API until `JobStatus` returns one of the following values:

- `SUCCESSFUL`
- `FAILED`
- `FAILED_ROLLBACK_COMPLETED`
- `FAILED_ROLLBACK_ERROR`

Type: String

Valid Values: `QUEUED_FOR_IMMEDIATE_EXECUTION | IN_PROGRESS | SUCCESSFUL | FAILED | FAILED_ROLLBACK_IN_PROGRESS | FAILED_ROLLBACK_COMPLETED | FAILED_ROLLBACK_ERROR`

OverrideParameters

Optional overrides that are applied to the resource configuration before import.

Type: AssetBundleImportJobOverrideParameters object

OverridePermissions

Optional permission overrides that are applied to the resource configuration before import.

Type: AssetBundleImportJobOverridePermissions object

OverrideTags

Optional tag overrides that are applied to the resource configuration before import.

Type: AssetBundleImportJobOverrideTags object

OverrideValidationStrategy

An optional validation strategy override for all analyses and dashboards to be applied to the resource configuration before import.

Type: AssetBundleImportJobOverrideValidationStrategy object

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

RollbackErrors

An array of error records that describes any failures that occurred while an import job was attempting a rollback.

Error records accumulate while the job is still running. The complete set of error records is available after the job has completed and failed.

Type: Array of AssetBundleImportJobError objects

Warnings

An array of warning records that describe all permitted errors that are encountered during the import job.

Type: Array of AssetBundleImportJobWarning objects

Errors

For information about the errors that are common to all actions, see Common Errors.

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeBrand

Describes a brand.

Request Syntax

```
GET /accounts/AwsAccountId/brands/BrandId?versionId=VersionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

BrandId

The ID of the Amazon QuickSight brand.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

VersionId

The ID of the specific version. The default value is the latest version.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BrandDefinition": {
      "ApplicationTheme": {
         "BrandColorPalette": {
            "Accent": {
               "Background": "string",
               "Foreground": "string"
            },
            "Danger": {
               "Background": "string",
               "Foreground": "string"
            },
            "Dimension": {
               "Background": "string",
               "Foreground": "string"
            },
            "Info": {
               "Background": "string",
               "Foreground": "string"
            },
            "Measure": {
               "Background": "string",
               "Foreground": "string"
            },
            "Primary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Secondary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Success": {
               "Background": "string",
               "Foreground": "string"
            },
            "Warning": {
               "Background": "string",
```

```
            "Foreground": "string"
         }
      },
      "BrandElementStyle": {
         "NavbarStyle": {
            "ContextualNavbar": {
               "Background": "string",
               "Foreground": "string"
            },
            "GlobalNavbar": {
               "Background": "string",
               "Foreground": "string"
            }
         }
      }
   },
   "BrandName": "string",
   "Description": "string",
   "LogoConfiguration": {
      "AltText": "string",
      "LogoSet": {
         "Favicon": {
            "Original": {
               "Source": { ... }
            }
         },
         "Primary": {
            "Original": {
               "Source": { ... }
            }
         }
      }
   }
},
"BrandDetail": {
   "Arn": "string",
   "BrandId": "string",
   "BrandStatus": "string",
   "CreatedTime": number,
   "Errors": [ "string" ],
   "LastUpdatedTime": number,
   "Logo": {
      "AltText": "string",
      "LogoSet": {
```

```
            "Favicon": {
               "Height32": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Height64": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Original": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               }
            },
            "Primary": {
               "Height32": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Height64": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Original": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               }
            }
         }
      },
      "VersionId": "string",
      "VersionStatus": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BrandDefinition

The definition of the brand.

Type: BrandDefinition object

BrandDetail

The details of the brand.

Type: BrandDetail object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeBrandAssignment

Describes a brand assignment.

Request Syntax

```
GET /accounts/AwsAccountId/brandassignments HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand assignment.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BrandArn": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BrandArn

The Amazon Resource Name (ARN) of the brand.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeBrandPublishedVersion

Describes the published version of the brand.

Request Syntax

```
GET /accounts/AwsAccountId/brands/BrandId/publishedversion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

BrandId

The ID of the Amazon QuickSight brand.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BrandDefinition": {
      "ApplicationTheme": {
```

```
        "BrandColorPalette": {
           "Accent": {
              "Background": "string",
              "Foreground": "string"
           },
           "Danger": {
              "Background": "string",
              "Foreground": "string"
           },
           "Dimension": {
              "Background": "string",
              "Foreground": "string"
           },
           "Info": {
              "Background": "string",
              "Foreground": "string"
           },
           "Measure": {
              "Background": "string",
              "Foreground": "string"
           },
           "Primary": {
              "Background": "string",
              "Foreground": "string"
           },
           "Secondary": {
              "Background": "string",
              "Foreground": "string"
           },
           "Success": {
              "Background": "string",
              "Foreground": "string"
           },
           "Warning": {
              "Background": "string",
              "Foreground": "string"
           }
        },
        "BrandElementStyle": {
           "NavbarStyle": {
              "ContextualNavbar": {
                 "Background": "string",
                 "Foreground": "string"
              },
```

```
            "GlobalNavbar": {
               "Background": "string",
               "Foreground": "string"
            }
         }
      }
   },
   "BrandName": "string",
   "Description": "string",
   "LogoConfiguration": {
      "AltText": "string",
      "LogoSet": {
         "Favicon": {
            "Original": {
               "Source": { ... }
            }
         },
         "Primary": {
            "Original": {
               "Source": { ... }
            }
         }
      }
   }
},
"BrandDetail": {
   "Arn": "string",
   "BrandId": "string",
   "BrandStatus": "string",
   "CreatedTime": number,
   "Errors": [ "string" ],
   "LastUpdatedTime": number,
   "Logo": {
      "AltText": "string",
      "LogoSet": {
         "Favicon": {
            "Height32": {
               "GeneratedImageUrl": "string",
               "Source": { ... }
            },
            "Height64": {
               "GeneratedImageUrl": "string",
               "Source": { ... }
            },
```

```
            "Original": {
               "GeneratedImageUrl": "string",
               "Source": { ... }
            }
         },
         "Primary": {
            "Height32": {
               "GeneratedImageUrl": "string",
               "Source": { ... }
            },
            "Height64": {
               "GeneratedImageUrl": "string",
               "Source": { ... }
            },
            "Original": {
               "GeneratedImageUrl": "string",
               "Source": { ... }
            }
         }
      }
   },
   "VersionId": "string",
   "VersionStatus": "string"
  },
  "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BrandDefinition

The definition of the brand.

Type: BrandDefinition object

BrandDetail

The details of the brand.

Type: BrandDetail object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeCustomPermissions

Describes a custom permissions profile.

Request Syntax

```
GET /accounts/AwsAccountId/custom-permissions/CustomPermissionsName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the custom permissions profile that you want described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

CustomPermissionsName

The name of the custom permissions profile to describe.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
   "CustomPermissions": {
      "Arn": "string",
      "Capabilities": {
         "AddOrRunAnomalyDetectionForAnalyses": "string",
         "CreateAndUpdateDashboardEmailReports": "string",
         "CreateAndUpdateDatasets": "string",
         "CreateAndUpdateDataSources": "string",
         "CreateAndUpdateThemes": "string",
         "CreateAndUpdateThresholdAlerts": "string",
         "CreateSharedFolders": "string",
         "CreateSPICEDataset": "string",
         "ExportToCsv": "string",
         "ExportToCsvInScheduledReports": "string",
         "ExportToExcel": "string",
         "ExportToExcelInScheduledReports": "string",
         "ExportToPdf": "string",
         "ExportToPdfInScheduledReports": "string",
         "IncludeContentInScheduledReportsEmail": "string",
         "PrintReports": "string",
         "RenameSharedFolders": "string",
         "ShareAnalyses": "string",
         "ShareDashboards": "string",
         "ShareDatasets": "string",
         "ShareDataSources": "string",
         "SubscribeDashboardEmailReports": "string",
         "ViewAccountSPICECapacity": "string"
      },
      "CustomPermissionsName": "string"
   },
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CustomPermissions

The custom permissions profile.

Type: CustomPermissions object

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDashboard

Provides a summary for a dashboard.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId?alias-name=AliasName&version-
number=VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The alias name.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're describing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version number for the dashboard. If a version number isn't passed, the latest published dashboard version is described.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Dashboard": {
      "Arn": "string",
      "CreatedTime": number,
      "DashboardId": "string",
      "LastPublishedTime": number,
      "LastUpdatedTime": number,
      "LinkEntities": [ "string" ],
      "Name": "string",
      "Version": {
         "Arn": "string",
         "CreatedTime": number,
         "DataSetArns": [ "string" ],
         "Description": "string",
         "Errors": [
            {
               "Message": "string",
               "Type": "string",
               "ViolatedEntities": [
                  {
                     "Path": "string"
                  }
               ]
            }
         ],
         "Sheets": [
            {
               "Images": [
                  {
                     "Actions": [
                        {
                           "ActionOperations": [
```

```
                        {
                           "NavigationOperation": {
                              "LocalNavigationConfiguration": {
                                 "TargetSheetId": "string"
                              }
                           },
                           "SetParametersOperation": {
                              "ParameterValueConfigurations": [
                                 {
                                    "DestinationParameterName": "string",
                                    "Value": {
                                       "CustomValuesConfiguration": {
                                          "CustomValues": {
                                             "DateTimeValues": [ number ],
                                             "DecimalValues": [ number ],
                                             "IntegerValues": [ number ],
                                             "StringValues": [ "string" ]
                                          },
                                          "IncludeNullValue": boolean
                                       },
                                       "SelectAllValueOptions": "string",
                                       "SourceColumn": {
                                          "ColumnName": "string",
                                          "DataSetIdentifier": "string"
                                       },
                                       "SourceField": "string",
                                       "SourceParameterName": "string"
                                    }
                                 }
                              ]
                           },
                           "URLOperation": {
                              "URLTarget": "string",
                              "URLTemplate": "string"
                           }
                        }
                     ],
                     "CustomActionId": "string",
                     "Name": "string",
                     "Status": "string",
                     "Trigger": "string"
                  }
               ],
               "ImageContentAltText": "string",
```

```
                        "Interactions": {
                           "ImageMenuOption": {
                              "AvailabilityStatus": "string"
                           }
                        },
                        "Scaling": {
                           "ScalingType": "string"
                        },
                        "SheetImageId": "string",
                        "Source": {
                           "SheetImageStaticFileSource": {
                              "StaticFileId": "string"
                           }
                        },
                        "Tooltip": {
                           "TooltipText": {
                              "PlainText": "string"
                           },
                           "Visibility": "string"
                        }
                     }
                  ],
                  "Name": "string",
                  "SheetId": "string"
               }
            ],
            "SourceEntityArn": "string",
            "Status": "string",
            "ThemeArn": "string",
            "VersionNumber": number
         }
      },
      "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of this request.

The following data is returned in JSON format by the service.

Dashboard

Information about the dashboard.

Type: Dashboard object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDashboardDefinition

Provides a detailed description of the definition of a dashboard.

> **Note**
>
> If you do not need to know details about the content of a dashboard, for instance if you are trying to check the status of a recently created or updated dashboard, use the DescribeDashboard instead.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId/definition?alias-
name=AliasName&version-number=VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The alias name.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're describing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version number for the dashboard. If a version number isn't passed, the latest published dashboard version is described.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardId": "string",
   "DashboardPublishOptions": {
      "AdHocFilteringOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointDrillUpDownOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointMenuLabelOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointTooltipOption": {
         "AvailabilityStatus": "string"
      },
      "DataQAEnabledOption": {
         "AvailabilityStatus": "string"
      },
      "ExportToCSVOption": {
         "AvailabilityStatus": "string"
      },
      "ExportWithHiddenFieldsOption": {
         "AvailabilityStatus": "string"
      },
```

```
      "SheetControlsOption": {
         "VisibilityState": "string"
      },
      "SheetLayoutElementMaximizationOption": {
         "AvailabilityStatus": "string"
      },
      "VisualAxisSortOption": {
         "AvailabilityStatus": "string"
      },
      "VisualMenuOption": {
         "AvailabilityStatus": "string"
      },
      "VisualPublishOptions": {
         "ExportHiddenFieldsOption": {
            "AvailabilityStatus": "string"
         }
      }
   },
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetIdentifierDeclarations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
```

```
      "Sheets": [
         { ... }
      ],
      "StaticFiles": [
         { ... }
      ]
   },
   "Errors": [
      {
         "Message": "string",
         "Type": "string",
         "ViolatedEntities": [
            {
               "Path": "string"
            }
         ]
      }
   ],
   "Name": "string",
   "RequestId": "string",
   "ResourceStatus": "string",
   "ThemeArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardId

The ID of the dashboard described.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

DashboardPublishOptions

Options for publishing the dashboard:

- `AvailabilityStatus` for `AdHocFilteringOption` - This status can be either `ENABLED` or `DISABLED`. When this is set to `DISABLED`, Amazon QuickSight disables the left filter pane on the published dashboard, which can be used for ad hoc (one-time) filtering. This option is `ENABLED` by default.
- `AvailabilityStatus` for `ExportToCSVOption` - This status can be either `ENABLED` or `DISABLED`. The visual option to export data to .CSV format isn't enabled when this is set to `DISABLED`. This option is `ENABLED` by default.
- `VisibilityState` for `SheetControlsOption` - This visibility state can be either `COLLAPSED` or `EXPANDED`. This option is `COLLAPSED` by default.

Type: DashboardPublishOptions object

Definition

The definition of a dashboard.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Type: DashboardVersionDefinition object

Errors

Errors associated with this dashboard version.

Type: Array of DashboardError objects

Array Members: Minimum number of 1 item.

Name

The display name of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

RequestId

The Amazon request ID for this operation.

Type: String

ResourceStatus

Status associated with the dashboard version.

- CREATION_IN_PROGRESS
- CREATION_SUCCESSFUL
- CREATION_FAILED
- UPDATE_IN_PROGRESS
- UPDATE_SUCCESSFUL
- UPDATE_FAILED
- DELETED

Type: String

Valid Values: CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED

ThemeArn

The ARN of the theme of the dashboard.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDashboardPermissions

Describes read and write permissions for a dashboard.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're describing permissions for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard, also added to the IAM policy.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "DashboardArn": "string",
   "DashboardId": "string",
   "LinkSharingConfiguration": {
      "Permissions": [
         {
            "Actions": [ "string" ],
            "Principal": "string"
         }
      ]
   },
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardArn

The Amazon Resource Name (ARN) of the dashboard.

Type: String

DashboardId

The ID for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

LinkSharingConfiguration

A structure that contains the configuration of a shareable link that grants access to the dashboard. Your users can use the link to view and interact with the dashboard, if the dashboard has been shared with them. For more information about sharing dashboards, see Sharing Dashboards.

Type: LinkSharingConfiguration object

Permissions

A structure that contains the permissions for the dashboard.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDashboardSnapshotJob

Describes an existing snapshot job.

Poll job descriptions after a job starts to know the status of the job. For information on available status codes, see `JobStatus`.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId/snapshot-jobs/SnapshotJobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the dashboard snapshot job is executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID of the dashboard that you have started a snapshot job for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SnapshotJobId

The ID of the job to be described. The job ID is set when you start a new job with a `StartDashboardSnapshotJob` API call.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Arn": "string",
   "AwsAccountId": "string",
   "CreatedTime": number,
   "DashboardId": "string",
   "JobStatus": "string",
   "LastUpdatedTime": number,
   "RequestId": "string",
   "SnapshotConfiguration": {
      "DestinationConfiguration": {
         "S3Destinations": [
            {
               "BucketConfiguration": {
                  "BucketName": "string",
                  "BucketPrefix": "string",
                  "BucketRegion": "string"
               }
            }
         ]
      },
      "FileGroups": [
         {
            "Files": [
               {
                  "FormatType": "string",
                  "SheetSelections": [
                     {
                        "SelectionScope": "string",
                        "SheetId": "string",
                        "VisualIds": [ "string" ]
                     }
                  ]
               }
            ]
```

```
         }
      ],
      "Parameters": {
         "DateTimeParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "DecimalParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "IntegerParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "StringParameters": [
            {
               "Name": "string",
               "Values": [ "string" ]
            }
         ]
      }
   },
   "SnapshotJobId": "string",
   "Status": number,
   "UserConfiguration": {
      "AnonymousUsers": [
         {
            "RowLevelPermissionTagKeys": [ "string" ]
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the snapshot job. The job ARN is generated when you start a new job with a `StartDashboardSnapshotJob` API call.

Type: String

AwsAccountId

The ID of the Amazon account that the dashboard snapshot job is executed in.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

CreatedTime

The time that the snapshot job was created.

Type: Timestamp

DashboardId

The ID of the dashboard that you have started a snapshot job for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

JobStatus

Indicates the status of a job. The status updates as the job executes. This shows one of the following values.

- `COMPLETED` - The job was completed successfully.
- `FAILED` - The job failed to execute.
- `QUEUED` - The job is queued and hasn't started yet.
- `RUNNING` - The job is still running.

Type: String

Valid Values: `QUEUED | RUNNING | COMPLETED | FAILED`

LastUpdatedTime

The time that the snapshot job status was last updated.

Type: Timestamp

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

SnapshotConfiguration

The snapshot configuration of the job. This information is provided when you make a `StartDashboardSnapshotJob` API call.

Type: SnapshotConfiguration object

SnapshotJobId

The ID of the job to be described. The job ID is set when you start a new job with a `StartDashboardSnapshotJob` API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Status

The HTTP status of the request

Type: Integer

UserConfiguration

The user configuration for the snapshot job. This information is provided when you make a `StartDashboardSnapshotJob` API call.

Type: SnapshotUserConfigurationRedacted object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDashboardSnapshotJobResult

Describes the result of an existing snapshot job that has finished running.

A finished snapshot job will return a `COMPLETED` or `FAILED` status when you poll the job with a `DescribeDashboardSnapshotJob` API call.

If the job has not finished running, this operation returns a message that says `Dashboard Snapshot Job with id <SnapshotjobId> has not reached a terminal state.`.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId/snapshot-jobs/SnapshotJobId/result
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the dashboard snapshot job is executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID of the dashboard that you have started a snapshot job for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SnapshotJobId

The ID of the job to be described. The job ID is set when you start a new job with a `StartDashboardSnapshotJob` API call.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "CreatedTime": number,
   "ErrorInfo": {
      "ErrorMessage": "string",
      "ErrorType": "string"
   },
   "JobStatus": "string",
   "LastUpdatedTime": number,
   "RequestId": "string",
   "Result": {
      "AnonymousUsers": [
         {
            "FileGroups": [
               {
                  "Files": [
                     {
                        "FormatType": "string",
                        "SheetSelections": [
                           {
                              "SelectionScope": "string",
                              "SheetId": "string",
                              "VisualIds": [ "string" ]
                           }
                        ]
                     }
                  ],
                  "S3Results": [
                     {
                        "ErrorInfo": [
```

```
                        {
                           "ErrorMessage": "string",
                           "ErrorType": "string"
                        }
                     ],
                     "S3DestinationConfiguration": {
                        "BucketConfiguration": {
                           "BucketName": "string",
                           "BucketPrefix": "string",
                           "BucketRegion": "string"
                        }
                     },
                     "S3Uri": "string"
                  }
               ]
            }
         ]
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the snapshot job. The job ARN is generated when you start a new job with a `StartDashboardSnapshotJob` API call.

Type: String

CreatedTime

The time that a snapshot job was created.

Type: Timestamp

ErrorInfo

Displays information for the error that caused a job to fail.

Type: SnapshotJobErrorInfo object

JobStatus

Indicates the status of a job after it has reached a terminal state. A finished snapshot job will retuen a `COMPLETED` or `FAILED` status.

Type: String

Valid Values: `QUEUED | RUNNING | COMPLETED | FAILED`

LastUpdatedTime

The time that a snapshot job status was last updated.

Type: Timestamp

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

Result

The result of the snapshot job. Jobs that have successfully completed will return the S3Uri where they are located. Jobs that have failedwill return information on the error that caused the job to fail.

Type: SnapshotJobResult object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDashboardsQAConfiguration

Describes an existing dashboard QA configuration.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards-qa-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard QA configuration that you want described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardsQAStatus": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardsQAStatus

The status of dashboards QA configuration that you want described.

Type: String

Valid Values: `ENABLED | DISABLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDataSet

Describes a dataset. This operation doesn't support datasets that include uploaded files as a source.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSet": {
      "Arn": "string",
      "ColumnGroups": [
         {
```

```
            "GeoSpatialColumnGroup": {
               "Columns": [ "string" ],
               "CountryCode": "string",
               "Name": "string"
            }
         }
      ],
      "ColumnLevelPermissionRules": [
         {
            "ColumnNames": [ "string" ],
            "Principals": [ "string" ]
         }
      ],
      "ConsumedSpiceCapacityInBytes": number,
      "CreatedTime": number,
      "DataSetId": "string",
      "DatasetParameters": [
         {
            "DateTimeDatasetParameter": {
               "DefaultValues": {
                  "StaticValues": [ number ]
               },
               "Id": "string",
               "Name": "string",
               "TimeGranularity": "string",
               "ValueType": "string"
            },
            "DecimalDatasetParameter": {
               "DefaultValues": {
                  "StaticValues": [ number ]
               },
               "Id": "string",
               "Name": "string",
               "ValueType": "string"
            },
            "IntegerDatasetParameter": {
               "DefaultValues": {
                  "StaticValues": [ number ]
               },
               "Id": "string",
               "Name": "string",
               "ValueType": "string"
            },
            "StringDatasetParameter": {
```

```
            "DefaultValues": {
               "StaticValues": [ "string" ]
            },
            "Id": "string",
            "Name": "string",
            "ValueType": "string"
         }
      }
   ],
   "DataSetUsageConfiguration": {
      "DisableUseAsDirectQuerySource": boolean,
      "DisableUseAsImportedSource": boolean
   },
   "FieldFolders": {
      "string" : {
         "columns": [ "string" ],
         "description": "string"
      }
   },
   "ImportMode": "string",
   "LastUpdatedTime": number,
   "LogicalTableMap": {
      "string" : {
         "Alias": "string",
         "DataTransforms": [
            {
               "CastColumnTypeOperation": {
                  "ColumnName": "string",
                  "Format": "string",
                  "NewColumnType": "string",
                  "SubType": "string"
               },
               "CreateColumnsOperation": {
                  "Columns": [
                     {
                        "ColumnId": "string",
                        "ColumnName": "string",
                        "Expression": "string"
                     }
                  ]
               },
               "FilterOperation": {
                  "ConditionExpression": "string"
               },
```

```
            "OverrideDatasetParameterOperation": {
               "NewDefaultValues": {
                  "DateTimeStaticValues": [ number ],
                  "DecimalStaticValues": [ number ],
                  "IntegerStaticValues": [ number ],
                  "StringStaticValues": [ "string" ]
               },
               "NewParameterName": "string",
               "ParameterName": "string"
            },
            "ProjectOperation": {
               "ProjectedColumns": [ "string" ]
            },
            "RenameColumnOperation": {
               "ColumnName": "string",
               "NewColumnName": "string"
            },
            "TagColumnOperation": {
               "ColumnName": "string",
               "Tags": [
                  {
                     "ColumnDescription": {
                        "Text": "string"
                     },
                     "ColumnGeographicRole": "string"
                  }
               ]
            },
            "UntagColumnOperation": {
               "ColumnName": "string",
               "TagNames": [ "string" ]
            }
         }
      ],
      "Source": {
         "DataSetArn": "string",
         "JoinInstruction": {
            "LeftJoinKeyProperties": {
               "UniqueKey": boolean
            },
            "LeftOperand": "string",
            "OnClause": "string",
            "RightJoinKeyProperties": {
               "UniqueKey": boolean
```

```
                },
                "RightOperand": "string",
                "Type": "string"
            },
            "PhysicalTableId": "string"
        }
    }
},
"Name": "string",
"OutputColumns": [
    {
        "Description": "string",
        "Name": "string",
        "SubType": "string",
        "Type": "string"
    }
],
"PerformanceConfiguration": {
    "UniqueKeys": [
        {
            "ColumnNames": [ "string" ]
        }
    ]
},
"PhysicalTableMap": {
    "string" : {
        "CustomSql": {
            "Columns": [
                {
                    "Name": "string",
                    "SubType": "string",
                    "Type": "string"
                }
            ],
            "DataSourceArn": "string",
            "Name": "string",
            "SqlQuery": "string"
        },
        "RelationalTable": {
            "Catalog": "string",
            "DataSourceArn": "string",
            "InputColumns": [
                {
                    "Name": "string",
```

```
                    "SubType": "string",
                    "Type": "string"
                }
            ],
            "Name": "string",
            "Schema": "string"
        },
        "S3Source": {
            "DataSourceArn": "string",
            "InputColumns": [
                {
                    "Name": "string",
                    "SubType": "string",
                    "Type": "string"
                }
            ],
            "UploadSettings": {
                "ContainsHeader": boolean,
                "Delimiter": "string",
                "Format": "string",
                "StartFromRow": number,
                "TextQualifier": "string"
            }
        }
    }
},
"RowLevelPermissionDataSet": {
    "Arn": "string",
    "FormatVersion": "string",
    "Namespace": "string",
    "PermissionPolicy": "string",
    "Status": "string"
},
"RowLevelPermissionTagConfiguration": {
    "Status": "string",
    "TagRuleConfigurations": [
        [ "string" ]
    ],
    "TagRules": [
        {
            "ColumnName": "string",
            "MatchAllValue": "string",
            "TagKey": "string",
            "TagMultiValueDelimiter": "string"
```

```
            }
         ]
      },
      "UseAs": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSet

Information on the dataset.

Type: DataSet object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeDataSet.

Sample Request

```
GET /accounts/{AwsAccountId}/data-sets/{DataSetId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDataSetPermissions

Describes the permissions on a dataset.

The permissions resource is `arn:aws:quicksight:region:aws-account-id:dataset/data-set-id`.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
```

```
   "DataSetArn": "string",
   "DataSetId": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Permissions

A list of resource permissions on the dataset.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeDataSetPermissions.

Sample Request

```
GET /accounts/{AwsAccountId}/data-sets/{DataSetId}/permissions HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDataSetRefreshProperties

Describes the refresh properties of a dataset.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId/refresh-properties HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSetRefreshProperties": {
      "FailureConfiguration": {
```

```
         "EmailAlert": {
            "AlertStatus": "string"
         }
      },
      "RefreshConfiguration": {
         "IncrementalRefresh": {
            "LookbackWindow": {
               "ColumnName": "string",
               "Size": number,
               "SizeUnit": "string"
            }
         }
      }
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSetRefreshProperties

The dataset refresh properties.

Type: DataSetRefreshProperties object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDataSource

Describes a data source.

Request Syntax

```
GET /accounts/AwsAccountId/data-sources/DataSourceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSource": {
      "AlternateDataSourceParameters": [
         {
            "AmazonElasticsearchParameters": {
```

```
            "Domain": "string"
         },
         "AmazonOpenSearchParameters": {
            "Domain": "string"
         },
         "AthenaParameters": {
            "IdentityCenterConfiguration": {
               "EnableIdentityPropagation": boolean
            },
            "RoleArn": "string",
            "WorkGroup": "string"
         },
         "AuroraParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "AuroraPostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "AwsIotAnalyticsParameters": {
            "DataSetName": "string"
         },
         "BigQueryParameters": {
            "DataSetRegion": "string",
            "ProjectId": "string"
         },
         "DatabricksParameters": {
            "Host": "string",
            "Port": number,
            "SqlEndpointPath": "string"
         },
         "ExasolParameters": {
            "Host": "string",
            "Port": number
         },
         "JiraParameters": {
            "SiteBaseUrl": "string"
         },
         "MariaDbParameters": {
            "Database": "string",
            "Host": "string",
```

```
            "Port": number
         },
         "MySqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "OracleParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number,
            "UseServiceName": boolean
         },
         "PostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "PrestoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "RdsParameters": {
            "Database": "string",
            "InstanceId": "string"
         },
         "RedshiftParameters": {
            "ClusterId": "string",
            "Database": "string",
            "Host": "string",
            "IAMParameters": {
               "AutoCreateDatabaseUser": boolean,
               "DatabaseGroups": [ "string" ],
               "DatabaseUser": "string",
               "RoleArn": "string"
            },
            "IdentityCenterConfiguration": {
               "EnableIdentityPropagation": boolean
            },
            "Port": number
         },
         "S3Parameters": {
            "ManifestFileLocation": {
```

```
            "Bucket": "string",
            "Key": "string"
         },
         "RoleArn": "string"
      },
      "ServiceNowParameters": {
         "SiteBaseUrl": "string"
      },
      "SnowflakeParameters": {
         "AuthenticationType": "string",
         "Database": "string",
         "DatabaseAccessControlRole": "string",
         "Host": "string",
         "OAuthParameters": {
            "IdentityProviderResourceUri": "string",
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
         },
         "Warehouse": "string"
      },
      "SparkParameters": {
         "Host": "string",
         "Port": number
      },
      "SqlServerParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "StarburstParameters": {
         "AuthenticationType": "string",
         "Catalog": "string",
         "DatabaseAccessControlRole": "string",
         "Host": "string",
         "OAuthParameters": {
            "IdentityProviderResourceUri": "string",
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
```

```
            },
            "Port": number,
            "ProductType": "string"
         },
         "TeradataParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "TrinoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "TwitterParameters": {
            "MaxRows": number,
            "Query": "string"
         }
      }
   ],
   "Arn": "string",
   "CreatedTime": number,
   "DataSourceId": "string",
   "DataSourceParameters": {
      "AmazonElasticsearchParameters": {
         "Domain": "string"
      },
      "AmazonOpenSearchParameters": {
         "Domain": "string"
      },
      "AthenaParameters": {
         "IdentityCenterConfiguration": {
            "EnableIdentityPropagation": boolean
         },
         "RoleArn": "string",
         "WorkGroup": "string"
      },
      "AuroraParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "AuroraPostgreSqlParameters": {
         "Database": "string",
```

```
            "Host": "string",
            "Port": number
         },
         "AwsIotAnalyticsParameters": {
            "DataSetName": "string"
         },
         "BigQueryParameters": {
            "DataSetRegion": "string",
            "ProjectId": "string"
         },
         "DatabricksParameters": {
            "Host": "string",
            "Port": number,
            "SqlEndpointPath": "string"
         },
         "ExasolParameters": {
            "Host": "string",
            "Port": number
         },
         "JiraParameters": {
            "SiteBaseUrl": "string"
         },
         "MariaDbParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "MySqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "OracleParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number,
            "UseServiceName": boolean
         },
         "PostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "PrestoParameters": {
```

```
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "RdsParameters": {
            "Database": "string",
            "InstanceId": "string"
         },
         "RedshiftParameters": {
            "ClusterId": "string",
            "Database": "string",
            "Host": "string",
            "IAMParameters": {
               "AutoCreateDatabaseUser": boolean,
               "DatabaseGroups": [ "string" ],
               "DatabaseUser": "string",
               "RoleArn": "string"
            },
            "IdentityCenterConfiguration": {
               "EnableIdentityPropagation": boolean
            },
            "Port": number
         },
         "S3Parameters": {
            "ManifestFileLocation": {
               "Bucket": "string",
               "Key": "string"
            },
            "RoleArn": "string"
         },
         "ServiceNowParameters": {
            "SiteBaseUrl": "string"
         },
         "SnowflakeParameters": {
            "AuthenticationType": "string",
            "Database": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
```

```
            "TokenProviderUrl": "string"
         },
         "Warehouse": "string"
      },
      "SparkParameters": {
         "Host": "string",
         "Port": number
      },
      "SqlServerParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "StarburstParameters": {
         "AuthenticationType": "string",
         "Catalog": "string",
         "DatabaseAccessControlRole": "string",
         "Host": "string",
         "OAuthParameters": {
            "IdentityProviderResourceUri": "string",
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
         },
         "Port": number,
         "ProductType": "string"
      },
      "TeradataParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "TrinoParameters": {
         "Catalog": "string",
         "Host": "string",
         "Port": number
      },
      "TwitterParameters": {
         "MaxRows": number,
         "Query": "string"
      }
   },
```

```
      "ErrorInfo": {
         "Message": "string",
         "Type": "string"
      },
      "LastUpdatedTime": number,
      "Name": "string",
      "SecretArn": "string",
      "SslProperties": {
         "DisableSsl": boolean
      },
      "Status": "string",
      "Type": "string",
      "VpcConnectionProperties": {
         "VpcConnectionArn": "string"
      }
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSource

The information on the data source.

Type: DataSource object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDataSourcePermissions

Describes the resource permissions for a data source.

Request Syntax

```
GET /accounts/AwsAccountId/data-sources/DataSourceId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSourceArn": "string",
   "DataSourceId": "string",
```

```
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSourceArn

The Amazon Resource Name (ARN) of the data source.

Type: String

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Permissions

A list of resource permissions on the data source.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeDataSourcePermissions.

Sample Request

```
GET /accounts/{AwsAccountId}/data-sources/{DataSourceId}/permissions HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeDefaultQBusinessApplication

Describes a Amazon Q Business application that is linked to an Amazon QuickSight account.

Request Syntax

```
GET /accounts/AwsAccountId/default-qbusiness-application?namespace=Namespace HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon QuickSight account that is linked to the Amazon Q Business application that you want described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The Amazon QuickSight namespace that contains the linked Amazon Q Business application. If this field is left blank, the default namespace is used. Currently, the default namespace is the only valid value for this parameter.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "ApplicationId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

ApplicationId

The ID of the Amazon Q Business application that is linked to the Amazon QuickSight account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeFolder

Describes a folder.

Request Syntax

```
GET /accounts/AwsAccountId/folders/FolderId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Folder": {
```

```
      "Arn": "string",
      "CreatedTime": number,
      "FolderId": "string",
      "FolderPath": [ "string" ],
      "FolderType": "string",
      "LastUpdatedTime": number,
      "Name": "string",
      "SharingModel": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Folder

Information about the folder.

Type: Folder object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeFolderPermissions

Describes permissions for a folder.

Request Syntax

```
GET /accounts/AwsAccountId/folders/FolderId/permissions?max-
results=MaxResults&namespace=Namespace&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace of the folder whose permissions you want described.

Length Constraints: Maximum length of 64.

Pattern: ^[a-zA-Z0-9._-]*$

NextToken

A pagination token for the next set of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "FolderId": "string",
   "NextToken": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the folder.

Type: String

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

NextToken

The pagination token for the next set of results, or null if there are no more results.

Type: String

Permissions

Information about the permissions on the folder.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeFolderResolvedPermissions

Describes the folder resolved permissions. Permissions consists of both folder direct permissions and the inherited permissions from the ancestor folders.

Request Syntax

```
GET /accounts/AwsAccountId/folders/FolderId/resolved-permissions?max-
results=MaxResults&namespace=Namespace&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace of the folder whose permissions you want described.

Length Constraints: Maximum length of 64.

Pattern: ^[a-zA-Z0-9._-]*$

NextToken

A pagination token for the next set of results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "FolderId": "string",
   "NextToken": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the folder.

Type: String

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

NextToken

A pagination token for the next set of results, or null if there are no more results.

Type: String

Permissions

Information about the permissions for the folder.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeGroup

Returns an Amazon QuickSight group's description and Amazon Resource Name (ARN).

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to describe.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace of the group that you want described.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Group": {
      "Arn": "string",
      "Description": "string",
      "GroupName": "string",
      "PrincipalId": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Group

The name of the group.

Type: Group object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeGroupMembership

Use the `DescribeGroupMembership` operation to determine if a user is a member of the specified group. If the user exists and is a member of the specified group, an associated `GroupMember` object is returned.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName/members/MemberName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon Web Services account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to search.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

MemberName

The user name of the user that you want to search for.

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace that includes the group you are searching within.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "GroupMember": {
      "Arn": "string",
      "MemberName": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

GroupMember

A member of an Amazon QuickSight group. Currently, group members must be users. Groups can't be members of another group. .

Type: GroupMember object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeIAMPolicyAssignment

Describes an existing IAM policy assignment, as specified by the assignment name.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/iam-policy-assignments/AssignmentName
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssignmentName

The name of the assignment, also called a rule.

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the assignment that you want to describe.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that contains the assignment.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "IAMPolicyAssignment": {
      "AssignmentId": "string",
      "AssignmentName": "string",
      "AssignmentStatus": "string",
      "AwsAccountId": "string",
      "Identities": {
         "string" : [ "string" ]
      },
      "PolicyArn": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

IAMPolicyAssignment

Information describing the IAM policy assignment.

Type: IAMPolicyAssignment object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeIngestion

Describes a SPICE ingestion.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId/ingestions/IngestionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID of the dataset used in the ingestion.

Required: Yes

IngestionId

An ID for the ingestion.

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Ingestion": {
      "Arn": "string",
      "CreatedTime": number,
      "ErrorInfo": {
         "Message": "string",
         "Type": "string"
      },
      "IngestionId": "string",
      "IngestionSizeInBytes": number,
      "IngestionStatus": "string",
      "IngestionTimeInSeconds": number,
      "QueueInfo": {
         "QueuedIngestion": "string",
         "WaitingOnIngestion": "string"
      },
      "RequestSource": "string",
      "RequestType": "string",
      "RowInfo": {
         "RowsDropped": number,
         "RowsIngested": number,
         "TotalRowsInDataset": number
      }
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Ingestion

Information about the ingestion.

Type: Ingestion object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeIngestion.

Sample Request

```
GET /accounts/*AwsAccountId*/data-sets/*DataSetID*/ingestions/*IngestionID* HTTP/1.1
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeIpRestriction

Provides a summary and status of IP rules.

Request Syntax

```
GET /accounts/AwsAccountId/ip-restriction HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the IP rules.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AwsAccountId": "string",
   "Enabled": boolean,
   "IpRestrictionRuleMap": {
      "string" : "string"
   },
   "RequestId": "string",
   "VpcEndpointIdRestrictionRuleMap": {
      "string" : "string"
   },
   "VpcIdRestrictionRuleMap": {
```

```
        "string" : "string"
    }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AwsAccountId

The ID of the Amazon account that contains the IP rules.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Enabled

A value that specifies whether IP rules are turned on.

Type: Boolean

IpRestrictionRuleMap

A map that describes the IP rules with CIDR range and description.

Type: String to string map

Key Pattern: `^(([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])(\/(3[0-2]|[1-2][0-9]|[1-9]))$`

Value Length Constraints: Minimum length of 0. Maximum length of 150.

RequestId

The Amazon request ID for this operation.

Type: String

VpcEndpointIdRestrictionRuleMap

A map of allowed VPC endpoint IDs and their rule descriptions.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `^vpce-[0-9a-z]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 150.

VpcIdRestrictionRuleMap

A map of allowed VPC IDs and their rule descriptions.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `^vpc-[0-9a-z]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 150.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeKeyRegistration

Describes all customer managed key registrations in a Amazon QuickSight account.

Request Syntax

```
GET /accounts/AwsAccountId/key-registration?default-key-only=DefaultKeyOnly HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the customer managed key registration that you want to describe.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DefaultKeyOnly

Determines whether the request returns the default key only.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AwsAccountId": "string",
   "KeyRegistration": [
      {
```

```
            "DefaultKey": boolean,
            "KeyArn": "string"
        }
    ],
    "RequestId": "string",
    "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AwsAccountId

The ID of the Amazon account that contains the customer managed key registration specified in the request.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

KeyRegistration

A list of `RegisteredCustomerManagedKey` objects in a Amazon QuickSight account.

Type: Array of RegisteredCustomerManagedKey objects

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeNamespace

Describes the current namespace.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the Amazon QuickSight namespace that you want to describe.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that you want to describe.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Namespace": {
      "Arn": "string",
      "CapacityRegion": "string",
      "CreationStatus": "string",
      "IamIdentityCenterApplicationArn": "string",
      "IamIdentityCenterInstanceArn": "string",
      "IdentityStore": "string",
      "Name": "string",
      "NamespaceError": {
         "Message": "string",
         "Type": "string"
      }
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Namespace

The information about the namespace that you're describing. The response includes the namespace ARN, name, Amazon Web Services Region, creation status, and identity store. `DescribeNamespace` also works for namespaces that are in the process of being created. For incomplete namespaces, this API operation lists the namespace error types and messages associated with the creation process.

Type: NamespaceInfoV2 object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeQPersonalizationConfiguration

Describes a personalization configuration.

Request Syntax

```
GET /accounts/AwsAccountId/q-personalization-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the personalization configuration that the user wants described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "PersonalizationMode": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

PersonalizationMode

A value that indicates whether personalization is enabled or not.

Type: String

Valid Values: `ENABLED | DISABLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeQuickSightQSearchConfiguration

Describes the state of a Amazon QuickSight Q Search configuration.

Request Syntax

```
GET /accounts/AwsAccountId/quicksight-q-search-configuration HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the Amazon QuickSight Q Search configuration that the user wants described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "QSearchStatus": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

QSearchStatus

The status of Amazon QuickSight Q Search configuration.

Type: String

Valid Values: `ENABLED | DISABLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeRefreshSchedule

Provides a summary of a refresh schedule.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId/refresh-schedules/ScheduleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

ScheduleId

The ID of the refresh schedule.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Arn": "string",
   "RefreshSchedule": {
      "Arn": "string",
      "RefreshType": "string",
      "ScheduleFrequency": {
         "Interval": "string",
         "RefreshOnDay": {
            "DayOfMonth": "string",
            "DayOfWeek": "string"
         },
         "TimeOfTheDay": "string",
         "Timezone": "string"
      },
      "ScheduleId": "string",
      "StartAfterDateTime": number
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the refresh schedule.

Type: String

RefreshSchedule

The refresh schedule.

Type: RefreshSchedule object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeRoleCustomPermission

Describes all custom permissions that are mapped to a role.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/roles/Role/custom-permission HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to create a group in. The Amazon account ID that you provide must be the same Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that contains the role.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Role

The name of the role whose permissions you want described.

Valid Values: `ADMIN | AUTHOR | READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CustomPermissionsName": "string",
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CustomPermissionsName

The name of the custom permission that is described.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTemplate

Describes a template's metadata.

Request Syntax

```
GET /accounts/AwsAccountId/templates/TemplateId?alias-name=AliasName&version-
number=VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The alias of the template that you want to describe. If you name a specific alias, you describe the version that the alias points to. You can specify the latest version of the template by providing the keyword $LATEST in the AliasName parameter. The keyword $PUBLISHED doesn't apply to templates.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: [\w\-]+|(\$LATEST)|(\$PUBLISHED)

AwsAccountId

The ID of the Amazon account that contains the template that you're describing.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

VersionNumber

(Optional) The number for the version to describe. If a `VersionNumber` parameter value isn't provided, the latest version of the template is described.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "Template": {
      "Arn": "string",
      "CreatedTime": number,
      "LastUpdatedTime": number,
      "Name": "string",
      "TemplateId": "string",
      "Version": {
         "CreatedTime": number,
         "DataSetConfigurations": [
            {
               "ColumnGroupSchemaList": [
                  {
                     "ColumnGroupColumnSchemaList": [
                        {
                           "Name": "string"
                        }
                     ],
                     "Name": "string"
                  }
               ],
               "DataSetSchema": {
                  "ColumnSchemaList": [
                     {
                        "DataType": "string",
                        "GeographicRole": "string",
```

```
                        "Name": "string"
                     }
                  ]
               },
               "Placeholder": "string"
            }
         ],
         "Description": "string",
         "Errors": [
            {
               "Message": "string",
               "Type": "string",
               "ViolatedEntities": [
                  {
                     "Path": "string"
                  }
               ]
            }
         ],
         "Sheets": [
            {
               "Images": [
                  {
                     "Actions": [
                        {
                           "ActionOperations": [
                              {
                                 "NavigationOperation": {
                                    "LocalNavigationConfiguration": {
                                       "TargetSheetId": "string"
                                    }
                                 },
                                 "SetParametersOperation": {
                                    "ParameterValueConfigurations": [
                                       {
                                          "DestinationParameterName": "string",
                                          "Value": {
                                             "CustomValuesConfiguration": {
                                                "CustomValues": {
                                                   "DateTimeValues": [ number ],
                                                   "DecimalValues": [ number ],
                                                   "IntegerValues": [ number ],
                                                   "StringValues": [ "string" ]
                                                },
```

```
                                    "IncludeNullValue": boolean
                                 },
                                 "SelectAllValueOptions": "string",
                                 "SourceColumn": {
                                    "ColumnName": "string",
                                    "DataSetIdentifier": "string"
                                 },
                                 "SourceField": "string",
                                 "SourceParameterName": "string"
                              }
                           }
                        ]
                     },
                     "URLOperation": {
                        "URLTarget": "string",
                        "URLTemplate": "string"
                     }
                  }
               ],
               "CustomActionId": "string",
               "Name": "string",
               "Status": "string",
               "Trigger": "string"
            }
         ],
         "ImageContentAltText": "string",
         "Interactions": {
            "ImageMenuOption": {
               "AvailabilityStatus": "string"
            }
         },
         "Scaling": {
            "ScalingType": "string"
         },
         "SheetImageId": "string",
         "Source": {
            "SheetImageStaticFileSource": {
               "StaticFileId": "string"
            }
         },
         "Tooltip": {
            "TooltipText": {
               "PlainText": "string"
            },
```

```
                        "Visibility": "string"
                    }
                }
            ],
            "Name": "string",
            "SheetId": "string"
        }
    ],
    "SourceEntityArn": "string",
    "Status": "string",
    "ThemeArn": "string",
    "VersionNumber": number
  }
 }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Template

The template structure for the object you want to describe.

Type: Template object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTemplateAlias

Describes the template alias for a template.

Request Syntax

```
GET /accounts/AwsAccountId/templates/TemplateId/aliases/AliasName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The name of the template alias that you want to describe. If you name a specific alias, you describe the version that the alias points to. You can specify the latest version of the template by providing the keyword $LATEST in the AliasName parameter. The keyword $PUBLISHED doesn't apply to templates.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: [\w\-]+|(\$LATEST)|(\$PUBLISHED)

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the template alias that you're describing.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "TemplateAlias": {
      "AliasName": "string",
      "Arn": "string",
      "TemplateVersionNumber": number
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

TemplateAlias

Information about the template alias.

Type: TemplateAlias object

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTemplateDefinition

Provides a detailed description of the definition of a template.

> **Note**
>
> If you do not need to know details about the content of a template, for instance if you are trying to check the status of a recently created or updated template, use the `DescribeTemplate` instead.

Request Syntax

```
GET /accounts/AwsAccountId/templates/TemplateId/definition?alias-
name=AliasName&version-number=VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The alias of the template that you want to describe. If you name a specific alias, you describe the version that the alias points to. You can specify the latest version of the template by providing the keyword `$LATEST` in the `AliasName` parameter. The keyword `$PUBLISHED` doesn't apply to templates.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

AwsAccountId

The ID of the Amazon account that contains the template. You must be using the Amazon account that the template is in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

The ID of the template that you're describing.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version number of the template.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetConfigurations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
```

```
            "CustomActionDefaults": { ... },
            "ExcludedDataSetArns": [ "string" ],
            "QBusinessInsightsStatus": "string",
            "Timezone": "string",
            "WeekStart": "string"
         },
         "ParameterDeclarations": [
            { ... }
         ],
         "QueryExecutionOptions": {
            "QueryExecutionMode": "string"
         },
         "Sheets": [
            { ... }
         ],
         "StaticFiles": [
            { ... }
         ]
      },
      "Errors": [
         {
            "Message": "string",
            "Type": "string",
            "ViolatedEntities": [
               {
                  "Path": "string"
               }
            ]
         }
      ],
      "Name": "string",
      "RequestId": "string",
      "ResourceStatus": "string",
      "TemplateId": "string",
      "ThemeArn": "string"
}
```


Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Definition

The definition of the template.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Type: TemplateVersionDefinition object

Errors

Errors associated with the template version.

Type: Array of TemplateError objects

Array Members: Minimum number of 1 item.

Name

The descriptive name of the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

RequestId

The Amazon request ID for this operation.

Type: String

ResourceStatus

Status associated with the template.

- `CREATION_IN_PROGRESS`
- `CREATION_SUCCESSFUL`
- `CREATION_FAILED`
- `UPDATE_IN_PROGRESS`
- `UPDATE_SUCCESSFUL`
- `UPDATE_FAILED`
- `DELETED`

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

TemplateId

The ID of the template described.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

ThemeArn

The ARN of the theme of the template.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2

- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTemplatePermissions

Describes read and write permissions on a template.

Request Syntax

```
GET /accounts/AwsAccountId/templates/TemplateId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the template that you're describing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
```

```
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string",
   "TemplateArn": "string",
   "TemplateId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Permissions

A list of resource permissions to be set on the template.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

TemplateArn

The Amazon Resource Name (ARN) of the template.

Type: String

TemplateId

The ID for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTheme

Describes a theme.

Request Syntax

```
GET /accounts/AwsAccountId/themes/ThemeId?alias-name=AliasName&version-
number=VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The alias of the theme that you want to describe. If you name a specific alias, you describe the version that the alias points to. You can specify the latest version of the theme by providing the keyword `$LATEST` in the `AliasName` parameter. The keyword `$PUBLISHED` doesn't apply to themes.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

AwsAccountId

The ID of the Amazon account that contains the theme that you're describing.

Pattern: `^(aws|[0-9]{12})$`

Required: Yes

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version number for the version to describe. If a `VersionNumber` parameter value isn't provided, the latest version of the theme is described.

Valid Range: Minimum value of 1.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "Theme": {
      "Arn": "string",
      "CreatedTime": number,
      "LastUpdatedTime": number,
      "Name": "string",
      "ThemeId": "string",
      "Type": "string",
      "Version": {
         "Arn": "string",
         "BaseThemeId": "string",
         "Configuration": {
            "DataColorPalette": {
               "Colors": [ "string" ],
               "EmptyFillColor": "string",
               "MinMaxGradient": [ "string" ]
            },
            "Sheet": {
               "Tile": {
                  "Border": {
                     "Show": boolean
                  }
               },
               "TileLayout": {
                  "Gutter": {
                     "Show": boolean
```

```
                },
                "Margin": {
                   "Show": boolean
                }
             }
          },
          "Typography": {
             "FontFamilies": [
                {
                   "FontFamily": "string"
                }
             ]
          },
          "UIColorPalette": {
             "Accent": "string",
             "AccentForeground": "string",
             "Danger": "string",
             "DangerForeground": "string",
             "Dimension": "string",
             "DimensionForeground": "string",
             "Measure": "string",
             "MeasureForeground": "string",
             "PrimaryBackground": "string",
             "PrimaryForeground": "string",
             "SecondaryBackground": "string",
             "SecondaryForeground": "string",
             "Success": "string",
             "SuccessForeground": "string",
             "Warning": "string",
             "WarningForeground": "string"
          }
       },
       "CreatedTime": number,
       "Description": "string",
       "Errors": [
          {
             "Message": "string",
             "Type": "string"
          }
       ],
       "Status": "string",
       "VersionNumber": number
    }
 }
```

```
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Theme

The information about the theme that you are describing.

Type: Theme object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2

- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeThemeAlias

Describes the alias for a theme.

Request Syntax

```
GET /accounts/AwsAccountId/themes/ThemeId/aliases/AliasName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The name of the theme alias that you want to describe.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the theme alias that you're describing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "ThemeAlias": {
      "AliasName": "string",
      "Arn": "string",
      "ThemeVersionNumber": number
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

ThemeAlias

Information about the theme alias.

Type: ThemeAlias object

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeThemePermissions

Describes the read and write permissions for a theme.

Request Syntax

```
GET /accounts/AwsAccountId/themes/ThemeId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the theme that you're describing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

The ID for the theme that you want to describe permissions for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Permissions": [
```

```
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string",
   "ThemeArn": "string",
   "ThemeId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Permissions

A list of resource permissions set on the theme.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

ThemeArn

The Amazon Resource Name (ARN) of the theme.

Type: String

ThemeId

The ID for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTopic

Describes a topic.

Request Syntax

```
GET /accounts/AwsAccountId/topics/TopicId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID of the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
```

```
   "RequestId": "string",
   "Topic": {
      "ConfigOptions": {
         "QBusinessInsightsEnabled": boolean
      },
      "DataSets": [
         {
            "CalculatedFields": [
               {
                  "Aggregation": "string",
                  "AllowedAggregations": [ "string" ],
                  "CalculatedFieldDescription": "string",
                  "CalculatedFieldName": "string",
                  "CalculatedFieldSynonyms": [ "string" ],
                  "CellValueSynonyms": [
                     {
                        "CellValue": "string",
                        "Synonyms": [ "string" ]
                     }
                  ],
                  "ColumnDataRole": "string",
                  "ComparativeOrder": {
                     "SpecifedOrder": [ "string" ],
                     "TreatUndefinedSpecifiedValues": "string",
                     "UseOrdering": "string"
                  },
                  "DefaultFormatting": {
                     "DisplayFormat": "string",
                     "DisplayFormatOptions": {
                        "BlankCellFormat": "string",
                        "CurrencySymbol": "string",
                        "DateFormat": "string",
                        "DecimalSeparator": "string",
                        "FractionDigits": number,
                        "GroupingSeparator": "string",
                        "NegativeFormat": {
                           "Prefix": "string",
                           "Suffix": "string"
                        },
                        "Prefix": "string",
                        "Suffix": "string",
                        "UnitScaler": "string",
                        "UseBlankCellFormat": boolean,
                        "UseGrouping": boolean
```

```
            }
         },
         "DisableIndexing": boolean,
         "Expression": "string",
         "IsIncludedInTopic": boolean,
         "NeverAggregateInFilter": boolean,
         "NonAdditive": boolean,
         "NotAllowedAggregations": [ "string" ],
         "SemanticType": {
            "FalseyCellValue": "string",
            "FalseyCellValueSynonyms": [ "string" ],
            "SubTypeName": "string",
            "TruthyCellValue": "string",
            "TruthyCellValueSynonyms": [ "string" ],
            "TypeName": "string",
            "TypeParameters": {
               "string" : "string"
            }
         },
         "TimeGranularity": "string"
      }
   ],
   "Columns": [
      {
         "Aggregation": "string",
         "AllowedAggregations": [ "string" ],
         "CellValueSynonyms": [
            {
               "CellValue": "string",
               "Synonyms": [ "string" ]
            }
         ],
         "ColumnDataRole": "string",
         "ColumnDescription": "string",
         "ColumnFriendlyName": "string",
         "ColumnName": "string",
         "ColumnSynonyms": [ "string" ],
         "ComparativeOrder": {
            "SpecifedOrder": [ "string" ],
            "TreatUndefinedSpecifiedValues": "string",
            "UseOrdering": "string"
         },
         "DefaultFormatting": {
            "DisplayFormat": "string",
```

```
                  "DisplayFormatOptions": {
                     "BlankCellFormat": "string",
                     "CurrencySymbol": "string",
                     "DateFormat": "string",
                     "DecimalSeparator": "string",
                     "FractionDigits": number,
                     "GroupingSeparator": "string",
                     "NegativeFormat": {
                        "Prefix": "string",
                        "Suffix": "string"
                     },
                     "Prefix": "string",
                     "Suffix": "string",
                     "UnitScaler": "string",
                     "UseBlankCellFormat": boolean,
                     "UseGrouping": boolean
                  }
               },
               "DisableIndexing": boolean,
               "IsIncludedInTopic": boolean,
               "NeverAggregateInFilter": boolean,
               "NonAdditive": boolean,
               "NotAllowedAggregations": [ "string" ],
               "SemanticType": {
                  "FalseyCellValue": "string",
                  "FalseyCellValueSynonyms": [ "string" ],
                  "SubTypeName": "string",
                  "TruthyCellValue": "string",
                  "TruthyCellValueSynonyms": [ "string" ],
                  "TypeName": "string",
                  "TypeParameters": {
                     "string" : "string"
                  }
               },
               "TimeGranularity": "string"
            }
         ],
         "DataAggregation": {
            "DatasetRowDateGranularity": "string",
            "DefaultDateColumnName": "string"
         },
         "DatasetArn": "string",
         "DatasetDescription": "string",
         "DatasetName": "string",
```

```
            "Filters": [
               {
                  "CategoryFilter": {
                     "CategoryFilterFunction": "string",
                     "CategoryFilterType": "string",
                     "Constant": {
                        "CollectiveConstant": {
                           "ValueList": [ "string" ]
                        },
                        "ConstantType": "string",
                        "SingularConstant": "string"
                     },
                     "Inverse": boolean
                  },
                  "DateRangeFilter": {
                     "Constant": {
                        "ConstantType": "string",
                        "RangeConstant": {
                           "Maximum": "string",
                           "Minimum": "string"
                        }
                     },
                     "Inclusive": boolean
                  },
                  "FilterClass": "string",
                  "FilterDescription": "string",
                  "FilterName": "string",
                  "FilterSynonyms": [ "string" ],
                  "FilterType": "string",
                  "NumericEqualityFilter": {
                     "Aggregation": "string",
                     "Constant": {
                        "ConstantType": "string",
                        "SingularConstant": "string"
                     }
                  },
                  "NumericRangeFilter": {
                     "Aggregation": "string",
                     "Constant": {
                        "ConstantType": "string",
                        "RangeConstant": {
                           "Maximum": "string",
                           "Minimum": "string"
                        }
```

```
                    },
                    "Inclusive": boolean
                },
                "OperandFieldName": "string",
                "RelativeDateFilter": {
                    "Constant": {
                        "ConstantType": "string",
                        "SingularConstant": "string"
                    },
                    "RelativeDateFilterFunction": "string",
                    "TimeGranularity": "string"
                }
            }
        ],
        "NamedEntities": [
            {
                "Definition": [
                    {
                        "FieldName": "string",
                        "Metric": {
                            "Aggregation": "string",
                            "AggregationFunctionParameters": {
                                "string" : "string"
                            }
                        },
                        "PropertyName": "string",
                        "PropertyRole": "string",
                        "PropertyUsage": "string"
                    }
                ],
                "EntityDescription": "string",
                "EntityName": "string",
                "EntitySynonyms": [ "string" ],
                "SemanticEntityType": {
                    "SubTypeName": "string",
                    "TypeName": "string",
                    "TypeParameters": {
                        "string" : "string"
                    }
                }
            }
        ]
    }
],
```

```
      "Description": "string",
      "Name": "string",
      "UserExperienceVersion": "string"
   },
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the topic.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Topic

The definition of a topic.

Type: TopicDetails object

TopicId

The ID of the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeTopic.

Sample Request

```
GET /accounts/{AwsAccountId}/topics/{TopicId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTopicPermissions

Describes the permissions of a topic.

Request Syntax

```
GET /accounts/AwsAccountId/topics/TopicId/permissions HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic that you want described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID of the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Permissions

A list of resource permissions that are configured to the topic.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeTopicPermissions.

Sample Request

```
GET /accounts/{AwsAccountId}/topics/{TopicId}/permissions HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTopicRefresh

Describes the status of a topic refresh.

Request Syntax

```
GET /accounts/AwsAccountId/topics/TopicId/refresh/RefreshId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic whose refresh you want to describe.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

RefreshId

The ID of the refresh, which is performed when the topic is created or updated.

Required: Yes

TopicId

The ID of the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RefreshDetails": {
      "RefreshArn": "string",
      "RefreshId": "string",
      "RefreshStatus": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RefreshDetails

Details of the refresh, which is performed when the topic is created or updated.

Type: TopicRefreshDetails object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeTopicRefresh.

Sample Request

```
GET /accounts/{AwsAccountId}/topics/{TopicId}/refresh/{RefreshId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeTopicRefreshSchedule

Deletes a topic refresh schedule.

Request Syntax

```
GET /accounts/AwsAccountId/topics/TopicId/schedules/DatasetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DatasetId

The ID of the dataset.

Required: Yes

TopicId

The ID of the topic that contains the refresh schedule that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DatasetArn": "string",
   "RefreshSchedule": {
      "BasedOnSpiceSchedule": boolean,
      "IsEnabled": boolean,
      "RepeatAt": "string",
      "StartingAt": number,
      "Timezone": "string",
      "TopicScheduleType": "string"
   },
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

RefreshSchedule

The definition of a refresh schedule.

Type: TopicRefreshSchedule object

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic that contains the refresh schedule that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of DescribeTopicRefreshSchedule.

Sample Request

```
GET /accounts/{AwsAccountId}/topics/{TopicId}/schedules/{ScheduleId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeUser

Returns information about a user, given the user name.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/users/UserName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

UserName

The name of the user that you want to describe.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "User": {
      "Active": boolean,
      "Arn": "string",
      "CustomPermissionsName": "string",
      "Email": "string",
      "ExternalLoginFederationProviderType": "string",
      "ExternalLoginFederationProviderUrl": "string",
      "ExternalLoginId": "string",
      "IdentityType": "string",
      "PrincipalId": "string",
      "Role": "string",
      "UserName": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

User

The user name.

Type: User object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

DescribeVPCConnection

Describes a VPC connection.

Request Syntax

```
GET /accounts/AwsAccountId/vpc-connections/VPCConnectionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID of the account that contains the VPC connection that you want described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

VPCConnectionId

The ID of the VPC connection that you're creating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "RequestId": "string",
   "Status": number,
   "VPCConnection": {
      "Arn": "string",
      "AvailabilityStatus": "string",
      "CreatedTime": number,
      "DnsResolvers": [ "string" ],
      "LastUpdatedTime": number,
      "Name": "string",
      "NetworkInterfaces": [
         {
            "AvailabilityZone": "string",
            "ErrorMessage": "string",
            "NetworkInterfaceId": "string",
            "Status": "string",
            "SubnetId": "string"
         }
      ],
      "RoleArn": "string",
      "SecurityGroupIds": [ "string" ],
      "Status": "string",
      "VPCConnectionId": "string",
      "VPCId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

VPCConnection

A response object that provides information for the specified VPC connection.

Type: VPCConnection object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

GenerateEmbedUrlForAnonymousUser

Generates an embed URL that you can use to embed an Amazon QuickSight dashboard or visual in your website, without having to register any reader users. Before you use this action, make sure that you have configured the dashboards and permissions.

The following rules apply to the generated URL:

- It contains a temporary bearer token. It is valid for 5 minutes after it is generated. Once redeemed within this period, it cannot be re-used again.
- The URL validity period should not be confused with the actual session lifetime that can be customized using the `SessionLifetimeInMinutes` parameter. The resulting user session is valid for 15 minutes (minimum) to 10 hours (maximum). The default session duration is 10 hours.
- You are charged only when the URL is used or there is interaction with Amazon QuickSight.

For more information, see Embedded Analytics in the *Amazon QuickSight User Guide*.

For more information about the high-level steps for embedding and for an interactive demo of the ways you can customize embedding, visit the Amazon QuickSight Developer Portal.

Request Syntax

```
POST /accounts/AwsAccountId/embed-url/anonymous-user HTTP/1.1
Content-type: application/json

{
   "AllowedDomains": [ "string" ],
   "AuthorizedResourceArns": [ "string" ],
   "ExperienceConfiguration": {
      "Dashboard": {
         "DisabledFeatures": [ "string" ],
         "EnabledFeatures": [ "string" ],
         "FeatureConfigurations": {
            "SharedView": {
               "Enabled": boolean
            }
         },
         "InitialDashboardId": "string"
      },
```

```
      "DashboardVisual": {
         "InitialDashboardVisualId": {
            "DashboardId": "string",
            "SheetId": "string",
            "VisualId": "string"
         }
      },
      "GenerativeQnA": {
         "InitialTopicId": "string"
      },
      "QSearchBar": {
         "InitialTopicId": "string"
      }
   },
   "Namespace": "string",
   "SessionLifetimeInMinutes": number,
   "SessionTags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon Web Services account that contains the dashboard that you're embedding.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AuthorizedResourceArns

The Amazon Resource Names (ARNs) for the Amazon QuickSight resources that the user is authorized to access during the lifetime of the session.

If you choose `Dashboard` embedding experience, pass the list of dashboard ARNs in the account that you want the user to be able to view.

If you want to make changes to the theme of your embedded content, pass a list of theme ARNs that the anonymous users need access to.

Currently, you can pass up to 25 theme ARNs in each API call.

Type: Array of strings

Required: Yes

ExperienceConfiguration

The configuration of the experience that you are embedding.

Type: AnonymousUserEmbeddingExperienceConfiguration object

Required: Yes

Namespace

The Amazon QuickSight namespace that the anonymous user virtually belongs to. If you are not using an Amazon QuickSight custom namespace, set this to `default`.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

AllowedDomains

The domains that you want to add to the allow list for access to the generated URL that is then embedded. This optional parameter overrides the static domains that are configured in the Manage QuickSight menu in the Amazon QuickSight console. Instead, it allows only the domains that you include in this parameter. You can list up to three domains or subdomains in each API call.

To include all subdomains under a specific domain to the allow list, use `*`. For example, `https://*.sapp.amazon.com` includes all subdomains under `https://sapp.amazon.com`.

Type: Array of strings

Required: No

SessionLifetimeInMinutes

How many minutes the session is valid. The session lifetime must be in [15-600] minutes range.

Type: Long

Valid Range: Minimum value of 15. Maximum value of 600.

Required: No

SessionTags

The session tags used for row-level security. Before you use this parameter, make sure that you have configured the relevant datasets using the `DataSet $RowLevelPermissionTagConfiguration` parameter so that session tags can be used to provide row-level security.

These are not the tags used for the Amazon resource tagging feature. For more information, see Using Row-Level Security (RLS) with Tagsin the *Amazon QuickSight User Guide*.

Type: Array of SessionTag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnonymousUserArn": "string",
   "EmbedUrl": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnonymousUserArn

The Amazon Resource Name (ARN) to use for the anonymous Amazon QuickSight user.

Type: String

EmbedUrl

The embed URL for the dashboard.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

SessionLifetimeInMinutesInvalidException

The number of minutes specified for the lifetime of a session isn't valid. The session lifetime must be 15-600 minutes.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedPricingPlanException

This error indicates that you are calling an embedding operation in Amazon QuickSight without the required pricing plan on your Amazon account. Before you can use embedding for anonymous users, a QuickSight administrator needs to add capacity pricing to Amazon QuickSight. You can do this on the **Manage Amazon QuickSight** page.

After capacity pricing is added, you can use the `GetDashboardEmbedUrl` API operation with the `--identity-type ANONYMOUS` option.

HTTP Status Code: 403

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

GenerateEmbedUrlForRegisteredUser

Generates an embed URL that you can use to embed an Amazon QuickSight experience in your website. This action can be used for any type of user registered in an Amazon QuickSight account. Before you use this action, make sure that you have configured the relevant Amazon QuickSight resource and permissions.

The following rules apply to the generated URL:

- It contains a temporary bearer token. It is valid for 5 minutes after it is generated. Once redeemed within this period, it cannot be re-used again.
- The URL validity period should not be confused with the actual session lifetime that can be customized using the `SessionLifetimeInMinutes` parameter.

  The resulting user session is valid for 15 minutes (minimum) to 10 hours (maximum). The default session duration is 10 hours.
- You are charged only when the URL is used or there is interaction with Amazon QuickSight.

For more information, see Embedded Analytics in the *Amazon QuickSight User Guide*.

For more information about the high-level steps for embedding and for an interactive demo of the ways you can customize embedding, visit the Amazon QuickSight Developer Portal.

Request Syntax

```
POST /accounts/AwsAccountId/embed-url/registered-user HTTP/1.1
Content-type: application/json

{
   "AllowedDomains": [ "string" ],
   "ExperienceConfiguration": {
      "Dashboard": {
         "FeatureConfigurations": {
            "AmazonQInQuickSight": {
               "ExecutiveSummary": {
                  "Enabled": boolean
               }
            },
            "Bookmarks": {
               "Enabled": boolean
            },
```

```
            "RecentSnapshots": {
               "Enabled": boolean
            },
            "Schedules": {
               "Enabled": boolean
            },
            "SharedView": {
               "Enabled": boolean
            },
            "StatePersistence": {
               "Enabled": boolean
            },
            "ThresholdAlerts": {
               "Enabled": boolean
            }
         },
         "InitialDashboardId": "string"
      },
      "DashboardVisual": {
         "InitialDashboardVisualId": {
            "DashboardId": "string",
            "SheetId": "string",
            "VisualId": "string"
         }
      },
      "GenerativeQnA": {
         "InitialTopicId": "string"
      },
      "QSearchBar": {
         "InitialTopicId": "string"
      },
      "QuickSightConsole": {
         "FeatureConfigurations": {
            "AmazonQInQuickSight": {
               "DataQnA": {
                  "Enabled": boolean
               },
               "DataStories": {
                  "Enabled": boolean
               },
               "ExecutiveSummary": {
                  "Enabled": boolean
               },
               "GenerativeAuthoring": {
```

```
                    "Enabled": boolean
                }
            },
            "RecentSnapshots": {
                "Enabled": boolean
            },
            "Schedules": {
                "Enabled": boolean
            },
            "SharedView": {
                "Enabled": boolean
            },
            "StatePersistence": {
                "Enabled": boolean
            },
            "ThresholdAlerts": {
                "Enabled": boolean
            }
        },
        "InitialPath": "string"
    }
  },
  "SessionLifetimeInMinutes": number,
  "UserArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon Web Services account that contains the dashboard that you're embedding.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ExperienceConfiguration

The experience that you want to embed. For registered users, you can embed Amazon QuickSight dashboards, Amazon QuickSight visuals, the Amazon QuickSight Q search bar, the Amazon QuickSight Generative Q&A experience, or the entire Amazon QuickSight console.

Type: RegisteredUserEmbeddingExperienceConfiguration object

Required: Yes

UserArn

The Amazon Resource Name for the registered user.

Type: String

Required: Yes

AllowedDomains

The domains that you want to add to the allow list for access to the generated URL that is then embedded. This optional parameter overrides the static domains that are configured in the Manage QuickSight menu in the Amazon QuickSight console. Instead, it allows only the domains that you include in this parameter. You can list up to three domains or subdomains in each API call.

To include all subdomains under a specific domain to the allow list, use `*`. For example, `https://*.sapp.amazon.com` includes all subdomains under `https://sapp.amazon.com`.

Type: Array of strings

Required: No

SessionLifetimeInMinutes

How many minutes the session is valid. The session lifetime must be in [15-600] minutes range.

Type: Long

Valid Range: Minimum value of 15. Maximum value of 600.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "EmbedUrl": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

EmbedUrl

The embed URL for the Amazon QuickSight dashboard, visual, Q search bar, Generative Q&A experience, or console.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

QuickSightUserNotFoundException

The user with the provided name isn't found. This error can happen in any operation that requires finding a user based on a provided user name, such as `DeleteUser`, `DescribeUser`, and so on.

HTTP Status Code: 404

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

SessionLifetimeInMinutesInvalidException

The number of minutes specified for the lifetime of a session isn't valid. The session lifetime must be 15-600 minutes.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedPricingPlanException

This error indicates that you are calling an embedding operation in Amazon QuickSight without the required pricing plan on your Amazon account. Before you can use embedding

for anonymous users, a QuickSight administrator needs to add capacity pricing to Amazon QuickSight. You can do this on the **Manage Amazon QuickSight** page.

After capacity pricing is added, you can use the `GetDashboardEmbedUrl` API operation with the `--identity-type ANONYMOUS` option.

HTTP Status Code: 403

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

GenerateEmbedUrlForRegisteredUserWithIdentity

Generates an embed URL that you can use to embed an Amazon QuickSight experience in your website. This action can be used for any type of user that is registered in an Amazon QuickSight account that uses IAM Identity Center for authentication. This API requires identity-enhanced IAM Role sessions for the authenticated user that the API call is being made for.

This API uses trusted identity propagation to ensure that an end user is authenticated and receives the embed URL that is specific to that user. The IAM Identity Center application that the user has logged into needs to have trusted Identity Propagation enabled for Amazon QuickSight with the scope value set to `quicksight:read`. Before you use this action, make sure that you have configured the relevant Amazon QuickSight resource and permissions.

Request Syntax

```
POST /accounts/AwsAccountId/embed-url/registered-user-with-identity HTTP/1.1
Content-type: application/json

{
   "AllowedDomains": [ "string" ],
   "ExperienceConfiguration": {
      "Dashboard": {
         "FeatureConfigurations": {
            "AmazonQInQuickSight": {
               "ExecutiveSummary": {
                  "Enabled": boolean
               }
            },
            "Bookmarks": {
               "Enabled": boolean
            },
            "RecentSnapshots": {
               "Enabled": boolean
            },
            "Schedules": {
               "Enabled": boolean
            },
            "SharedView": {
               "Enabled": boolean
            },
            "StatePersistence": {
               "Enabled": boolean
```

```
            },
            "ThresholdAlerts": {
               "Enabled": boolean
            }
         },
         "InitialDashboardId": "string"
      },
      "DashboardVisual": {
         "InitialDashboardVisualId": {
            "DashboardId": "string",
            "SheetId": "string",
            "VisualId": "string"
         }
      },
      "GenerativeQnA": {
         "InitialTopicId": "string"
      },
      "QSearchBar": {
         "InitialTopicId": "string"
      },
      "QuickSightConsole": {
         "FeatureConfigurations": {
            "AmazonQInQuickSight": {
               "DataQnA": {
                  "Enabled": boolean
               },
               "DataStories": {
                  "Enabled": boolean
               },
               "ExecutiveSummary": {
                  "Enabled": boolean
               },
               "GenerativeAuthoring": {
                  "Enabled": boolean
               }
            },
            "RecentSnapshots": {
               "Enabled": boolean
            },
            "Schedules": {
               "Enabled": boolean
            },
            "SharedView": {
               "Enabled": boolean
```

```
            },
            "StatePersistence": {
               "Enabled": boolean
            },
            "ThresholdAlerts": {
               "Enabled": boolean
            }
         },
         "InitialPath": "string"
      }
   },
   "SessionLifetimeInMinutes": number
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon registered user.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ExperienceConfiguration

The type of experience you want to embed. For registered users, you can embed Amazon QuickSight dashboards or the Amazon QuickSight console.

> **Note**
>
> Exactly one of the experience configurations is required. You can choose `Dashboard` or `QuickSightConsole`. You cannot choose more than one experience configuration.

Type: RegisteredUserEmbeddingExperienceConfiguration object

Required: Yes

AllowedDomains

A list of domains to be allowed to generate the embed URL.

Type: Array of strings

Required: No

SessionLifetimeInMinutes

The validity of the session in minutes.

Type: Long

Valid Range: Minimum value of 15. Maximum value of 600.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "EmbedUrl": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

EmbedUrl

The generated embed URL for the registered user.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

QuickSightUserNotFoundException

The user with the provided name isn't found. This error can happen in any operation that requires finding a user based on a provided user name, such as `DeleteUser`, `DescribeUser`, and so on.

HTTP Status Code: 404

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

SessionLifetimeInMinutesInvalidException

The number of minutes specified for the lifetime of a session isn't valid. The session lifetime must be 15-600 minutes.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedPricingPlanException

This error indicates that you are calling an embedding operation in Amazon QuickSight without the required pricing plan on your Amazon account. Before you can use embedding for anonymous users, a QuickSight administrator needs to add capacity pricing to Amazon QuickSight. You can do this on the **Manage Amazon QuickSight** page.

After capacity pricing is added, you can use the `GetDashboardEmbedUrl` API operation with the `--identity-type ANONYMOUS` option.

HTTP Status Code: 403

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

GetDashboardEmbedUrl

Generates a temporary session URL and authorization code(bearer token) that you can use to embed an Amazon QuickSight read-only dashboard in your website or application. Before you use this command, make sure that you have configured the dashboards and permissions.

Currently, you can use `GetDashboardEmbedURL` only from the server, not from the user's browser. The following rules apply to the generated URL:

- They must be used together.
- They can be used one time only.
- They are valid for 5 minutes after you run this command.
- You are charged only when the URL is used or there is interaction with Amazon QuickSight.
- The resulting user session is valid for 15 minutes (default) up to 10 hours (maximum). You can use the optional `SessionLifetimeInMinutes` parameter to customize session duration.

For more information, see Embedding Analytics Using GetDashboardEmbedUrl in the *Amazon QuickSight User Guide*.

For more information about the high-level steps for embedding and for an interactive demo of the ways you can customize embedding, visit the Amazon QuickSight Developer Portal.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId/embed-url?additional-dashboard-ids=AdditionalDashboardIds&creds-type=IdentityType&namespace=Namespace&reset-disabled=ResetDisabled&session-lifetime=SessionLifetimeInMinutes&state-persistence-enabled=StatePersistenceEnabled&undo-redo-disabled=UndoRedoDisabled&user-arn=UserArn
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AdditionalDashboardIds

A list of one or more dashboard IDs that you want anonymous users to have tempporary access to. Currently, the `IdentityType` parameter must be set to `ANONYMOUS` because other identity

types authenticate as Amazon QuickSight or IAM users. For example, if you set "`--dashboard-id dash_id1 --dashboard-id dash_id2 dash_id3 identity-type ANONYMOUS`", the session can access all three dashboards.

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

AwsAccountId

The ID for the Amazon Web Services account that contains the dashboard that you're embedding.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard, also added to the Amazon Identity and Access Management (IAM) policy.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

IdentityType

The authentication method that the user uses to sign in.

Valid Values: `IAM | QUICKSIGHT | ANONYMOUS`

Required: Yes

Namespace

The Amazon QuickSight namespace that contains the dashboard IDs in this request. If you're not using a custom namespace, set `Namespace = default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

ResetDisabled

Remove the reset button on the embedded dashboard. The default is FALSE, which enables the reset button.

SessionLifetimeInMinutes

How many minutes the session is valid. The session lifetime must be 15-600 minutes.

Valid Range: Minimum value of 15. Maximum value of 600.

StatePersistenceEnabled

Adds persistence of state for the user session in an embedded dashboard. Persistence applies to the sheet and the parameter settings. These are control settings that the dashboard subscriber (Amazon QuickSight reader) chooses while viewing the dashboard. If this is set to `TRUE`, the settings are the same when the subscriber reopens the same dashboard URL. The state is stored in Amazon QuickSight, not in a browser cookie. If this is set to FALSE, the state of the user session is not persisted. The default is `FALSE`.

UndoRedoDisabled

Remove the undo/redo button on the embedded dashboard. The default is FALSE, which enables the undo/redo button.

UserArn

The Amazon QuickSight user's Amazon Resource Name (ARN), for use with `QUICKSIGHT` identity type. You can use this for any Amazon QuickSight users in your account (readers, authors, or admins) authenticated as one of the following:

- Active Directory (AD) users or group members
- Invited nonfederated users
- IAM users and IAM role-based sessions authenticated through Federated Single Sign-On using SAML, OpenID Connect, or IAM federation.

Omit this parameter for users in the third group – IAM users and IAM role-based sessions.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "EmbedUrl": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

EmbedUrl

A single-use URL that you can put into your server-side webpage to embed your dashboard. This URL is valid for 5 minutes. The API operation provides the URL with an `auth_code` value that enables one (and only one) sign-on to a user session that is valid for 10 hours.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

DomainNotWhitelistedException

The domain specified isn't on the allow list. All domains for embedded dashboards must be added to the approved list by an Amazon QuickSight admin.

HTTP Status Code: 403

IdentityTypeNotSupportedException

The identity type specified isn't supported. Supported identity types include `IAM` and `QUICKSIGHT`.

HTTP Status Code: 403

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

QuickSightUserNotFoundException

The user with the provided name isn't found. This error can happen in any operation that requires finding a user based on a provided user name, such as `DeleteUser`, `DescribeUser`, and so on.

HTTP Status Code: 404

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

SessionLifetimeInMinutesInvalidException

The number of minutes specified for the lifetime of a session isn't valid. The session lifetime must be 15-600 minutes.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedPricingPlanException

This error indicates that you are calling an embedding operation in Amazon QuickSight without the required pricing plan on your Amazon account. Before you can use embedding for anonymous users, a QuickSight administrator needs to add capacity pricing to Amazon QuickSight. You can do this on the **Manage Amazon QuickSight** page.

After capacity pricing is added, you can use the `GetDashboardEmbedUrl` API operation with the `--identity-type ANONYMOUS` option.

HTTP Status Code: 403

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

GetSessionEmbedUrl

Generates a session URL and authorization code that you can use to embed the Amazon Amazon QuickSight console in your web server code. Use `GetSessionEmbedUrl` where you want to provide an authoring portal that allows users to create data sources, datasets, analyses, and dashboards. The users who access an embedded Amazon QuickSight console need belong to the author or admin security cohort. If you want to restrict permissions to some of these features, add a custom permissions profile to the user with the `UpdateUser` API operation. Use `RegisterUser` API operation to add a new user with a custom permission profile attached. For more information, see the following sections in the *Amazon QuickSight User Guide*:

- Embedding Analytics
- Customizing Access to the Amazon QuickSight Console

Request Syntax

```
GET /accounts/AwsAccountId/session-embed-url?entry-point=EntryPoint&session-
lifetime=SessionLifetimeInMinutes&user-arn=UserArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon Web Services account associated with your Amazon QuickSight subscription.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

EntryPoint

The URL you use to access the embedded session. The entry point URL is constrained to the following paths:

- `/start`
- `/start/analyses`

- `/start/dashboards`
- `/start/favorites`
- `/dashboards/`*`DashboardId`* - where `DashboardId` is the actual ID key from the Amazon QuickSight console URL of the dashboard
- `/analyses/`*`AnalysisId`* - where `AnalysisId` is the actual ID key from the Amazon QuickSight console URL of the analysis

Length Constraints: Minimum length of 1. Maximum length of 1000.

SessionLifetimeInMinutes

How many minutes the session is valid. The session lifetime must be 15-600 minutes.

Valid Range: Minimum value of 15. Maximum value of 600.

UserArn

The Amazon QuickSight user's Amazon Resource Name (ARN), for use with `QUICKSIGHT` identity type. You can use this for any type of Amazon QuickSight users in your account (readers, authors, or admins). They need to be authenticated as one of the following:

1. Active Directory (AD) users or group members
2. Invited nonfederated users
3. IAM users and IAM role-based sessions authenticated through Federated Single Sign-On using SAML, OpenID Connect, or IAM federation

Omit this parameter for users in the third group, IAM users and IAM role-based sessions.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "EmbedUrl": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

EmbedUrl

A single-use URL that you can put into your server-side web page to embed your Amazon QuickSight session. This URL is valid for 5 minutes. The API operation provides the URL with an `auth_code` value that enables one (and only one) sign-on to a user session that is valid for 10 hours.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

QuickSightUserNotFoundException

The user with the provided name isn't found. This error can happen in any operation that requires finding a user based on a provided user name, such as `DeleteUser`, `DescribeUser`, and so on.

HTTP Status Code: 404

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

SessionLifetimeInMinutesInvalidException

The number of minutes specified for the lifetime of a session isn't valid. The session lifetime must be 15-600 minutes.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListAnalyses

Lists Amazon QuickSight analyses that exist in the specified Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/analyses?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the analyses.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

A pagination token that can be used in a subsequent request.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "AnalysisSummaryList": [
      {
         "AnalysisId": "string",
         "Arn": "string",
         "CreatedTime": number,
         "LastUpdatedTime": number,
         "Name": "string",
         "Status": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisSummaryList

Metadata describing each of the analyses that are listed.

Type: Array of AnalysisSummary objects

Array Members: Maximum number of 100 items.

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListAssetBundleExportJobs

Lists all asset bundle export jobs that have been taken place in the last 14 days. Jobs created more than 14 days ago are deleted forever and are not returned. If you are using the same job ID for multiple jobs, `ListAssetBundleExportJobs` only returns the most recent job that uses the repeated job ID.

Request Syntax

```
GET /accounts/AwsAccountId/asset-bundle-export-jobs?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the export jobs were executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "AssetBundleExportJobSummaryList": [
      {
         "Arn": "string",
         "AssetBundleExportJobId": "string",
         "CreatedTime": number,
         "ExportFormat": "string",
         "IncludeAllDependencies": boolean,
         "IncludePermissions": boolean,
         "IncludeTags": boolean,
         "JobStatus": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AssetBundleExportJobSummaryList

A list of export job summaries.

Type: Array of AssetBundleExportJobSummary objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListAssetBundleImportJobs

Lists all asset bundle import jobs that have taken place in the last 14 days. Jobs created more than 14 days ago are deleted forever and are not returned. If you are using the same job ID for multiple jobs, `ListAssetBundleImportJobs` only returns the most recent job that uses the repeated job ID.

Request Syntax

```
GET /accounts/AwsAccountId/asset-bundle-import-jobs?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the import jobs were executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "AssetBundleImportJobSummaryList": [
      {
         "Arn": "string",
         "AssetBundleImportJobId": "string",
         "CreatedTime": number,
         "FailureAction": "string",
         "JobStatus": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the response.

The following data is returned in JSON format by the service.

AssetBundleImportJobSummaryList

A list of import job summaries.

Type: Array of AssetBundleImportJobSummary objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListBrands

Lists all brands in an Amazon QuickSight account.

Request Syntax

```
GET /accounts/AwsAccountId/brands?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brands that you want to list.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned in a single request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Brands": [
```

```
      {
         "Arn": "string",
         "BrandId": "string",
         "BrandName": "string",
         "BrandStatus": "string",
         "CreatedTime": number,
         "Description": "string",
         "LastUpdatedTime": number
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Brands

A list of all brands in your Amazon account. This structure provides basic information about each brand.

Type: Array of BrandSummary objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListCustomPermissions

Returns a list of all the custom permissions profiles.

Request Syntax

```
GET /accounts/AwsAccountId/custom-permissions?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the custom permissions profiles that you want to list.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "CustomPermissionsList": [
      {
         "Arn": "string",
         "Capabilities": {
            "AddOrRunAnomalyDetectionForAnalyses": "string",
            "CreateAndUpdateDashboardEmailReports": "string",
            "CreateAndUpdateDatasets": "string",
            "CreateAndUpdateDataSources": "string",
            "CreateAndUpdateThemes": "string",
            "CreateAndUpdateThresholdAlerts": "string",
            "CreateSharedFolders": "string",
            "CreateSPICEDataset": "string",
            "ExportToCsv": "string",
            "ExportToCsvInScheduledReports": "string",
            "ExportToExcel": "string",
            "ExportToExcelInScheduledReports": "string",
            "ExportToPdf": "string",
            "ExportToPdfInScheduledReports": "string",
            "IncludeContentInScheduledReportsEmail": "string",
            "PrintReports": "string",
            "RenameSharedFolders": "string",
            "ShareAnalyses": "string",
            "ShareDashboards": "string",
            "ShareDatasets": "string",
            "ShareDataSources": "string",
            "SubscribeDashboardEmailReports": "string",
            "ViewAccountSPICECapacity": "string"
         },
         "CustomPermissionsName": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

CustomPermissionsList

A list of custom permissions profiles.

Type: Array of CustomPermissions objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListDashboards

Lists dashboards in an Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboards that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "DashboardSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "DashboardId": "string",
         "LastPublishedTime": number,
         "LastUpdatedTime": number,
         "Name": "string",
         "PublishedVersionNumber": number
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardSummaryList

A structure that contains all of the dashboards in your Amazon account. This structure provides basic information about the dashboards.

Type: Array of DashboardSummary objects

Array Members: Maximum number of 100 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListDashboardVersions

Lists all the versions of the dashboards in the Amazon QuickSight subscription.

Request Syntax

```
GET /accounts/AwsAccountId/dashboards/DashboardId/versions?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're listing versions for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardVersionSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "Description": "string",
         "SourceEntityArn": "string",
         "Status": "string",
         "VersionNumber": number
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardVersionSummaryList

A structure that contains information about each version of the dashboard.

Type: Array of DashboardVersionSummary objects

Array Members: Maximum number of 100 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListDataSets

Lists all of the datasets belonging to the current Amazon account in an Amazon Web Services Region.

The permissions resource is `arn:aws:quicksight:region:aws-account-id:dataset/*`.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "DataSetSummaries": [
      {
         "Arn": "string",
         "ColumnLevelPermissionRulesApplied": boolean,
         "CreatedTime": number,
         "DataSetId": "string",
         "ImportMode": "string",
         "LastUpdatedTime": number,
         "Name": "string",
         "RowLevelPermissionDataSet": {
            "Arn": "string",
            "FormatVersion": "string",
            "Namespace": "string",
            "PermissionPolicy": "string",
            "Status": "string"
         },
         "RowLevelPermissionTagConfigurationApplied": boolean,
         "UseAs": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSetSummaries

The list of dataset summaries.

Type: Array of DataSetSummary objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListDataSets.

Sample Request

```
GET /accounts/{AwsAccountId}/data-sets?next-token={NextToken};max-results={MaxResults}
 HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListDataSources

Lists data sources in current Amazon Web Services Region that belong to this Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/data-sources?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSources": [
```

```
{
   "AlternateDataSourceParameters": [
      {
         "AmazonElasticsearchParameters": {
            "Domain": "string"
         },
         "AmazonOpenSearchParameters": {
            "Domain": "string"
         },
         "AthenaParameters": {
            "IdentityCenterConfiguration": {
               "EnableIdentityPropagation": boolean
            },
            "RoleArn": "string",
            "WorkGroup": "string"
         },
         "AuroraParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "AuroraPostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "AwsIotAnalyticsParameters": {
            "DataSetName": "string"
         },
         "BigQueryParameters": {
            "DataSetRegion": "string",
            "ProjectId": "string"
         },
         "DatabricksParameters": {
            "Host": "string",
            "Port": number,
            "SqlEndpointPath": "string"
         },
         "ExasolParameters": {
            "Host": "string",
            "Port": number
         },
         "JiraParameters": {
            "SiteBaseUrl": "string"
```

```
        },
        "MariaDbParameters": {
           "Database": "string",
           "Host": "string",
           "Port": number
        },
        "MySqlParameters": {
           "Database": "string",
           "Host": "string",
           "Port": number
        },
        "OracleParameters": {
           "Database": "string",
           "Host": "string",
           "Port": number,
           "UseServiceName": boolean
        },
        "PostgreSqlParameters": {
           "Database": "string",
           "Host": "string",
           "Port": number
        },
        "PrestoParameters": {
           "Catalog": "string",
           "Host": "string",
           "Port": number
        },
        "RdsParameters": {
           "Database": "string",
           "InstanceId": "string"
        },
        "RedshiftParameters": {
           "ClusterId": "string",
           "Database": "string",
           "Host": "string",
           "IAMParameters": {
              "AutoCreateDatabaseUser": boolean,
              "DatabaseGroups": [ "string" ],
              "DatabaseUser": "string",
              "RoleArn": "string"
           },
           "IdentityCenterConfiguration": {
              "EnableIdentityPropagation": boolean
           },
```

```
      "Port": number
   },
   "S3Parameters": {
      "ManifestFileLocation": {
         "Bucket": "string",
         "Key": "string"
      },
      "RoleArn": "string"
   },
   "ServiceNowParameters": {
      "SiteBaseUrl": "string"
   },
   "SnowflakeParameters": {
      "AuthenticationType": "string",
      "Database": "string",
      "DatabaseAccessControlRole": "string",
      "Host": "string",
      "OAuthParameters": {
         "IdentityProviderResourceUri": "string",
         "IdentityProviderVpcConnectionProperties": {
            "VpcConnectionArn": "string"
         },
         "OAuthScope": "string",
         "TokenProviderUrl": "string"
      },
      "Warehouse": "string"
   },
   "SparkParameters": {
      "Host": "string",
      "Port": number
   },
   "SqlServerParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "StarburstParameters": {
      "AuthenticationType": "string",
      "Catalog": "string",
      "DatabaseAccessControlRole": "string",
      "Host": "string",
      "OAuthParameters": {
         "IdentityProviderResourceUri": "string",
         "IdentityProviderVpcConnectionProperties": {
```

```
                    "VpcConnectionArn": "string"
                },
                "OAuthScope": "string",
                "TokenProviderUrl": "string"
            },
            "Port": number,
            "ProductType": "string"
        },
        "TeradataParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
        },
        "TrinoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
        },
        "TwitterParameters": {
            "MaxRows": number,
            "Query": "string"
        }
    }
],
"Arn": "string",
"CreatedTime": number,
"DataSourceId": "string",
"DataSourceParameters": {
    "AmazonElasticsearchParameters": {
        "Domain": "string"
    },
    "AmazonOpenSearchParameters": {
        "Domain": "string"
    },
    "AthenaParameters": {
        "IdentityCenterConfiguration": {
            "EnableIdentityPropagation": boolean
        },
        "RoleArn": "string",
        "WorkGroup": "string"
    },
    "AuroraParameters": {
        "Database": "string",
        "Host": "string",
```

```
      "Port": number
   },
   "AuroraPostgreSqlParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "AwsIotAnalyticsParameters": {
      "DataSetName": "string"
   },
   "BigQueryParameters": {
      "DataSetRegion": "string",
      "ProjectId": "string"
   },
   "DatabricksParameters": {
      "Host": "string",
      "Port": number,
      "SqlEndpointPath": "string"
   },
   "ExasolParameters": {
      "Host": "string",
      "Port": number
   },
   "JiraParameters": {
      "SiteBaseUrl": "string"
   },
   "MariaDbParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "MySqlParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "OracleParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number,
      "UseServiceName": boolean
   },
   "PostgreSqlParameters": {
      "Database": "string",
```

```
            "Host": "string",
            "Port": number
         },
         "PrestoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "RdsParameters": {
            "Database": "string",
            "InstanceId": "string"
         },
         "RedshiftParameters": {
            "ClusterId": "string",
            "Database": "string",
            "Host": "string",
            "IAMParameters": {
               "AutoCreateDatabaseUser": boolean,
               "DatabaseGroups": [ "string" ],
               "DatabaseUser": "string",
               "RoleArn": "string"
            },
            "IdentityCenterConfiguration": {
               "EnableIdentityPropagation": boolean
            },
            "Port": number
         },
         "S3Parameters": {
            "ManifestFileLocation": {
               "Bucket": "string",
               "Key": "string"
            },
            "RoleArn": "string"
         },
         "ServiceNowParameters": {
            "SiteBaseUrl": "string"
         },
         "SnowflakeParameters": {
            "AuthenticationType": "string",
            "Database": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
```

```
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
         },
         "Warehouse": "string"
      },
      "SparkParameters": {
         "Host": "string",
         "Port": number
      },
      "SqlServerParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "StarburstParameters": {
         "AuthenticationType": "string",
         "Catalog": "string",
         "DatabaseAccessControlRole": "string",
         "Host": "string",
         "OAuthParameters": {
            "IdentityProviderResourceUri": "string",
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
         },
         "Port": number,
         "ProductType": "string"
      },
      "TeradataParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "TrinoParameters": {
         "Catalog": "string",
         "Host": "string",
         "Port": number
      },
      "TwitterParameters": {
```

```
                "MaxRows": number,
                "Query": "string"
            }
        },
        "ErrorInfo": {
            "Message": "string",
            "Type": "string"
        },
        "LastUpdatedTime": number,
        "Name": "string",
        "SecretArn": "string",
        "SslProperties": {
            "DisableSsl": boolean
        },
        "Status": "string",
        "Type": "string",
        "VpcConnectionProperties": {
            "VpcConnectionArn": "string"
        }
    }
  ],
  "NextToken": "string",
  "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSources

A list of data sources.

Type: Array of DataSource objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListDataSources.

Sample Request

```
GET /accounts/{AwsAccountId}/data-sources?next-token={NextToken};max-
results={MaxResults} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListFolderMembers

List all assets (DASHBOARD, ANALYSIS, and DATASET) in a folder.

Request Syntax

```
GET /accounts/AwsAccountId/folders/FolderId/members?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: [\w\-]+

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "FolderMemberList": [
      {
         "MemberArn": "string",
         "MemberId": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

FolderMemberList

A structure that contains all of the folder members (dashboards, analyses, and datasets) in the folder.

Type: Array of MemberIdArnPair objects

Array Members: Maximum number of 100 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListFolders

Lists all folders in an account.

Request Syntax

```
GET /accounts/AwsAccountId/folders?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "FolderSummaryList": [
```

```
      {
         "Arn": "string",
         "CreatedTime": number,
         "FolderId": "string",
         "FolderType": "string",
         "LastUpdatedTime": number,
         "Name": "string",
         "SharingModel": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

FolderSummaryList

A structure that contains all of the folders in the Amazon account. This structure provides basic information about the folders.

Type: Array of FolderSummary objects

Array Members: Maximum number of 100 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListFoldersForResource

List all folders that a resource is a member of.

Request Syntax

```
GET /accounts/AwsAccountId/resource/ResourceArn/folders?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the resource.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

ResourceArn

The Amazon Resource Name (ARN) the resource whose folders you need to list.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Folders": [ "string" ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Folders

A list that contains the Amazon Resource Names (ARNs) of all folders that the resource is a member of.

Type: Array of strings

Array Members: Maximum number of 20 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListGroupMemberships

Lists member users in a group.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName/members?max-
results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to see a membership list of.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

MaxResults

The maximum number of results to return from this request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace of the group that you want a list of users from.

Length Constraints: Maximum length of 64.

Pattern: ^[a-zA-Z0-9._-]*$

Required: Yes

NextToken

A pagination token that can be used in a subsequent request.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "GroupMemberList": [
      {
         "Arn": "string",
         "MemberName": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

GroupMemberList

The list of the members of the group.

Type: Array of GroupMember objects

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListGroups

Lists all user groups in Amazon QuickSight.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/groups?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace that you want a list of groups from.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

A pagination token that can be used in a subsequent request.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "GroupList": [
      {
         "Arn": "string",
         "Description": "string",
         "GroupName": "string",
         "PrincipalId": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

GroupList

The list of the groups.

Type: Array of Group objects

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListIAMPolicyAssignments

Lists the IAM policy assignments in the current Amazon QuickSight account.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/v2/iam-policy-assignments?assignment-status=AssignmentStatus&max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AssignmentStatus

The status of the assignments.

Valid Values: `ENABLED | DRAFT | DISABLED`

AwsAccountId

The ID of the Amazon account that contains these IAM policy assignments.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace for the assignments.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "IAMPolicyAssignments": [
      {
         "AssignmentName": "string",
         "AssignmentStatus": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

IAMPolicyAssignments

Information describing the IAM policy assignments.

Type: Array of IAMPolicyAssignmentSummary objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListIAMPolicyAssignmentsForUser

Lists all of the IAM policy assignments, including the Amazon Resource Names (ARNs), for the IAM policies assigned to the specified user and group, or groups that the user belongs to.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/users/UserName/iam-policy-assignments?
max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the assignments.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace of the assignment.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

The token for the next set of results, or null if there are no more results.

UserName

The name of the user.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "ActiveAssignments": [
      {
         "AssignmentName": "string",
         "PolicyArn": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

ActiveAssignments

The active assignments for this user.

Type: Array of ActiveIAMPolicyAssignment objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConcurrentUpdatingException

A resource is already in a state that indicates an operation is happening that must complete before a new update can be applied.

HTTP Status Code: 500

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListIdentityPropagationConfigs

Lists all services and authorized targets that the Amazon QuickSight IAM Identity Center application can access.

This operation is only supported for Amazon QuickSight accounts that use IAM Identity Center.

Request Syntax

```
GET /accounts/AwsAccountId/identity-propagation-config?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contain the identity propagation configurations of.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned.

Valid Range: Minimum value of 1. Maximum value of 10.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "NextToken": "string",
   "RequestId": "string",
   "Services": [
      {
         "AuthorizedTargets": [ "string" ],
         "Service": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Services

A list of services and their authorized targets that the Amazon QuickSight IAM Identity Center application can access.

Type: Array of AuthorizedTargetsByService objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2

- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListIngestions

Lists the history of SPICE ingestions for a dataset. Limited to 5 TPS per user and 25 TPS per account.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId/ingestions?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID of the dataset used in the ingestion.

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Ingestions": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "ErrorInfo": {
            "Message": "string",
            "Type": "string"
         },
         "IngestionId": "string",
         "IngestionSizeInBytes": number,
         "IngestionStatus": "string",
         "IngestionTimeInSeconds": number,
         "QueueInfo": {
            "QueuedIngestion": "string",
            "WaitingOnIngestion": "string"
         },
         "RequestSource": "string",
         "RequestType": "string",
         "RowInfo": {
            "RowsDropped": number,
            "RowsIngested": number,
            "TotalRowsInDataset": number
         }
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Ingestions

A list of the ingestions.

Type: Array of Ingestion objects

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListIngestions.

Sample Request

```
GET /accounts/*AwsAccountId*/data-sets/*DataSetID*/ingestions?next-
token=*NextToken*;max-results=*MaxResults*" HTTP/1.1
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++

- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListNamespaces

Lists the namespaces for the specified Amazon account. This operation doesn't list deleted namespaces.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the Amazon QuickSight namespaces that you want to list.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

A unique pagination token that can be used in a subsequent request. You will receive a pagination token in the response body of a previous `ListNameSpaces` API call if there is more data that can be returned. To receive the data, make another `ListNamespaces` API call with the returned token to retrieve the next page of data. Each token is valid for 24 hours. If you try to make a `ListNamespaces` API call with an expired token, you will receive a `HTTP 400 InvalidNextTokenException` error.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Namespaces": [
      {
         "Arn": "string",
         "CapacityRegion": "string",
         "CreationStatus": "string",
         "IamIdentityCenterApplicationArn": "string",
         "IamIdentityCenterInstanceArn": "string",
         "IdentityStore": "string",
         "Name": "string",
         "NamespaceError": {
            "Message": "string",
            "Type": "string"
         }
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Namespaces

The information about the namespaces in this Amazon account. The response includes the namespace ARN, name, Amazon Web Services Region, notification email address, creation status, and identity store.

Type: Array of NamespaceInfoV2 objects

NextToken

A unique pagination token that can be used in a subsequent request. Receiving `NextToken` in your response inticates that there is more data that can be returned. To receive the data, make another `ListNamespaces` API call with the returned token to retrieve the next page of data. Each token is valid for 24 hours. If you try to make a `ListNamespaces` API call with an expired token, you will receive a `HTTP 400 InvalidNextTokenException` error.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListRefreshSchedules

Lists the refresh schedules of a dataset. Each dataset can have up to 5 schedules.

Request Syntax

```
GET /accounts/AwsAccountId/data-sets/DataSetId/refresh-schedules HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RefreshSchedules": [
      {
         "Arn": "string",
```

```
         "RefreshType": "string",
         "ScheduleFrequency": {
            "Interval": "string",
            "RefreshOnDay": {
               "DayOfMonth": "string",
               "DayOfWeek": "string"
            },
            "TimeOfTheDay": "string",
            "Timezone": "string"
         },
         "ScheduleId": "string",
         "StartAfterDateTime": number
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RefreshSchedules

The list of refresh schedules for the dataset.

Type: Array of RefreshSchedule objects

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListRoleMemberships

Lists all groups that are associated with a role.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/roles/Role/members?max-
results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to create a group in. The Amazon account ID that you provide must be the same Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace that includes the role.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

A pagination token that can be used in a subsequent request.

Role

The name of the role.

Valid Values: ADMIN | AUTHOR | READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "MembersList": [ "string" ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

MembersList

The list of groups associated with a role

Type: Array of strings

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTagsForResource

Lists the tags assigned to a resource.

Request Syntax

```
GET /resources/ResourceArn/tags HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) of the resource that you want a list of tags for.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTemplateAliases

Lists all the aliases of a template.

Request Syntax

```
GET /accounts/AwsAccountId/templates/TemplateId/aliases?max-result=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the template aliases that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "TemplateAliasList": [
      {
         "AliasName": "string",
         "Arn": "string",
         "TemplateVersionNumber": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TemplateAliasList

A structure containing the list of the template's aliases.

Type: Array of TemplateAlias objects

Array Members: Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of ListTemplateAliases.

Sample Request

```
GET /accounts/AwsAccountId/templates/TemplateId/aliases?max-result=MaxResults&next-
token=NextToken HTTP/1.1
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTemplates

Lists all the templates in the current Amazon QuickSight account.

Request Syntax

```
GET /accounts/AwsAccountId/templates?max-result=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the templates that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "NextToken": "string",
   "RequestId": "string",
   "TemplateSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "LastUpdatedTime": number,
         "LatestVersionNumber": number,
         "Name": "string",
         "TemplateId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TemplateSummaryList

A structure containing information about the templates in the list.

Type: Array of TemplateSummary objects

Array Members: Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTemplateVersions

Lists all the versions of the templates in the current Amazon QuickSight account.

Request Syntax

```
GET /accounts/AwsAccountId/templates/TemplateId/versions?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the templates that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "TemplateVersionSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "Description": "string",
         "Status": "string",
         "VersionNumber": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TemplateVersionSummaryList

A structure containing a list of all the versions of the specified template.

Type: Array of TemplateVersionSummary objects

Array Members: Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListThemeAliases

Lists all the aliases of a theme.

Request Syntax

```
GET /accounts/AwsAccountId/themes/ThemeId/aliases?max-result=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the theme aliases that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "ThemeAliasList": [
      {
         "AliasName": "string",
         "Arn": "string",
         "ThemeVersionNumber": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ThemeAliasList

A structure containing the list of the theme's aliases.

Type: Array of ThemeAlias objects

Array Members: Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of ListThemeAliases.

Sample Request

```
GET /accounts/AwsAccountId/themes/ThemeId/aliases?max-result=MaxResults&next-
token=NextToken& HTTP/1.1
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListThemes

Lists all the themes in the current Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/themes?max-results=MaxResults&next-token=NextToken&type=Type
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the themes that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Type

The type of themes that you want to list. Valid options include the following:

- `ALL (default)`- Display all existing themes.
- `CUSTOM` - Display only the themes created by people using Amazon QuickSight.
- `QUICKSIGHT` - Display only the starting themes defined by Amazon QuickSight.

Valid Values: `QUICKSIGHT | CUSTOM | ALL`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "ThemeSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "LastUpdatedTime": number,
         "LatestVersionNumber": number,
         "Name": "string",
         "ThemeId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ThemeSummaryList

Information about the themes in the list.

Type: Array of ThemeSummary objects

Array Members: Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListThemeVersions

Lists all the versions of the themes in the current Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/themes/ThemeId/versions?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the themes that you're listing.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "ThemeVersionSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "Description": "string",
         "Status": "string",
         "VersionNumber": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ThemeVersionSummaryList

A structure containing a list of all the versions of the specified theme.

Type: Array of ThemeVersionSummary objects

Array Members: Maximum number of 100 items.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTopicRefreshSchedules

Lists all of the refresh schedules for a topic.

Request Syntax

```
GET /accounts/AwsAccountId/topics/TopicId/schedules HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic whose refresh schedule you want described.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID for the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "RefreshSchedules": [
      {
         "DatasetArn": "string",
         "DatasetId": "string",
         "DatasetName": "string",
         "RefreshSchedule": {
            "BasedOnSpiceSchedule": boolean,
            "IsEnabled": boolean,
            "RepeatAt": "string",
            "StartingAt": number,
            "Timezone": "string",
            "TopicScheduleType": "string"
         }
      }
   ],
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RefreshSchedules

The list of topic refresh schedules.

Type: Array of TopicRefreshScheduleSummary objects

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID for the topic that you want to describe. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListTopicRefreshSchedules.

Sample Request

```
GET /accounts/{AwsAccountId}/topics/{TopicId}/schedules HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTopicReviewedAnswers

Lists all reviewed answers for a Q Topic.

Request Syntax

```
GET /accounts/AwsAccountId/topics/TopicId/reviewed-answers HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that containd the reviewed answers that you want listed.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID for the topic that contains the reviewed answer that you want to list. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Answers": [
```

```
{
   "AnswerId": "string",
   "Arn": "string",
   "DatasetArn": "string",
   "Mir": {
      "ContributionAnalysis": {
         "Direction": "string",
         "Factors": [
            {
               "FieldName": "string"
            }
         ],
         "SortType": "string",
         "TimeRanges": {
            "EndRange": {
               "AggMetrics": [
                  {
                     "Function": "string",
                     "MetricOperand": {
                        "Identity": "string"
                     },
                     "SortDirection": "string"
                  }
               ],
               "Aggregation": "string",
               "AggregationFunctionParameters": {
                  "string" : "string"
               },
               "AggregationPartitionBy": [
                  {
                     "FieldName": "string",
                     "TimeGranularity": "string"
                  }
               ],
               "Anchor": {
                  "AnchorType": "string",
                  "Offset": number,
                  "TimeGranularity": "string"
               },
               "Constant": {
                  "ConstantType": "string",
                  "Maximum": "string",
                  "Minimum": "string",
                  "Value": "string",
```

```
            "ValueList": [
               {
                  "ConstantType": "string",
                  "Value": "string"
               }
            ]
         },
         "FilterClass": "string",
         "FilterType": "string",
         "Function": "string",
         "Inclusive": boolean,
         "Inverse": boolean,
         "LastNextOffset": {
            "ConstantType": "string",
            "Maximum": "string",
            "Minimum": "string",
            "Value": "string",
            "ValueList": [
               {
                  "ConstantType": "string",
                  "Value": "string"
               }
            ]
         },
         "NullFilter": "string",
         "OperandField": {
            "Identity": "string"
         },
         "Range": {
            "ConstantType": "string",
            "Maximum": "string",
            "Minimum": "string",
            "Value": "string",
            "ValueList": [
               {
                  "ConstantType": "string",
                  "Value": "string"
               }
            ]
         },
         "SortDirection": "string",
         "TimeGranularity": "string",
         "TopBottomLimit": {
            "ConstantType": "string",
```

```
            "Maximum": "string",
            "Minimum": "string",
            "Value": "string",
            "ValueList": [
               {
                  "ConstantType": "string",
                  "Value": "string"
               }
            ]
         }
      },
      "StartRange": {
         "AggMetrics": [
            {
               "Function": "string",
               "MetricOperand": {
                  "Identity": "string"
               },
               "SortDirection": "string"
            }
         ],
         "Aggregation": "string",
         "AggregationFunctionParameters": {
            "string" : "string"
         },
         "AggregationPartitionBy": [
            {
               "FieldName": "string",
               "TimeGranularity": "string"
            }
         ],
         "Anchor": {
            "AnchorType": "string",
            "Offset": number,
            "TimeGranularity": "string"
         },
         "Constant": {
            "ConstantType": "string",
            "Maximum": "string",
            "Minimum": "string",
            "Value": "string",
            "ValueList": [
               {
                  "ConstantType": "string",
```

```
            "Value": "string"
         }
      ]
   },
   "FilterClass": "string",
   "FilterType": "string",
   "Function": "string",
   "Inclusive": boolean,
   "Inverse": boolean,
   "LastNextOffset": {
      "ConstantType": "string",
      "Maximum": "string",
      "Minimum": "string",
      "Value": "string",
      "ValueList": [
         {
            "ConstantType": "string",
            "Value": "string"
         }
      ]
   },
   "NullFilter": "string",
   "OperandField": {
      "Identity": "string"
   },
   "Range": {
      "ConstantType": "string",
      "Maximum": "string",
      "Minimum": "string",
      "Value": "string",
      "ValueList": [
         {
            "ConstantType": "string",
            "Value": "string"
         }
      ]
   },
   "SortDirection": "string",
   "TimeGranularity": "string",
   "TopBottomLimit": {
      "ConstantType": "string",
      "Maximum": "string",
      "Minimum": "string",
      "Value": "string",
```

```
                        "ValueList": [
                           {
                              "ConstantType": "string",
                              "Value": "string"
                           }
                        ]
                     }
                  }
               }
            },
            "Filters": [
               [
                  {
                     "AggMetrics": [
                        {
                           "Function": "string",
                           "MetricOperand": {
                              "Identity": "string"
                           },
                           "SortDirection": "string"
                        }
                     ],
                     "Aggregation": "string",
                     "AggregationFunctionParameters": {
                        "string" : "string"
                     },
                     "AggregationPartitionBy": [
                        {
                           "FieldName": "string",
                           "TimeGranularity": "string"
                        }
                     ],
                     "Anchor": {
                        "AnchorType": "string",
                        "Offset": number,
                        "TimeGranularity": "string"
                     },
                     "Constant": {
                        "ConstantType": "string",
                        "Maximum": "string",
                        "Minimum": "string",
                        "Value": "string",
                        "ValueList": [
                           {
```

```
                        "ConstantType": "string",
                        "Value": "string"
                     }
                  ]
               },
               "FilterClass": "string",
               "FilterType": "string",
               "Function": "string",
               "Inclusive": boolean,
               "Inverse": boolean,
               "LastNextOffset": {
                  "ConstantType": "string",
                  "Maximum": "string",
                  "Minimum": "string",
                  "Value": "string",
                  "ValueList": [
                     {
                        "ConstantType": "string",
                        "Value": "string"
                     }
                  ]
               },
               "NullFilter": "string",
               "OperandField": {
                  "Identity": "string"
               },
               "Range": {
                  "ConstantType": "string",
                  "Maximum": "string",
                  "Minimum": "string",
                  "Value": "string",
                  "ValueList": [
                     {
                        "ConstantType": "string",
                        "Value": "string"
                     }
                  ]
               },
               "SortDirection": "string",
               "TimeGranularity": "string",
               "TopBottomLimit": {
                  "ConstantType": "string",
                  "Maximum": "string",
                  "Minimum": "string",
```

```
                        "Value": "string",
                        "ValueList": [
                           {
                              "ConstantType": "string",
                              "Value": "string"
                           }
                        ]
                     }
                  }
               ]
            ],
            "GroupByList": [
               {
                  "DisplayFormat": "string",
                  "DisplayFormatOptions": {
                     "BlankCellFormat": "string",
                     "CurrencySymbol": "string",
                     "DateFormat": "string",
                     "DecimalSeparator": "string",
                     "FractionDigits": number,
                     "GroupingSeparator": "string",
                     "NegativeFormat": {
                        "Prefix": "string",
                        "Suffix": "string"
                     },
                     "Prefix": "string",
                     "Suffix": "string",
                     "UnitScaler": "string",
                     "UseBlankCellFormat": boolean,
                     "UseGrouping": boolean
                  },
                  "FieldName": {
                     "Identity": "string"
                  },
                  "NamedEntity": {
                     "NamedEntityName": "string"
                  },
                  "Sort": {
                     "Operand": {
                        "Identity": "string"
                     },
                     "SortDirection": "string"
                  },
                  "TimeGranularity": "string"
```

```
            }
         ],
         "Metrics": [
            {
               "CalculatedFieldReferences": [
                  {
                     "Identity": "string"
                  }
               ],
               "ComparisonMethod": {
                  "Period": "string",
                  "Type": "string",
                  "WindowSize": number
               },
               "DisplayFormat": "string",
               "DisplayFormatOptions": {
                  "BlankCellFormat": "string",
                  "CurrencySymbol": "string",
                  "DateFormat": "string",
                  "DecimalSeparator": "string",
                  "FractionDigits": number,
                  "GroupingSeparator": "string",
                  "NegativeFormat": {
                     "Prefix": "string",
                     "Suffix": "string"
                  },
                  "Prefix": "string",
                  "Suffix": "string",
                  "UnitScaler": "string",
                  "UseBlankCellFormat": boolean,
                  "UseGrouping": boolean
               },
               "Expression": "string",
               "Function": {
                  "Aggregation": "string",
                  "AggregationFunctionParameters": {
                     "string" : "string"
                  },
                  "Period": "string",
                  "PeriodField": "string"
               },
               "MetricId": {
                  "Identity": "string"
               },
```

```
                "NamedEntity": {
                   "NamedEntityName": "string"
                },
                "Operands": [
                   {
                      "Identity": "string"
                   }
                ]
             }
          ],
          "Sort": {
             "Operand": {
                "Identity": "string"
             },
             "SortDirection": "string"
          },
          "Visual": {
             "type": "string"
          }
       },
       "PrimaryVisual": {
          "Ir": {
             "ContributionAnalysis": {
                "Direction": "string",
                "Factors": [
                   {
                      "FieldName": "string"
                   }
                ],
                "SortType": "string",
                "TimeRanges": {
                   "EndRange": {
                      "AggMetrics": [
                         {
                            "Function": "string",
                            "MetricOperand": {
                               "Identity": "string"
                            },
                            "SortDirection": "string"
                         }
                      ],
                      "Aggregation": "string",
                      "AggregationFunctionParameters": {
                         "string" : "string"
```

```
        },
        "AggregationPartitionBy": [
           {
              "FieldName": "string",
              "TimeGranularity": "string"
           }
        ],
        "Anchor": {
           "AnchorType": "string",
           "Offset": number,
           "TimeGranularity": "string"
        },
        "Constant": {
           "ConstantType": "string",
           "Maximum": "string",
           "Minimum": "string",
           "Value": "string",
           "ValueList": [
              {
                 "ConstantType": "string",
                 "Value": "string"
              }
           ]
        },
        "FilterClass": "string",
        "FilterType": "string",
        "Function": "string",
        "Inclusive": boolean,
        "Inverse": boolean,
        "LastNextOffset": {
           "ConstantType": "string",
           "Maximum": "string",
           "Minimum": "string",
           "Value": "string",
           "ValueList": [
              {
                 "ConstantType": "string",
                 "Value": "string"
              }
           ]
        },
        "NullFilter": "string",
        "OperandField": {
           "Identity": "string"
```

```
            },
            "Range": {
               "ConstantType": "string",
               "Maximum": "string",
               "Minimum": "string",
               "Value": "string",
               "ValueList": [
                  {
                     "ConstantType": "string",
                     "Value": "string"
                  }
               ]
            },
            "SortDirection": "string",
            "TimeGranularity": "string",
            "TopBottomLimit": {
               "ConstantType": "string",
               "Maximum": "string",
               "Minimum": "string",
               "Value": "string",
               "ValueList": [
                  {
                     "ConstantType": "string",
                     "Value": "string"
                  }
               ]
            }
         },
         "StartRange": {
            "AggMetrics": [
               {
                  "Function": "string",
                  "MetricOperand": {
                     "Identity": "string"
                  },
                  "SortDirection": "string"
               }
            ],
            "Aggregation": "string",
            "AggregationFunctionParameters": {
               "string" : "string"
            },
            "AggregationPartitionBy": [
               {
```

```
            "FieldName": "string",
            "TimeGranularity": "string"
         }
      ],
      "Anchor": {
         "AnchorType": "string",
         "Offset": number,
         "TimeGranularity": "string"
      },
      "Constant": {
         "ConstantType": "string",
         "Maximum": "string",
         "Minimum": "string",
         "Value": "string",
         "ValueList": [
            {
               "ConstantType": "string",
               "Value": "string"
            }
         ]
      },
      "FilterClass": "string",
      "FilterType": "string",
      "Function": "string",
      "Inclusive": boolean,
      "Inverse": boolean,
      "LastNextOffset": {
         "ConstantType": "string",
         "Maximum": "string",
         "Minimum": "string",
         "Value": "string",
         "ValueList": [
            {
               "ConstantType": "string",
               "Value": "string"
            }
         ]
      },
      "NullFilter": "string",
      "OperandField": {
         "Identity": "string"
      },
      "Range": {
         "ConstantType": "string",
```

```
                        "Maximum": "string",
                        "Minimum": "string",
                        "Value": "string",
                        "ValueList": [
                           {
                              "ConstantType": "string",
                              "Value": "string"
                           }
                        ]
                     },
                     "SortDirection": "string",
                     "TimeGranularity": "string",
                     "TopBottomLimit": {
                        "ConstantType": "string",
                        "Maximum": "string",
                        "Minimum": "string",
                        "Value": "string",
                        "ValueList": [
                           {
                              "ConstantType": "string",
                              "Value": "string"
                           }
                        ]
                     }
                  }
               }
            },
            "Filters": [
               [
                  {
                     "AggMetrics": [
                        {
                           "Function": "string",
                           "MetricOperand": {
                              "Identity": "string"
                           },
                           "SortDirection": "string"
                        }
                     ],
                     "Aggregation": "string",
                     "AggregationFunctionParameters": {
                        "string" : "string"
                     },
                     "AggregationPartitionBy": [
```

```
            {
               "FieldName": "string",
               "TimeGranularity": "string"
            }
         ],
         "Anchor": {
            "AnchorType": "string",
            "Offset": number,
            "TimeGranularity": "string"
         },
         "Constant": {
            "ConstantType": "string",
            "Maximum": "string",
            "Minimum": "string",
            "Value": "string",
            "ValueList": [
               {
                  "ConstantType": "string",
                  "Value": "string"
               }
            ]
         },
         "FilterClass": "string",
         "FilterType": "string",
         "Function": "string",
         "Inclusive": boolean,
         "Inverse": boolean,
         "LastNextOffset": {
            "ConstantType": "string",
            "Maximum": "string",
            "Minimum": "string",
            "Value": "string",
            "ValueList": [
               {
                  "ConstantType": "string",
                  "Value": "string"
               }
            ]
         },
         "NullFilter": "string",
         "OperandField": {
            "Identity": "string"
         },
         "Range": {
```

```
                        "ConstantType": "string",
                        "Maximum": "string",
                        "Minimum": "string",
                        "Value": "string",
                        "ValueList": [
                           {
                              "ConstantType": "string",
                              "Value": "string"
                           }
                        ]
                     },
                     "SortDirection": "string",
                     "TimeGranularity": "string",
                     "TopBottomLimit": {
                        "ConstantType": "string",
                        "Maximum": "string",
                        "Minimum": "string",
                        "Value": "string",
                        "ValueList": [
                           {
                              "ConstantType": "string",
                              "Value": "string"
                           }
                        ]
                     }
                  }
               ]
            ],
            "GroupByList": [
               {
                  "DisplayFormat": "string",
                  "DisplayFormatOptions": {
                     "BlankCellFormat": "string",
                     "CurrencySymbol": "string",
                     "DateFormat": "string",
                     "DecimalSeparator": "string",
                     "FractionDigits": number,
                     "GroupingSeparator": "string",
                     "NegativeFormat": {
                        "Prefix": "string",
                        "Suffix": "string"
                     },
                     "Prefix": "string",
                     "Suffix": "string",
```

```
                  "UnitScaler": "string",
                  "UseBlankCellFormat": boolean,
                  "UseGrouping": boolean
               },
               "FieldName": {
                  "Identity": "string"
               },
               "NamedEntity": {
                  "NamedEntityName": "string"
               },
               "Sort": {
                  "Operand": {
                     "Identity": "string"
                  },
                  "SortDirection": "string"
               },
               "TimeGranularity": "string"
            }
         ],
         "Metrics": [
            {
               "CalculatedFieldReferences": [
                  {
                     "Identity": "string"
                  }
               ],
               "ComparisonMethod": {
                  "Period": "string",
                  "Type": "string",
                  "WindowSize": number
               },
               "DisplayFormat": "string",
               "DisplayFormatOptions": {
                  "BlankCellFormat": "string",
                  "CurrencySymbol": "string",
                  "DateFormat": "string",
                  "DecimalSeparator": "string",
                  "FractionDigits": number,
                  "GroupingSeparator": "string",
                  "NegativeFormat": {
                     "Prefix": "string",
                     "Suffix": "string"
                  },
                  "Prefix": "string",
```

```
                        "Suffix": "string",
                        "UnitScaler": "string",
                        "UseBlankCellFormat": boolean,
                        "UseGrouping": boolean
                     },
                     "Expression": "string",
                     "Function": {
                        "Aggregation": "string",
                        "AggregationFunctionParameters": {
                           "string" : "string"
                        },
                        "Period": "string",
                        "PeriodField": "string"
                     },
                     "MetricId": {
                        "Identity": "string"
                     },
                     "NamedEntity": {
                        "NamedEntityName": "string"
                     },
                     "Operands": [
                        {
                           "Identity": "string"
                        }
                     ]
                  }
               ],
               "Sort": {
                  "Operand": {
                     "Identity": "string"
                  },
                  "SortDirection": "string"
               },
               "Visual": {
                  "type": "string"
               }
            },
            "Role": "string",
            "SupportingVisuals": [
               "TopicVisual"
            ],
            "VisualId": "string"
         },
         "Question": "string",
```

```
         "Template": {
            "Slots": [
               {
                  "SlotId": "string",
                  "VisualId": "string"
               }
            ],
            "TemplateType": "string"
         }
      }
   ],
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
}
```


Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Answers

The definition of all Answers in the topic.

Type: Array of TopicReviewedAnswer objects

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID for the topic that contains the reviewed answer that you want to list. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListTopics

Lists all of the topics within an account.

Request Syntax

```
GET /accounts/AwsAccountId/topics?max-results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topics that you want to list.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
```

```
   "NextToken": "string",
   "RequestId": "string",
   "TopicsSummaries": [
      {
         "Arn": "string",
         "Name": "string",
         "TopicId": "string",
         "UserExperienceVersion": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicsSummaries

A list of topic summaries.

Type: Array of TopicSummary objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of ListTopics.

Sample Request

```
GET /accounts/{AwsAccountId}/topics HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListUserGroups

Lists the Amazon QuickSight groups that an Amazon QuickSight user is a member of.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/users/UserName/groups?max-
results=MaxResults&next-token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return from this request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

A pagination token that can be used in a subsequent request.

UserName

The Amazon QuickSight user name that you want to list group memberships for.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "GroupList": [
      {
         "Arn": "string",
         "Description": "string",
         "GroupName": "string",
         "PrincipalId": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

GroupList

The list of groups the user is a member of.

Type: Array of Group objects

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListUsers

Returns a list of all of the Amazon QuickSight users belonging to this account.

Request Syntax

```
GET /accounts/AwsAccountId/namespaces/Namespace/users?max-results=MaxResults&next-
token=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return from this request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

A pagination token that can be used in a subsequent request.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "UserList": [
      {
         "Active": boolean,
         "Arn": "string",
         "CustomPermissionsName": "string",
         "Email": "string",
         "ExternalLoginFederationProviderType": "string",
         "ExternalLoginFederationProviderUrl": "string",
         "ExternalLoginId": "string",
         "IdentityType": "string",
         "PrincipalId": "string",
         "Role": "string",
         "UserName": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

UserList

The list of users.

Type: Array of User objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

ListVPCConnections

Lists all of the VPC connections in the current set Amazon Web Services Region of an Amazon account.

Request Syntax

```
GET /accounts/AwsAccountId/vpc-connections?max-results=MaxResults&next-token=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID of the account that contains the VPC connections that you want to list.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Valid Range: Minimum value of 1. Maximum value of 100.

NextToken

The token for the next set of results, or null if there are no more results.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "NextToken": "string",
   "RequestId": "string",
   "VPCConnectionSummaries": [
      {
         "Arn": "string",
         "AvailabilityStatus": "string",
         "CreatedTime": number,
         "DnsResolvers": [ "string" ],
         "LastUpdatedTime": number,
         "Name": "string",
         "NetworkInterfaces": [
            {
               "AvailabilityZone": "string",
               "ErrorMessage": "string",
               "NetworkInterfaceId": "string",
               "Status": "string",
               "SubnetId": "string"
            }
         ],
         "RoleArn": "string",
         "SecurityGroupIds": [ "string" ],
         "Status": "string",
         "VPCConnectionId": "string",
         "VPCId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

VPCConnectionSummaries

A `VPCConnectionSummaries` object that returns a summary of VPC connection objects.

Type: Array of VPCConnectionSummary objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

PredictQAResults

Predicts existing visuals or generates new visuals to answer a given query.

This API uses trusted identity propagation to ensure that an end user is authenticated and receives the embed URL that is specific to that user. The IAM Identity Center application that the user has logged into needs to have trusted Identity Propagation enabled for Amazon QuickSight with the scope value set to `quicksight:read`. Before you use this action, make sure that you have configured the relevant Amazon QuickSight resource and permissions.

We recommend enabling the `QSearchStatus` API to unlock the full potential of `PredictQnA`. When `QSearchStatus` is enabled, it first checks the specified dashboard for any existing visuals that match the question. If no matching visuals are found, `PredictQnA` uses generative Q&A to provide an answer. To update the `QSearchStatus`, see UpdateQuickSightQSearchConfiguration.

Request Syntax

```
POST /accounts/AwsAccountId/qa/predict HTTP/1.1
Content-type: application/json

{
   "IncludeGeneratedAnswer": "string",
   "IncludeQuickSightQIndex": "string",
   "MaxTopicsToConsider": number,
   "QueryText": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the user wants to execute Predict QA results in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

QueryText

The query text to be used to predict QA results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

IncludeGeneratedAnswer

Indicates whether generated answers are included or excluded.

Type: String

Valid Values: `INCLUDE | EXCLUDE`

Required: No

IncludeQuickSightQIndex

Indicates whether Q indicies are included or excluded.

Type: String

Valid Values: `INCLUDE | EXCLUDE`

Required: No

MaxTopicsToConsider

The number of maximum topics to be considered to predict QA results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 4.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AdditionalResults": [
      {
         "DashboardVisual": {
            "DashboardId": "string",
            "DashboardName": "string",
            "DashboardUrl": "string",
            "SheetId": "string",
            "SheetName": "string",
            "VisualId": "string",
            "VisualSubtitle": "string",
            "VisualTitle": "string"
         },
         "GeneratedAnswer": {
            "AnswerId": "string",
            "AnswerStatus": "string",
            "QuestionId": "string",
            "QuestionText": "string",
            "QuestionUrl": "string",
            "Restatement": "string",
            "TopicId": "string",
            "TopicName": "string"
         },
         "ResultType": "string"
      }
   ],
   "PrimaryResult": {
      "DashboardVisual": {
         "DashboardId": "string",
         "DashboardName": "string",
         "DashboardUrl": "string",
         "SheetId": "string",
         "SheetName": "string",
         "VisualId": "string",
         "VisualSubtitle": "string",
         "VisualTitle": "string"
      },
      "GeneratedAnswer": {
```

```
            "AnswerId": "string",
            "AnswerStatus": "string",
            "QuestionId": "string",
            "QuestionText": "string",
            "QuestionUrl": "string",
            "Restatement": "string",
            "TopicId": "string",
            "TopicName": "string"
        },
        "ResultType": "string"
    },
    "RequestId": "string"
}
```


Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AdditionalResults

Additional visual responses.

Type: Array of QAResult objects

PrimaryResult

The primary visual response.

Type: QAResult object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

PutDataSetRefreshProperties

Creates or updates the dataset refresh properties for the dataset.

Request Syntax

```
PUT /accounts/AwsAccountId/data-sets/DataSetId/refresh-properties HTTP/1.1
Content-type: application/json

{
   "DataSetRefreshProperties": {
      "FailureConfiguration": {
         "EmailAlert": {
            "AlertStatus": "string"
         }
      },
      "RefreshConfiguration": {
         "IncrementalRefresh": {
            "LookbackWindow": {
               "ColumnName": "string",
               "Size": number,
               "SizeUnit": "string"
            }
         }
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

Request Body

The request accepts the following data in JSON format.

DataSetRefreshProperties

The dataset refresh properties.

Type: DataSetRefreshProperties object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

RegisterUser

Creates an Amazon QuickSight user whose identity is associated with the Amazon Identity and Access Management (IAM) identity or role specified in the request. When you register a new user from the Amazon QuickSight API, Amazon QuickSight generates a registration URL. The user accesses this registration URL to create their account. Amazon QuickSight doesn't send a registration email to users who are registered from the Amazon QuickSight API. If you want new users to receive a registration email, then add those users in the Amazon QuickSight console. For more information on registering a new user in the Amazon QuickSight console, see Inviting users to access Amazon QuickSight.

Request Syntax

```
POST /accounts/AwsAccountId/namespaces/Namespace/users HTTP/1.1
Content-type: application/json

{
   "CustomFederationProviderUrl": "string",
   "CustomPermissionsName": "string",
   "Email": "string",
   "ExternalLoginFederationProviderType": "string",
   "ExternalLoginId": "string",
   "IamArn": "string",
   "IdentityType": "string",
   "SessionName": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "UserName": "string",
   "UserRole": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Email

The email address of the user that you want to register.

Type: String

Required: Yes

IdentityType

The identity type that your Amazon QuickSight account uses to manage the identity of users.

Type: String

Valid Values: `IAM | QUICKSIGHT | IAM_IDENTITY_CENTER`

Required: Yes

UserRole

The Amazon QuickSight role for the user. The user role can be one of the following:

- READER: A user who has read-only access to dashboards.
- AUTHOR: A user who can create data sources, datasets, analyses, and dashboards.
- ADMIN: A user who is an author, who can also manage Amazon QuickSight settings.
- READER_PRO: Reader Pro adds Generative BI capabilities to the Reader role. Reader Pros have access to Amazon Q in Amazon QuickSight, can build stories with Amazon Q, and can generate executive summaries from dashboards.
- AUTHOR_PRO: Author Pro adds Generative BI capabilities to the Author role. Author Pros can author dashboards with natural language with Amazon Q, build stories with Amazon Q, create Topics for Q&A, and generate executive summaries from dashboards.
- ADMIN_PRO: Admin Pros are Author Pros who can also manage Amazon QuickSight administrative settings. Admin Pro users are billed at Author Pro pricing.
- RESTRICTED_READER: This role isn't currently available for use.
- RESTRICTED_AUTHOR: This role isn't currently available for use.

Type: String

Valid Values: ADMIN | AUTHOR | READER | RESTRICTED_AUTHOR | RESTRICTED_READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO

Required: Yes

CustomFederationProviderUrl

The URL of the custom OpenID Connect (OIDC) provider that provides identity to let a user federate into Amazon QuickSight with an associated Amazon Identity and Access Management(IAM) role. This parameter should only be used when ExternalLoginFederationProviderType parameter is set to CUSTOM_OIDC.

Type: String

Required: No

CustomPermissionsName

(Enterprise edition only) The name of the custom permissions profile that you want to assign to this user. Customized permissions allows you to control a user's access by restricting access the following operations:

- Create and update data sources
- Create and update datasets

- Create and update email reports
- Subscribe to email reports

To add custom permissions to an existing user, use `UpdateUser` instead.

A set of custom permissions includes any combination of these restrictions. Currently, you need to create the profile names for custom permission sets by using the Amazon QuickSight console. Then, you use the `RegisterUser` API operation to assign the named set of permissions to a Amazon QuickSight user.

Amazon QuickSight custom permissions are applied through IAM policies. Therefore, they override the permissions typically granted by assigning Amazon QuickSight users to one of the default security cohorts in Amazon QuickSight (admin, author, reader, admin pro, author pro, reader pro).

This feature is available only to Amazon QuickSight Enterprise edition subscriptions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: No

ExternalLoginFederationProviderType

The type of supported external login provider that provides identity to let a user federate into Amazon QuickSight with an associated Amazon Identity and Access Management(IAM) role. The type of supported external login provider can be one of the following.

- `COGNITO`: Amazon Cognito. The provider URL is cognito-identity.amazonaws.com. When choosing the `COGNITO` provider type, don't use the "CustomFederationProviderUrl" parameter which is only needed when the external provider is custom.
- `CUSTOM_OIDC`: Custom OpenID Connect (OIDC) provider. When choosing `CUSTOM_OIDC` type, use the `CustomFederationProviderUrl` parameter to provide the custom OIDC provider URL.

Type: String

Required: No

ExternalLoginId

The identity ID for a user in the external login provider.

Type: String

Required: No

IamArn

The ARN of the IAM user or role that you are registering with Amazon QuickSight.

Type: String

Required: No

SessionName

You need to use this parameter only when you register one or more users using an assumed IAM role. You don't need to provide the session name for other scenarios, for example when you are registering an IAM user or an Amazon QuickSight user. You can register multiple users using the same IAM role if each user has a different session name. For more information on assuming IAM roles, see `assume-role` in the *Amazon CLI Reference.*

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `[\w+=.@-]*`

Required: No

Tags

The tags to associate with the user.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

UserName

The Amazon QuickSight user name that you want to create for the user you are registering.

Type: String

Length Constraints: Minimum length of 1.

Pattern: [\u0020-\u00FF]+

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "User": {
      "Active": boolean,
      "Arn": "string",
      "CustomPermissionsName": "string",
      "Email": "string",
      "ExternalLoginFederationProviderType": "string",
      "ExternalLoginFederationProviderUrl": "string",
      "ExternalLoginId": "string",
      "IdentityType": "string",
      "PrincipalId": "string",
      "Role": "string",
      "UserName": "string"
   },
   "UserInvitationUrl": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

User

The user's user name.

Type: User object

UserInvitationUrl

The URL the user visits to complete registration and provide a password. This is returned only for users with an identity type of `QUICKSIGHT`.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

RestoreAnalysis

Restores an analysis.

Request Syntax

```
POST /accounts/AwsAccountId/restore/analyses/AnalysisId?restore-to-
folders=RestoreToFolders HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID of the analysis that you're restoring.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the analysis.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

RestoreToFolders

A boolean value that determines if the analysis will be restored to folders that it previously resided in. A `True` value restores analysis back to all folders that it previously resided in. A `False` value restores the analysis but does not restore the analysis back to all previously resided folders. Restoring a restricted analysis requires this parameter to be set to `True`.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnalysisId": "string",
   "Arn": "string",
   "RequestId": "string",
   "RestorationFailedFolderArns": [ "string" ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisId

The ID of the analysis that you're restoring.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Arn

The Amazon Resource Name (ARN) of the analysis that you're restoring.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

RestorationFailedFolderArns

A list of folder arns thatthe analysis failed to be restored to.

Type: Array of strings

Array Members: Maximum number of 1 item.

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchAnalyses

Searches for analyses that belong to the user specified in the filter.

> **Note**
>
> This operation is eventually consistent. The results are best effort and may not reflect very recent updates and changes.

Request Syntax

```
POST /accounts/AwsAccountId/search/analyses HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the analyses that you're searching for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

The structure for the search filters that you want to apply to your search.

Type: Array of AnalysisSearchFilter objects

Array Members: Fixed number of 1 item.

Required: Yes

MaxResults

The maximum number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

A pagination token that can be used in a subsequent request.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnalysisSummaryList": [
      {
         "AnalysisId": "string",
         "Arn": "string",
         "CreatedTime": number,
```

```
         "LastUpdatedTime": number,
         "Name": "string",
         "Status": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisSummaryList

Metadata describing the analyses that you searched for.

Type: Array of AnalysisSummary objects

Array Members: Maximum number of 100 items.

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchDashboards

Searches for dashboards that belong to a user.

> **Note**
>
> This operation is eventually consistent. The results are best effort and may not reflect very recent updates and changes.

Request Syntax

```
POST /accounts/AwsAccountId/search/dashboards HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the user whose dashboards you're searching for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

The filters to apply to the search. Currently, you can search only by user name, for example, `"Filters": [ { "Name": "QUICKSIGHT_USER", "Operator": "StringEquals", "Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1" } ]`

Type: Array of DashboardSearchFilter objects

Array Members: Fixed number of 1 item.

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
```

```
            "DashboardId": "string",
            "LastPublishedTime": number,
            "LastUpdatedTime": number,
            "Name": "string",
            "PublishedVersionNumber": number
        }
    ],
    "NextToken": "string",
    "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardSummaryList

The list of dashboards owned by the user specified in `Filters` in your request.

Type: Array of DashboardSummary objects

Array Members: Maximum number of 100 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchDataSets

Use the `SearchDataSets` operation to search for datasets that belong to an account.

Request Syntax

```
POST /accounts/AwsAccountId/search/data-sets HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

The filters to apply to the search.

Type: Array of DataSetSearchFilter objects

Array Members: Fixed number of 1 item.

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

A pagination token that can be used in a subsequent request.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSetSummaries": [
      {
         "Arn": "string",
         "ColumnLevelPermissionRulesApplied": boolean,
         "CreatedTime": number,
         "DataSetId": "string",
         "ImportMode": "string",
         "LastUpdatedTime": number,
         "Name": "string",
         "RowLevelPermissionDataSet": {
            "Arn": "string",
            "FormatVersion": "string",
            "Namespace": "string",
```

```
            "PermissionPolicy": "string",
            "Status": "string"
         },
         "RowLevelPermissionTagConfigurationApplied": boolean,
         "UseAs": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSetSummaries

A `DataSetSummaries` object that returns a summary of a dataset.

Type: Array of DataSetSummary objects

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchDataSources

Use the `SearchDataSources` operation to search for data sources that belong to an account.

Request Syntax

```
POST /accounts/AwsAccountId/search/data-sources HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

The filters to apply to the search.

Type: Array of DataSourceSearchFilter objects

Array Members: Fixed number of 1 item.

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

A pagination token that can be used in a subsequent request.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSourceSummaries": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "DataSourceId": "string",
         "LastUpdatedTime": number,
         "Name": "string",
         "Type": "string"
      }
   ],
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSourceSummaries

A `DataSourceSummaries` object that returns a summary of a data source.

Type: Array of DataSourceSummary objects

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchFolders

Searches the subfolders in a folder.

Request Syntax

```
POST /accounts/AwsAccountId/search/folders HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

The filters to apply to the search. Currently, you can search only by the parent folder ARN. For example, `"Filters": [ { "Name": "PARENT_FOLDER_ARN", "Operator":`

`"StringEquals", "Value": "arn:aws:quicksight:us-east-1:1:folder/folderId" } ].`

Type: Array of FolderSearchFilter objects

Array Members: Maximum number of 100 items.

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "FolderSummaryList": [
      {
         "Arn": "string",
         "CreatedTime": number,
         "FolderId": "string",
         "FolderType": "string",
         "LastUpdatedTime": number,
         "Name": "string",
         "SharingModel": "string"
      }
   ],
```

```
   "NextToken": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

FolderSummaryList

A structure that contains all of the folders in the Amazon account. This structure provides basic information about the folders.

Type: Array of FolderSummary objects

Array Members: Maximum number of 100 items.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchGroups

Use the `SearchGroups` operation to search groups in a specified Amazon QuickSight namespace using the supplied filters.

Request Syntax

```
POST /accounts/AwsAccountId/namespaces/Namespace/groups-search?max-
results=MaxResults&next-token=NextToken HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

MaxResults

The maximum number of results to return from this request.

Valid Range: Minimum value of 1. Maximum value of 100.

Namespace

The namespace that you want to search.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NextToken

A pagination token that can be used in a subsequent request.

Request Body

The request accepts the following data in JSON format.

Filters

The structure for the search filters that you want to apply to your search.

Type: Array of GroupSearchFilter objects

Array Members: Fixed number of 1 item.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "GroupList": [
      {
         "Arn": "string",
         "Description": "string",
         "GroupName": "string",
         "PrincipalId": "string"
      }
   ],
   "NextToken": "string",
```

```
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

GroupList

A list of groups in a specified namespace that match the filters you set in your `SearchGroups` request.

Type: Array of Group objects

NextToken

A pagination token that can be used in a subsequent request.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

SearchTopics

Searches for any Q topic that exists in an Amazon QuickSight account.

Request Syntax

```
POST /accounts/AwsAccountId/search/topics HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "Name": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic that you want to find.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

The filters that you want to use to search for the topic.

Type: Array of TopicSearchFilter objects

Array Members: Fixed number of 1 item.

Required: Yes

MaxResults

The maximum number of results to be returned per request.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "NextToken": "string",
   "RequestId": "string",
   "TopicSummaryList": [
      {
         "Arn": "string",
         "Name": "string",
         "TopicId": "string",
         "UserExperienceVersion": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

NextToken

The token for the next set of results, or null if there are no more results.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicSummaryList

A list of topic summaries that is returned by the search topic request.

Type: Array of TopicSummary objects

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidNextTokenException

The `NextToken` value isn't valid.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

StartAssetBundleExportJob

Starts an Asset Bundle export job.

An Asset Bundle export job exports specified Amazon QuickSight assets. You can also choose to export any asset dependencies in the same job. Export jobs run asynchronously and can be polled with a `DescribeAssetBundleExportJob` API call. When a job is successfully completed, a download URL that contains the exported assets is returned. The URL is valid for 5 minutes and can be refreshed with a `DescribeAssetBundleExportJob` API call. Each Amazon QuickSight account can run up to 5 export jobs concurrently.

The API caller must have the necessary permissions in their IAM role to access each resource before the resources can be exported.

Request Syntax

```
POST /accounts/AwsAccountId/asset-bundle-export-jobs/export HTTP/1.1
Content-type: application/json

{
   "AssetBundleExportJobId": "string",
   "CloudFormationOverridePropertyConfiguration": {
      "Analyses": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "Dashboards": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "DataSets": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "DataSources": [
         {
```

```
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "Folders": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "RefreshSchedules": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "ResourceIdOverrideConfiguration": {
         "PrefixForAllResources": boolean
      },
      "Themes": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ],
      "VPCConnections": [
         {
            "Arn": "string",
            "Properties": [ "string" ]
         }
      ]
   },
   "ExportFormat": "string",
   "IncludeAllDependencies": boolean,
   "IncludeFolderMembers": "string",
   "IncludeFolderMemberships": boolean,
   "IncludePermissions": boolean,
   "IncludeTags": boolean,
   "ResourceArns": [ "string" ],
   "ValidationStrategy": {
      "StrictModeForAllResources": boolean
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account to export assets from.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AssetBundleExportJobId

The ID of the job. This ID is unique while the job is running. After the job is completed, you can reuse this ID for another job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ExportFormat

The export data format.

Type: String

Valid Values: `CLOUDFORMATION_JSON | QUICKSIGHT_JSON`

Required: Yes

ResourceArns

An array of resource ARNs to export. The following resources are supported.

- `Analysis`
- `Dashboard`
- `DataSet`
- `DataSource`
- `RefreshSchedule`
- `Theme`
- `VPCConnection`

The API caller must have the necessary permissions in their IAM role to access each resource before the resources can be exported.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

CloudFormationOverridePropertyConfiguration

An optional collection of structures that generate Amazon CloudFormation parameters to override the existing resource property values when the resource is exported to a new Amazon CloudFormation template.

Use this field if the `ExportFormat` field of a `StartAssetBundleExportJobRequest` API call is set to `CLOUDFORMATION_JSON`.

Type: AssetBundleCloudFormationOverridePropertyConfiguration object

Required: No

IncludeAllDependencies

A Boolean that determines whether all dependencies of each resource ARN are recursively exported with the job. For example, say you provided a Dashboard ARN to the `ResourceArns` parameter. If you set `IncludeAllDependencies` to `TRUE`, any theme, dataset, and data source resource that is a dependency of the dashboard is also exported.

Type: Boolean

Required: No

IncludeFolderMembers

A setting that indicates whether you want to include folder assets. You can also use this setting to recusrsively include all subfolders of an exported folder.

Type: String

Valid Values: `RECURSE | ONE_LEVEL | NONE`

Required: No

IncludeFolderMemberships

A Boolean that determines if the exported asset carries over information about the folders that the asset is a member of.

Type: Boolean

Required: No

IncludePermissions

A Boolean that determines whether all permissions for each resource ARN are exported with the job. If you set `IncludePermissions` to `TRUE`, any permissions associated with each resource are exported.

Type: Boolean

Required: No

IncludeTags

A Boolean that determines whether all tags for each resource ARN are exported with the job. If you set `IncludeTags` to `TRUE`, any tags associated with each resource are exported.

Type: Boolean

Required: No

ValidationStrategy

An optional parameter that determines which validation strategy to use for the export job. If `StrictModeForAllResources` is set to `TRUE`, strict validation for every error is enforced. If it is set to `FALSE`, validation is skipped for specific UI errors that are shown as warnings. The default value for `StrictModeForAllResources` is `FALSE`.

Type: AssetBundleExportJobValidationStrategy object

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "AssetBundleExportJobId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the export job.

Type: String

AssetBundleExportJobId

The ID of the job. This ID is unique while the job is running. After the job is completed, you can reuse this ID for another job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

RequestId

The Amazon response ID for this operation.

Type: String

Pattern: `.*\S.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

StartAssetBundleImportJob

Starts an Asset Bundle import job.

An Asset Bundle import job imports specified Amazon QuickSight assets into an Amazon QuickSight account. You can also choose to import a naming prefix and specified configuration overrides. The assets that are contained in the bundle file that you provide are used to create or update a new or existing asset in your Amazon QuickSight account. Each Amazon QuickSight account can run up to 5 import jobs concurrently.

The API caller must have the necessary "create", "describe", and "update" permissions in their IAM role to access each resource type that is contained in the bundle file before the resources can be imported.

Request Syntax

```
POST /accounts/AwsAccountId/asset-bundle-import-jobs/import HTTP/1.1
Content-type: application/json

{
   "AssetBundleImportJobId": "string",
   "AssetBundleImportSource": {
      "Body": blob,
      "S3Uri": "string"
   },
   "FailureAction": "string",
   "OverrideParameters": {
      "Analyses": [
         {
            "AnalysisId": "string",
            "Name": "string"
         }
      ],
      "Dashboards": [
         {
            "DashboardId": "string",
            "Name": "string"
         }
      ],
      "DataSets": [
         {
            "DataSetId": "string",
```

```
            "DataSetRefreshProperties": {
               "FailureConfiguration": {
                  "EmailAlert": {
                     "AlertStatus": "string"
                  }
               },
               "RefreshConfiguration": {
                  "IncrementalRefresh": {
                     "LookbackWindow": {
                        "ColumnName": "string",
                        "Size": number,
                        "SizeUnit": "string"
                     }
                  }
               }
            },
            "Name": "string"
         }
      ],
      "DataSources": [
         {
            "Credentials": {
               "CredentialPair": {
                  "Password": "string",
                  "Username": "string"
               },
               "SecretArn": "string"
            },
            "DataSourceId": "string",
            "DataSourceParameters": {
               "AmazonElasticsearchParameters": {
                  "Domain": "string"
               },
               "AmazonOpenSearchParameters": {
                  "Domain": "string"
               },
               "AthenaParameters": {
                  "IdentityCenterConfiguration": {
                     "EnableIdentityPropagation": boolean
                  },
                  "RoleArn": "string",
                  "WorkGroup": "string"
               },
               "AuroraParameters": {
```

```
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "AuroraPostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "AwsIotAnalyticsParameters": {
            "DataSetName": "string"
         },
         "BigQueryParameters": {
            "DataSetRegion": "string",
            "ProjectId": "string"
         },
         "DatabricksParameters": {
            "Host": "string",
            "Port": number,
            "SqlEndpointPath": "string"
         },
         "ExasolParameters": {
            "Host": "string",
            "Port": number
         },
         "JiraParameters": {
            "SiteBaseUrl": "string"
         },
         "MariaDbParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "MySqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "OracleParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number,
            "UseServiceName": boolean
         },
```

```
            "PostgreSqlParameters": {
               "Database": "string",
               "Host": "string",
               "Port": number
            },
            "PrestoParameters": {
               "Catalog": "string",
               "Host": "string",
               "Port": number
            },
            "RdsParameters": {
               "Database": "string",
               "InstanceId": "string"
            },
            "RedshiftParameters": {
               "ClusterId": "string",
               "Database": "string",
               "Host": "string",
               "IAMParameters": {
                  "AutoCreateDatabaseUser": boolean,
                  "DatabaseGroups": [ "string" ],
                  "DatabaseUser": "string",
                  "RoleArn": "string"
               },
               "IdentityCenterConfiguration": {
                  "EnableIdentityPropagation": boolean
               },
               "Port": number
            },
            "S3Parameters": {
               "ManifestFileLocation": {
                  "Bucket": "string",
                  "Key": "string"
               },
               "RoleArn": "string"
            },
            "ServiceNowParameters": {
               "SiteBaseUrl": "string"
            },
            "SnowflakeParameters": {
               "AuthenticationType": "string",
               "Database": "string",
               "DatabaseAccessControlRole": "string",
               "Host": "string",
```

```
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
               "TokenProviderUrl": "string"
            },
            "Warehouse": "string"
         },
         "SparkParameters": {
            "Host": "string",
            "Port": number
         },
         "SqlServerParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "StarburstParameters": {
            "AuthenticationType": "string",
            "Catalog": "string",
            "DatabaseAccessControlRole": "string",
            "Host": "string",
            "OAuthParameters": {
               "IdentityProviderResourceUri": "string",
               "IdentityProviderVpcConnectionProperties": {
                  "VpcConnectionArn": "string"
               },
               "OAuthScope": "string",
               "TokenProviderUrl": "string"
            },
            "Port": number,
            "ProductType": "string"
         },
         "TeradataParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "TrinoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
```

```
            },
            "TwitterParameters": {
               "MaxRows": number,
               "Query": "string"
            }
         },
         "Name": "string",
         "SslProperties": {
            "DisableSsl": boolean
         },
         "VpcConnectionProperties": {
            "VpcConnectionArn": "string"
         }
      }
   ],
   "Folders": [
      {
         "FolderId": "string",
         "Name": "string",
         "ParentFolderArn": "string"
      }
   ],
   "RefreshSchedules": [
      {
         "DataSetId": "string",
         "ScheduleId": "string",
         "StartAfterDateTime": number
      }
   ],
   "ResourceIdOverrideConfiguration": {
      "PrefixForAllResources": "string"
   },
   "Themes": [
      {
         "Name": "string",
         "ThemeId": "string"
      }
   ],
   "VPCConnections": [
      {
         "DnsResolvers": [ "string" ],
         "Name": "string",
         "RoleArn": "string",
         "SecurityGroupIds": [ "string" ],
```

```
            "SubnetIds": [ "string" ],
            "VPCConnectionId": "string"
         }
      ]
   },
   "OverridePermissions": {
      "Analyses": [
         {
            "AnalysisIds": [ "string" ],
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "Dashboards": [
         {
            "DashboardIds": [ "string" ],
            "LinkSharingConfiguration": {
               "Permissions": {
                  "Actions": [ "string" ],
                  "Principals": [ "string" ]
               }
            },
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "DataSets": [
         {
            "DataSetIds": [ "string" ],
            "Permissions": {
               "Actions": [ "string" ],
               "Principals": [ "string" ]
            }
         }
      ],
      "DataSources": [
         {
            "DataSourceIds": [ "string" ],
            "Permissions": {
               "Actions": [ "string" ],
```

```
            "Principals": [ "string" ]
         }
      }
   ],
   "Folders": [
      {
         "FolderIds": [ "string" ],
         "Permissions": {
            "Actions": [ "string" ],
            "Principals": [ "string" ]
         }
      }
   ],
   "Themes": [
      {
         "Permissions": {
            "Actions": [ "string" ],
            "Principals": [ "string" ]
         },
         "ThemeIds": [ "string" ]
      }
   ]
},
"OverrideTags": {
   "Analyses": [
      {
         "AnalysisIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "Dashboards": [
      {
         "DashboardIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
```

```
      }
   ],
   "DataSets": [
      {
         "DataSetIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "DataSources": [
      {
         "DataSourceIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "Folders": [
      {
         "FolderIds": [ "string" ],
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "Themes": [
      {
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "ThemeIds": [ "string" ]
```

```
            }
         ],
         "VPCConnections": [
            {
               "Tags": [
                  {
                     "Key": "string",
                     "Value": "string"
                  }
               ],
               "VPCConnectionIds": [ "string" ]
            }
         ]
      },
      "OverrideValidationStrategy": {
         "StrictModeForAllResources": boolean
      }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account to import assets into.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AssetBundleImportJobId

The ID of the job. This ID is unique while the job is running. After the job is completed, you can reuse this ID for another job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AssetBundleImportSource

The source of the asset bundle zip file that contains the data that you want to import. The file must be in `QUICKSIGHT_JSON` format.

Type: AssetBundleImportSource object

Required: Yes

FailureAction

The failure action for the import job.

If you choose `ROLLBACK`, failed import jobs will attempt to undo any asset changes caused by the failed job.

If you choose `DO_NOTHING`, failed import jobs will not attempt to roll back any asset changes caused by the failed job, possibly keeping the Amazon QuickSight account in an inconsistent state.

Type: String

Valid Values: `DO_NOTHING | ROLLBACK`

Required: No

OverrideParameters

Optional overrides that are applied to the resource configuration before import.

Type: AssetBundleImportJobOverrideParameters object

Required: No

OverridePermissions

Optional permission overrides that are applied to the resource configuration before import.

Type: AssetBundleImportJobOverridePermissions object

Required: No

OverrideTags

Optional tag overrides that are applied to the resource configuration before import.

Type: AssetBundleImportJobOverrideTags object

Required: No

OverrideValidationStrategy

An optional validation strategy override for all analyses and dashboards that is applied to the resource configuration before import.

Type: AssetBundleImportJobOverrideValidationStrategy object

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "AssetBundleImportJobId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the import job.

Type: String

AssetBundleImportJobId

The ID of the job. This ID is unique while the job is running. After the job is completed, you can reuse this ID for another job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

RequestId

The Amazon response ID for this operation.

Type: String

Pattern: `.*\S.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3

- Amazon SDK for Python
- Amazon SDK for Ruby V3

StartDashboardSnapshotJob

Starts an asynchronous job that generates a snapshot of a dashboard's output. You can request one or several of the following format configurations in each API call.

- 1 Paginated PDF
- 1 Excel workbook that includes up to 5 table or pivot table visuals
- 5 CSVs from table or pivot table visuals

The status of a submitted job can be polled with the `DescribeDashboardSnapshotJob` API. When you call the `DescribeDashboardSnapshotJob` API, check the `JobStatus` field in the response. Once the job reaches a `COMPLETED` or `FAILED` status, use the `DescribeDashboardSnapshotJobResult` API to obtain the URLs for the generated files. If the job fails, the `DescribeDashboardSnapshotJobResult` API returns detailed information about the error that occurred.

StartDashboardSnapshotJob API throttling

Amazon QuickSight utilizes API throttling to create a more consistent user experience within a time span for customers when they call the `StartDashboardSnapshotJob`. By default, 12 jobs can run simlutaneously in one Amazon account and users can submit up 10 API requests per second before an account is throttled. If an overwhelming number of API requests are made by the same user in a short period of time, Amazon QuickSight throttles the API calls to maintin an optimal experience and reliability for all Amazon QuickSight users.

Common throttling scenarios

The following list provides information about the most commin throttling scenarios that can occur.

- **A large number of `SnapshotExport` API jobs are running simultaneously on an Amazon account.** When a new `StartDashboardSnapshotJob` is created and there are already 12 jobs with the `RUNNING` status, the new job request fails and returns a `LimitExceededException` error. Wait for a current job to comlpete before you resubmit the new job.
- **A large number of API requests are submitted on an Amazon account.** When a user makes more than 10 API calls to the Amazon QuickSight API in one second, a `ThrottlingException` is returned.

If your use case requires a higher throttling limit, contact your account admin or AmazonSupport to explore options to tailor a more optimal expereince for your account.

Best practices to handle throttling

If your use case projects high levels of API traffic, try to reduce the degree of frequency and parallelism of API calls as much as you can to avoid throttling. You can also perform a timing test to calculate an estimate for the total processing time of your projected load that stays within the throttling limits of the Amazon QuickSight APIs. For example, if your projected traffic is 100 snapshot jobs before 12:00 PM per day, start 12 jobs in parallel and measure the amount of time it takes to proccess all 12 jobs. Once you obtain the result, multiply the duration by 9, for example `(12 minutes * 9 = 108 minutes)`. Use the new result to determine the latest time at which the jobs need to be started to meet your target deadline.

The time that it takes to process a job can be impacted by the following factors:

- The dataset type (Direct Query or SPICE).
- The size of the dataset.
- The complexity of the calculated fields that are used in the dashboard.
- The number of visuals that are on a sheet.
- The types of visuals that are on the sheet.
- The number of formats and snapshots that are requested in the job configuration.
- The size of the generated snapshots.

Request Syntax

```
POST /accounts/AwsAccountId/dashboards/DashboardId/snapshot-jobs HTTP/1.1
Content-type: application/json

{
   "SnapshotConfiguration": {
      "DestinationConfiguration": {
         "S3Destinations": [
            {
               "BucketConfiguration": {
                  "BucketName": "string",
                  "BucketPrefix": "string",
                  "BucketRegion": "string"
               }
```

```
            }
         ]
      },
      "FileGroups": [
         {
            "Files": [
               {
                  "FormatType": "string",
                  "SheetSelections": [
                     {
                        "SelectionScope": "string",
                        "SheetId": "string",
                        "VisualIds": [ "string" ]
                     }
                  ]
               }
            ]
         }
      ],
      "Parameters": {
         "DateTimeParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "DecimalParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "IntegerParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "StringParameters": [
            {
               "Name": "string",
               "Values": [ "string" ]
            }
         ]
```

```
      }
   },
   "SnapshotJobId": "string",
   "UserConfiguration": {
      "AnonymousUsers": [
         {
            "RowLevelPermissionTags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         }
      ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the dashboard snapshot job is executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID of the dashboard that you want to start a snapshot job for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

SnapshotConfiguration

A structure that describes the configuration of the dashboard snapshot.

Type: SnapshotConfiguration object

Required: Yes

SnapshotJobId

An ID for the dashboard snapshot job. This ID is unique to the dashboard while the job is running. This ID can be used to poll the status of a job with a `DescribeDashboardSnapshotJob` while the job runs. You can reuse this ID for another job 24 hours after the current job is completed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

UserConfiguration

A structure that contains information about the anonymous users that the generated snapshot is for. This API will not return information about registered Amazon QuickSight.

Type: SnapshotUserConfiguration object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "SnapshotJobId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the dashboard snapshot job.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

SnapshotJobId

The ID of the job. The job ID is set when you start a new job with a `StartDashboardSnapshotJob` API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedPricingPlanException

This error indicates that you are calling an embedding operation in Amazon QuickSight without the required pricing plan on your Amazon account. Before you can use embedding for anonymous users, a QuickSight administrator needs to add capacity pricing to Amazon QuickSight. You can do this on the **Manage Amazon QuickSight** page.

After capacity pricing is added, you can use the `GetDashboardEmbedUrl` API operation with the `--identity-type ANONYMOUS` option.

HTTP Status Code: 403

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

StartDashboardSnapshotJobSchedule

Starts an asynchronous job that runs an existing dashboard schedule and sends the dashboard snapshot through email.

Only one job can run simultaneously in a given schedule. Repeated requests are skipped with a 202 HTTP status code.

For more information, see Scheduling and sending Amazon QuickSight reports by email and Configuring email report settings for a Amazon QuickSight dashboard in the *Amazon QuickSight User Guide*.

Request Syntax

```
POST /accounts/AwsAccountId/dashboards/DashboardId/schedules/ScheduleId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that the dashboard snapshot job is executed in.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID of the dashboard that you want to start a snapshot job schedule for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ScheduleId

The ID of the schedule that you want to start a snapshot job schedule for. The schedule ID can be found in the Amazon QuickSight console in the **Schedules** pane of the dashboard that the schedule is configured for.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

TagResource

Assigns one or more tags (key-value pairs) to the specified Amazon QuickSight resource.

Tags can help you organize and categorize your resources. You can also use them to scope user permissions, by granting a user permission to access or change only resources with certain tag values. You can use the `TagResource` operation with a resource that already has tags. If you specify a new tag key for the resource, this tag is appended to the list of tags associated with the resource. If you specify a tag key that is already associated with the resource, the new tag value that you specify replaces the previous value for that tag.

You can associate as many as 50 tags with a resource. Amazon QuickSight supports tagging on data set, data source, dashboard, template, topic, and user.

Tagging for Amazon QuickSight works in a similar way to tagging for other Amazon services, except for the following:

- Tags are used to track costs for users in Amazon QuickSight. You can't tag other resources that Amazon QuickSight costs are based on, such as storage capacoty (SPICE), session usage, alert consumption, or reporting units.
- Amazon QuickSight doesn't currently support the tag editor for Amazon Resource Groups.

Request Syntax

```
POST /resources/ResourceArn/tags HTTP/1.1
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) of the resource that you want to tag.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

Contains a map of the key-value pairs for the resource tag or tags assigned to the resource.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UntagResource

Removes a tag or tags from a resource.

Request Syntax

```
DELETE /resources/ResourceArn/tags?keys=TagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

The Amazon Resource Name (ARN) of the resource that you want to untag.

Required: Yes

TagKeys

The keys of the key-value pairs for the resource tag or tags assigned to the resource.

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateAccountCustomization

Updates Amazon QuickSight customizations for the current Amazon Web Services Region. Currently, the only customization that you can use is a theme.

You can use customizations for your Amazon account or, if you specify a namespace, for a Amazon QuickSight namespace instead. Customizations that apply to a namespace override customizations that apply to an Amazon account. To find out which customizations apply, use the `DescribeAccountCustomization` API operation.

Request Syntax

```
PUT /accounts/AwsAccountId/customizations?namespace=Namespace HTTP/1.1
Content-type: application/json

{
   "AccountCustomization": {
      "DefaultEmailCustomizationTemplate": "string",
      "DefaultTheme": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to update Amazon QuickSight customizations for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that you want to update Amazon QuickSight customizations for.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Request Body

The request accepts the following data in JSON format.

AccountCustomization

The Amazon QuickSight customizations you're updating in the current Amazon Web Services Region.

Type: AccountCustomization object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AccountCustomization": {
      "DefaultEmailCustomizationTemplate": "string",
      "DefaultTheme": "string"
   },
   "Arn": "string",
   "AwsAccountId": "string",
   "Namespace": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AccountCustomization

The Amazon QuickSight customizations you're updating in the current Amazon Web Services Region.

Type: AccountCustomization object

Arn

The Amazon Resource Name (ARN) for the updated customization for this Amazon account.

Type: String

AwsAccountId

The ID for the Amazon account that you want to update Amazon QuickSight customizations for.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Namespace

The namespace associated with the customization that you're updating.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateAccountSettings

Updates the Amazon QuickSight settings in your Amazon account.

Request Syntax

```
PUT /accounts/AwsAccountId/settings HTTP/1.1
Content-type: application/json

{
   "DefaultNamespace": "string",
   "NotificationEmail": "string",
   "TerminationProtectionEnabled": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the Amazon QuickSight settings that you want to list.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DefaultNamespace

The default namespace for this Amazon account. Currently, the default is `default`. IAM users that register for the first time with Amazon QuickSight provide an email address that becomes associated with the default namespace.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

NotificationEmail

The email address that you want Amazon QuickSight to send notifications to regarding your Amazon account or Amazon QuickSight subscription.

Type: String

Required: No

TerminationProtectionEnabled

A boolean value that determines whether or not an Amazon QuickSight account can be deleted. A `True` value doesn't allow the account to be deleted and results in an error message if a user tries to make a `DeleteAccountSubscription` request. A `False` value will allow the account to be deleted.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateAnalysis

Updates an analysis in Amazon QuickSight

Request Syntax

```
PUT /accounts/AwsAccountId/analyses/AnalysisId HTTP/1.1
Content-type: application/json

{
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetIdentifierDeclarations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
      "QueryExecutionOptions": {
         "QueryExecutionMode": "string"
      },
      "Sheets": [
         { ... }
      ],
      "StaticFiles": [
```

```
            { ... }
         ]
      },
      "Name": "string",
      "Parameters": {
         "DateTimeParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "DecimalParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "IntegerParameters": [
            {
               "Name": "string",
               "Values": [ number ]
            }
         ],
         "StringParameters": [
            {
               "Name": "string",
               "Values": [ "string" ]
            }
         ]
      },
      "SourceEntity": {
         "SourceTemplate": {
            "Arn": "string",
            "DataSetReferences": [
               {
                  "DataSetArn": "string",
                  "DataSetPlaceholder": "string"
               }
            ]
         }
      },
      "ThemeArn": "string",
      "ValidationStrategy": {
         "Mode": "string"
```

```
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID for the analysis that you're updating. This ID displays in the URL of the analysis.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the analysis that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

A descriptive name for the analysis that you're updating. This name displays for the analysis in the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

Definition

The definition of an analysis.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Type: AnalysisDefinition object

Required: No

Parameters

The parameter names and override values that you want to use. An analysis can have any parameter type, and some parameters might accept multiple values.

Type: Parameters object

Required: No

SourceEntity

A source entity to use for the analysis that you're updating. This metadata structure contains details that describe a source template and one or more datasets.

Type: AnalysisSourceEntity object

Required: No

ThemeArn

The Amazon Resource Name (ARN) for the theme to apply to the analysis that you're creating. To see the theme in the Amazon QuickSight console, make sure that you have access to it.

Type: String

Required: No

ValidationStrategy

The option to relax the validation needed to update an analysis with definition objects. This skips the validation step for specific errors.

Type: ValidationStrategy object

Required: No

Response Syntax

```
HTTP/1.1 Status
```

```
Content-type: application/json

{
   "AnalysisId": "string",
   "Arn": "string",
   "RequestId": "string",
   "UpdateStatus": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisId

The ID of the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Arn

The ARN of the analysis that you're updating.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

UpdateStatus

The update status of the last update that was made to the analysis.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateAnalysisPermissions

Updates the read and write permissions for an analysis.

Request Syntax

```
PUT /accounts/AwsAccountId/analyses/AnalysisId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AnalysisId

The ID of the analysis whose permissions you're updating. The ID is part of the analysis URL.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the analysis whose permissions you're updating. You must be using the Amazon account that the analysis is in.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

A structure that describes the permissions to add and the principal to add them to.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

RevokePermissions

A structure that describes the permissions to remove and the principal to remove them from.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AnalysisArn": "string",
   "AnalysisId": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
```

```
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AnalysisArn

The Amazon Resource Name (ARN) of the analysis that you updated.

Type: String

AnalysisId

The ID of the analysis that you updated permissions for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Permissions

A structure that describes the principals and the resource-level permissions on an analysis.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateApplicationWithTokenExchangeGrant

Updates an Amazon QuickSight application with a token exchange grant. This operation only supports Amazon QuickSight applications that are registered with IAM Identity Center.

Request Syntax

```
PUT /accounts/AwsAccountId/application-with-token-exchange-grant?namespace=Namespace
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account to be updated with a token exchange grant.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace of the Amazon QuickSight application.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json
```

```
{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python

- Amazon SDK for Ruby V3

UpdateBrand

Updates a brand.

Request Syntax

```
PUT /accounts/AwsAccountId/brands/BrandId HTTP/1.1
Content-type: application/json

{
   "BrandDefinition": {
      "ApplicationTheme": {
         "BrandColorPalette": {
            "Accent": {
               "Background": "string",
               "Foreground": "string"
            },
            "Danger": {
               "Background": "string",
               "Foreground": "string"
            },
            "Dimension": {
               "Background": "string",
               "Foreground": "string"
            },
            "Info": {
               "Background": "string",
               "Foreground": "string"
            },
            "Measure": {
               "Background": "string",
               "Foreground": "string"
            },
            "Primary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Secondary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Success": {
               "Background": "string",
```

```
                "Foreground": "string"
            },
            "Warning": {
                "Background": "string",
                "Foreground": "string"
            }
        },
        "BrandElementStyle": {
            "NavbarStyle": {
                "ContextualNavbar": {
                    "Background": "string",
                    "Foreground": "string"
                },
                "GlobalNavbar": {
                    "Background": "string",
                    "Foreground": "string"
                }
            }
        }
    },
    "BrandName": "string",
    "Description": "string",
    "LogoConfiguration": {
        "AltText": "string",
        "LogoSet": {
            "Favicon": {
                "Original": {
                    "Source": { ... }
                }
            },
            "Primary": {
                "Original": {
                    "Source": { ... }
                }
            }
        }
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

BrandId

The ID of the Amazon QuickSight brand.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BrandDefinition

The definition of the brand.

Type: BrandDefinition object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "BrandDefinition": {
      "ApplicationTheme": {
         "BrandColorPalette": {
            "Accent": {
               "Background": "string",
               "Foreground": "string"
```

```
            },
            "Danger": {
               "Background": "string",
               "Foreground": "string"
            },
            "Dimension": {
               "Background": "string",
               "Foreground": "string"
            },
            "Info": {
               "Background": "string",
               "Foreground": "string"
            },
            "Measure": {
               "Background": "string",
               "Foreground": "string"
            },
            "Primary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Secondary": {
               "Background": "string",
               "Foreground": "string"
            },
            "Success": {
               "Background": "string",
               "Foreground": "string"
            },
            "Warning": {
               "Background": "string",
               "Foreground": "string"
            }
         },
         "BrandElementStyle": {
            "NavbarStyle": {
               "ContextualNavbar": {
                  "Background": "string",
                  "Foreground": "string"
               },
               "GlobalNavbar": {
                  "Background": "string",
                  "Foreground": "string"
               }
```

```
            }
         }
      },
      "BrandName": "string",
      "Description": "string",
      "LogoConfiguration": {
         "AltText": "string",
         "LogoSet": {
            "Favicon": {
               "Original": {
                  "Source": { ... }
               }
            },
            "Primary": {
               "Original": {
                  "Source": { ... }
               }
            }
         }
      }
   },
   "BrandDetail": {
      "Arn": "string",
      "BrandId": "string",
      "BrandStatus": "string",
      "CreatedTime": number,
      "Errors": [ "string" ],
      "LastUpdatedTime": number,
      "Logo": {
         "AltText": "string",
         "LogoSet": {
            "Favicon": {
               "Height32": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Height64": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Original": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               }
```

```
            },
            "Primary": {
               "Height32": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Height64": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               },
               "Original": {
                  "GeneratedImageUrl": "string",
                  "Source": { ... }
               }
            }
         }
      },
      "VersionId": "string",
      "VersionStatus": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BrandDefinition

The definition of the brand.

Type: BrandDefinition object

BrandDetail

The details of the brand.

Type: BrandDetail object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateBrandAssignment

Updates a brand assignment.

Request Syntax

```
PUT /accounts/AwsAccountId/brandassignments HTTP/1.1
Content-type: application/json

{
   "BrandArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand assignment.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BrandArn

The Amazon Resource Name (ARN) of the brand.

Type: String

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "BrandArn": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

BrandArn

The Amazon Resource Name (ARN) of the brand.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateBrandPublishedVersion

Updates the published version of a brand.

Request Syntax

```
PUT /accounts/AwsAccountId/brands/BrandId/publishedversion HTTP/1.1
Content-type: application/json

{
   "VersionId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that owns the brand.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

BrandId

The ID of the Amazon QuickSight brand.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

VersionId

The ID of the published version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RequestId": "string",
   "VersionId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

VersionId

The ID of the published version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An internal service exception.

HTTP Status Code: 500

InvalidRequestException

You don't have this feature activated for your account. To fix this issue, contact Amazon support.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateCustomPermissions

Updates a custom permissions profile.

Request Syntax

```
PUT /accounts/AwsAccountId/custom-permissions/CustomPermissionsName HTTP/1.1
Content-type: application/json

{
   "Capabilities": {
      "AddOrRunAnomalyDetectionForAnalyses": "string",
      "CreateAndUpdateDashboardEmailReports": "string",
      "CreateAndUpdateDatasets": "string",
      "CreateAndUpdateDataSources": "string",
      "CreateAndUpdateThemes": "string",
      "CreateAndUpdateThresholdAlerts": "string",
      "CreateSharedFolders": "string",
      "CreateSPICEDataset": "string",
      "ExportToCsv": "string",
      "ExportToCsvInScheduledReports": "string",
      "ExportToExcel": "string",
      "ExportToExcelInScheduledReports": "string",
      "ExportToPdf": "string",
      "ExportToPdfInScheduledReports": "string",
      "IncludeContentInScheduledReportsEmail": "string",
      "PrintReports": "string",
      "RenameSharedFolders": "string",
      "ShareAnalyses": "string",
      "ShareDashboards": "string",
      "ShareDatasets": "string",
      "ShareDataSources": "string",
      "SubscribeDashboardEmailReports": "string",
      "ViewAccountSPICECapacity": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the custom permissions profile that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

CustomPermissionsName

The name of the custom permissions profile that you want to update.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Capabilities

A set of actions to include in the custom permissions profile.

Type: Capabilities object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "Status": number
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the custom permissions profile.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDashboard

Updates a dashboard in an Amazon account.

> **Note**
>
> Updating a Dashboard creates a new dashboard version but does not immediately publish the new version. You can update the published version of a dashboard by using the UpdateDashboardPublishedVersion API operation.

Request Syntax

```
PUT /accounts/AwsAccountId/dashboards/DashboardId HTTP/1.1
Content-type: application/json

{
   "DashboardPublishOptions": {
      "AdHocFilteringOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointDrillUpDownOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointMenuLabelOption": {
         "AvailabilityStatus": "string"
      },
      "DataPointTooltipOption": {
         "AvailabilityStatus": "string"
      },
      "DataQAEnabledOption": {
         "AvailabilityStatus": "string"
      },
      "ExportToCSVOption": {
         "AvailabilityStatus": "string"
      },
      "ExportWithHiddenFieldsOption": {
         "AvailabilityStatus": "string"
      },
      "SheetControlsOption": {
         "VisibilityState": "string"
      },
```

```
      "SheetLayoutElementMaximizationOption": {
         "AvailabilityStatus": "string"
      },
      "VisualAxisSortOption": {
         "AvailabilityStatus": "string"
      },
      "VisualMenuOption": {
         "AvailabilityStatus": "string"
      },
      "VisualPublishOptions": {
         "ExportHiddenFieldsOption": {
            "AvailabilityStatus": "string"
         }
      }
   },
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetIdentifierDeclarations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
      "Sheets": [
         { ... }
      ],
```

```
      "StaticFiles": [
         { ... }
      ]
   },
   "Name": "string",
   "Parameters": {
      "DateTimeParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "DecimalParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "IntegerParameters": [
         {
            "Name": "string",
            "Values": [ number ]
         }
      ],
      "StringParameters": [
         {
            "Name": "string",
            "Values": [ "string" ]
         }
      ]
   },
   "SourceEntity": {
      "SourceTemplate": {
         "Arn": "string",
         "DataSetReferences": [
            {
               "DataSetArn": "string",
               "DataSetPlaceholder": "string"
            }
         ]
      }
   },
   "ThemeArn": "string",
   "ValidationStrategy": {
```

```
      "Mode": "string"
   },
   "VersionDescription": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The display name of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DashboardPublishOptions

Options for publishing the dashboard when you create it:

- `AvailabilityStatus` for `AdHocFilteringOption` - This status can be either `ENABLED` or `DISABLED`. When this is set to `DISABLED`, Amazon QuickSight disables the left filter pane on the published dashboard, which can be used for ad hoc (one-time) filtering. This option is `ENABLED` by default.
- `AvailabilityStatus` for `ExportToCSVOption` - This status can be either `ENABLED` or `DISABLED`. The visual option to export data to .CSV format isn't enabled when this is set to `DISABLED`. This option is `ENABLED` by default.
- `VisibilityState` for `SheetControlsOption` - This visibility state can be either `COLLAPSED` or `EXPANDED`. This option is `COLLAPSED` by default.

Type: DashboardPublishOptions object

Required: No

Definition

The definition of a dashboard.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Type: DashboardVersionDefinition object

Required: No

Parameters

A structure that contains the parameters of the dashboard. These are parameter overrides for a dashboard. A dashboard can have any type of parameters, and some parameters might accept multiple values.

Type: Parameters object

Required: No

SourceEntity

The entity that you are using as a source when you update the dashboard. In `SourceEntity`, you specify the type of object you're using as source. You can only update a dashboard from a template, so you use a `SourceTemplate` entity. If you need to update a dashboard from an analysis, first convert the analysis to a template by using the `CreateTemplate` API

operation. For `SourceTemplate`, specify the Amazon Resource Name (ARN) of the source template. The `SourceTemplate` ARN can contain any Amazon account and any Amazon QuickSight-supported Amazon Web Services Region.

Use the `DataSetReferences` entity within `SourceTemplate` to list the replacement datasets for the placeholders listed in the original. The schema in each dataset must match its placeholder.

Type: DashboardSourceEntity object

Required: No

ThemeArn

The Amazon Resource Name (ARN) of the theme that is being used for this dashboard. If you add a value for this field, it overrides the value that was originally associated with the entity. The theme ARN must exist in the same Amazon account where you create the dashboard.

Type: String

Required: No

ValidationStrategy

The option to relax the validation needed to update a dashboard with definition objects. This skips the validation step for specific errors.

Type: ValidationStrategy object

Required: No

VersionDescription

A description for the first version of the dashboard being created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "Arn": "string",
   "CreationStatus": "string",
   "DashboardId": "string",
   "RequestId": "string",
   "Status": number,
   "VersionArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

CreationStatus

The creation status of the request.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

DashboardId

The ID for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

VersionArn

The ARN of the dashboard, including the version number.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDashboardLinks

Updates the linked analyses on a dashboard.

Request Syntax

```
PUT /accounts/AwsAccountId/dashboards/DashboardId/linked-entities HTTP/1.1
Content-type: application/json

{
   "LinkEntities": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard whose links you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

LinkEntities

list of analysis Amazon Resource Names (ARNs) to be linked to the dashboard.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn:aws[\w\-]*:quicksight:[\w\-]+:\d+:analysis/[\w\-]{1,512}`

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardArn": "string",
   "LinkEntities": [ "string" ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardArn

The Amazon Resource Name (ARN) of the dashboard.

Type: String

LinkEntities

A list of analysis Amazon Resource Names (ARNs) to be linked to the dashboard.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn:aws[\w\-]*:quicksight:[\w\-]+:\d+:analysis/[\w\-]{1,512}`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDashboardPermissions

Updates read and write permissions on a dashboard.

Request Syntax

```
PUT /accounts/AwsAccountId/dashboards/DashboardId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantLinkPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokeLinkPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard whose permissions you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantLinkPermissions

Grants link permissions to all users in a defined namespace.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

GrantPermissions

The permissions that you want to grant on this resource.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

RevokeLinkPermissions

Revokes link permissions from all users in a defined namespace.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

RevokePermissions

The permissions that you want to revoke from this resource.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardArn": "string",
   "DashboardId": "string",
   "LinkSharingConfiguration": {
      "Permissions": [
         {
            "Actions": [ "string" ],
            "Principal": "string"
         }
      ]
   },
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardArn

The Amazon Resource Name (ARN) of the dashboard.

Type: String

DashboardId

The ID for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

LinkSharingConfiguration

Updates the permissions of a shared link to an Amazon QuickSight dashboard.

Type: LinkSharingConfiguration object

Permissions

Information about the permissions on the dashboard.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDashboardPublishedVersion

Updates the published version of a dashboard.

Request Syntax

```
PUT /accounts/AwsAccountId/dashboards/DashboardId/versions/VersionNumber HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DashboardId

The ID for the dashboard.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VersionNumber

The version number of the dashboard.

Valid Range: Minimum value of 1.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardArn": "string",
   "DashboardId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardArn

The Amazon Resource Name (ARN) of the dashboard.

Type: String

DashboardId

The ID for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDashboardsQAConfiguration

Updates a Dashboard QA configuration.

Request Syntax

```
PUT /accounts/AwsAccountId/dashboards-qa-configuration HTTP/1.1
Content-type: application/json

{
   "DashboardsQAStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the dashboard QA configuration that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DashboardsQAStatus

The status of dashboards QA configuration that you want to update.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DashboardsQAStatus": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DashboardsQAStatus

A value that indicates whether the dashboard QA configuration is enabled or not.

Type: String

Valid Values: `ENABLED | DISABLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDataSet

Updates a dataset. This operation doesn't support datasets that include uploaded files as a source. Partial updates are not supported by this operation.

Request Syntax

```
PUT /accounts/AwsAccountId/data-sets/DataSetId HTTP/1.1
Content-type: application/json

{
   "ColumnGroups": [
      {
         "GeoSpatialColumnGroup": {
            "Columns": [ "string" ],
            "CountryCode": "string",
            "Name": "string"
         }
      }
   ],
   "ColumnLevelPermissionRules": [
      {
         "ColumnNames": [ "string" ],
         "Principals": [ "string" ]
      }
   ],
   "DatasetParameters": [
      {
         "DateTimeDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ number ]
            },
            "Id": "string",
            "Name": "string",
            "TimeGranularity": "string",
            "ValueType": "string"
         },
         "DecimalDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ number ]
            },
            "Id": "string",
            "Name": "string",
```

```
            "ValueType": "string"
         },
         "IntegerDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ number ]
            },
            "Id": "string",
            "Name": "string",
            "ValueType": "string"
         },
         "StringDatasetParameter": {
            "DefaultValues": {
               "StaticValues": [ "string" ]
            },
            "Id": "string",
            "Name": "string",
            "ValueType": "string"
         }
      }
   ],
   "DataSetUsageConfiguration": {
      "DisableUseAsDirectQuerySource": boolean,
      "DisableUseAsImportedSource": boolean
   },
   "FieldFolders": {
      "string" : {
         "columns": [ "string" ],
         "description": "string"
      }
   },
   "ImportMode": "string",
   "LogicalTableMap": {
      "string" : {
         "Alias": "string",
         "DataTransforms": [
            {
               "CastColumnTypeOperation": {
                  "ColumnName": "string",
                  "Format": "string",
                  "NewColumnType": "string",
                  "SubType": "string"
               },
               "CreateColumnsOperation": {
                  "Columns": [
```

```
                    {
                        "ColumnId": "string",
                        "ColumnName": "string",
                        "Expression": "string"
                    }
                ]
            },
            "FilterOperation": {
                "ConditionExpression": "string"
            },
            "OverrideDatasetParameterOperation": {
                "NewDefaultValues": {
                    "DateTimeStaticValues": [ number ],
                    "DecimalStaticValues": [ number ],
                    "IntegerStaticValues": [ number ],
                    "StringStaticValues": [ "string" ]
                },
                "NewParameterName": "string",
                "ParameterName": "string"
            },
            "ProjectOperation": {
                "ProjectedColumns": [ "string" ]
            },
            "RenameColumnOperation": {
                "ColumnName": "string",
                "NewColumnName": "string"
            },
            "TagColumnOperation": {
                "ColumnName": "string",
                "Tags": [
                    {
                        "ColumnDescription": {
                            "Text": "string"
                        },
                        "ColumnGeographicRole": "string"
                    }
                ]
            },
            "UntagColumnOperation": {
                "ColumnName": "string",
                "TagNames": [ "string" ]
            }
        }
    ],
```

```
         "Source": {
            "DataSetArn": "string",
            "JoinInstruction": {
               "LeftJoinKeyProperties": {
                  "UniqueKey": boolean
               },
               "LeftOperand": "string",
               "OnClause": "string",
               "RightJoinKeyProperties": {
                  "UniqueKey": boolean
               },
               "RightOperand": "string",
               "Type": "string"
            },
            "PhysicalTableId": "string"
         }
      }
   },
   "Name": "string",
   "PerformanceConfiguration": {
      "UniqueKeys": [
         {
            "ColumnNames": [ "string" ]
         }
      ]
   },
   "PhysicalTableMap": {
      "string" : {
         "CustomSql": {
            "Columns": [
               {
                  "Name": "string",
                  "SubType": "string",
                  "Type": "string"
               }
            ],
            "DataSourceArn": "string",
            "Name": "string",
            "SqlQuery": "string"
         },
         "RelationalTable": {
            "Catalog": "string",
            "DataSourceArn": "string",
            "InputColumns": [
```

```
            {
               "Name": "string",
               "SubType": "string",
               "Type": "string"
            }
         ],
         "Name": "string",
         "Schema": "string"
      },
      "S3Source": {
         "DataSourceArn": "string",
         "InputColumns": [
            {
               "Name": "string",
               "SubType": "string",
               "Type": "string"
            }
         ],
         "UploadSettings": {
            "ContainsHeader": boolean,
            "Delimiter": "string",
            "Format": "string",
            "StartFromRow": number,
            "TextQualifier": "string"
         }
      }
   }
},
"RowLevelPermissionDataSet": {
   "Arn": "string",
   "FormatVersion": "string",
   "Namespace": "string",
   "PermissionPolicy": "string",
   "Status": "string"
},
"RowLevelPermissionTagConfiguration": {
   "Status": "string",
   "TagRuleConfigurations": [
      [ "string" ]
   ],
   "TagRules": [
      {
         "ColumnName": "string",
         "MatchAllValue": "string",
```

```
            "TagKey": "string",
            "TagMultiValueDelimiter": "string"
         }
      ]
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID for the dataset that you want to update. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ImportMode

Indicates whether you want to import the data into SPICE.

Type: String

Valid Values: `SPICE | DIRECT_QUERY`

Required: Yes

Name

The display name for the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

PhysicalTableMap

Declares the physical tables that are available in the underlying data sources.

Type: String to PhysicalTable object map

Map Entries: Minimum number of 0 items. Maximum number of 32 items.

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[0-9a-zA-Z-]*`

Required: Yes

ColumnGroups

Groupings of columns that work together in certain Amazon QuickSight features. Currently, only geospatial hierarchy is supported.

Type: Array of ColumnGroup objects

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Required: No

ColumnLevelPermissionRules

A set of one or more definitions of a `ColumnLevelPermissionRule` .

Type: Array of ColumnLevelPermissionRule objects

Array Members: Minimum number of 1 item.

Required: No

DatasetParameters

The parameter declarations of the dataset.

Type: Array of DatasetParameter objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

DataSetUsageConfiguration

The usage configuration to apply to child datasets that reference this dataset as a source.

Type: DataSetUsageConfiguration object

Required: No

FieldFolders

The folder that contains fields and nested subfolders for your dataset.

Type: String to FieldFolder object map

Key Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

LogicalTableMap

Configures the combination and transformation of the data from the physical tables.

Type: String to LogicalTable object map

Map Entries: Maximum number of 64 items.

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[0-9a-zA-Z-]*`

Required: No

PerformanceConfiguration

The configuration for the performance optimization of the dataset that contains a `UniqueKey` configuration.

Type: PerformanceConfiguration object

Required: No

RowLevelPermissionDataSet

The row-level security configuration for the data you want to create.

Type: RowLevelPermissionDataSet object

Required: No

RowLevelPermissionTagConfiguration

The configuration of tags on a dataset to set row-level security. Row-level security tags are currently supported for anonymous embedding only.

Type: RowLevelPermissionTagConfiguration object

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "DataSetId": "string",
   "IngestionArn": "string",
   "IngestionId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the dataset.

Type: String

DataSetId

The ID for the dataset that you want to create. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

IngestionArn

The ARN for the ingestion, which is triggered as a result of dataset creation if the import mode is SPICE.

Type: String

IngestionId

The ID of the ingestion, which is triggered as a result of dataset creation if the import mode is SPICE.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of UpdateDataSet.

Sample Request

```
POST /accounts/{AwsAccountId}/data-sets/{DataSetId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDataSetPermissions

Updates the permissions on a dataset.

The permissions resource is `arn:aws:quicksight:region:aws-account-id:dataset/data-set-id`.

Request Syntax

```
POST /accounts/AwsAccountId/data-sets/DataSetId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSetId

The ID for the dataset whose permissions you want to update. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

The resource permissions that you want to grant to the dataset.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

RevokePermissions

The resource permissions that you want to revoke from the dataset.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSetArn": "string",
   "DataSetId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

DataSetId

The ID for the dataset whose permissions you want to update. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateDataSetPermissions.

Sample Request

```
POST /accounts/{AwsAccountId}/data-sets/{DataSetId}/permissions HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDataSource

Updates a data source.

Request Syntax

```
PUT /accounts/AwsAccountId/data-sources/DataSourceId HTTP/1.1
Content-type: application/json

{
   "Credentials": {
      "CopySourceArn": "string",
      "CredentialPair": {
         "AlternateDataSourceParameters": [
            {
               "AmazonElasticsearchParameters": {
                  "Domain": "string"
               },
               "AmazonOpenSearchParameters": {
                  "Domain": "string"
               },
               "AthenaParameters": {
                  "IdentityCenterConfiguration": {
                     "EnableIdentityPropagation": boolean
                  },
                  "RoleArn": "string",
                  "WorkGroup": "string"
               },
               "AuroraParameters": {
                  "Database": "string",
                  "Host": "string",
                  "Port": number
               },
               "AuroraPostgreSqlParameters": {
                  "Database": "string",
                  "Host": "string",
                  "Port": number
               },
               "AwsIotAnalyticsParameters": {
                  "DataSetName": "string"
               },
               "BigQueryParameters": {
                  "DataSetRegion": "string",
```

```
            "ProjectId": "string"
         },
         "DatabricksParameters": {
            "Host": "string",
            "Port": number,
            "SqlEndpointPath": "string"
         },
         "ExasolParameters": {
            "Host": "string",
            "Port": number
         },
         "JiraParameters": {
            "SiteBaseUrl": "string"
         },
         "MariaDbParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "MySqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "OracleParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number,
            "UseServiceName": boolean
         },
         "PostgreSqlParameters": {
            "Database": "string",
            "Host": "string",
            "Port": number
         },
         "PrestoParameters": {
            "Catalog": "string",
            "Host": "string",
            "Port": number
         },
         "RdsParameters": {
            "Database": "string",
            "InstanceId": "string"
         },
```

```
            "RedshiftParameters": {
               "ClusterId": "string",
               "Database": "string",
               "Host": "string",
               "IAMParameters": {
                  "AutoCreateDatabaseUser": boolean,
                  "DatabaseGroups": [ "string" ],
                  "DatabaseUser": "string",
                  "RoleArn": "string"
               },
               "IdentityCenterConfiguration": {
                  "EnableIdentityPropagation": boolean
               },
               "Port": number
            },
            "S3Parameters": {
               "ManifestFileLocation": {
                  "Bucket": "string",
                  "Key": "string"
               },
               "RoleArn": "string"
            },
            "ServiceNowParameters": {
               "SiteBaseUrl": "string"
            },
            "SnowflakeParameters": {
               "AuthenticationType": "string",
               "Database": "string",
               "DatabaseAccessControlRole": "string",
               "Host": "string",
               "OAuthParameters": {
                  "IdentityProviderResourceUri": "string",
                  "IdentityProviderVpcConnectionProperties": {
                     "VpcConnectionArn": "string"
                  },
                  "OAuthScope": "string",
                  "TokenProviderUrl": "string"
               },
               "Warehouse": "string"
            },
            "SparkParameters": {
               "Host": "string",
               "Port": number
            },
```

```
            "SqlServerParameters": {
               "Database": "string",
               "Host": "string",
               "Port": number
            },
            "StarburstParameters": {
               "AuthenticationType": "string",
               "Catalog": "string",
               "DatabaseAccessControlRole": "string",
               "Host": "string",
               "OAuthParameters": {
                  "IdentityProviderResourceUri": "string",
                  "IdentityProviderVpcConnectionProperties": {
                     "VpcConnectionArn": "string"
                  },
                  "OAuthScope": "string",
                  "TokenProviderUrl": "string"
               },
               "Port": number,
               "ProductType": "string"
            },
            "TeradataParameters": {
               "Database": "string",
               "Host": "string",
               "Port": number
            },
            "TrinoParameters": {
               "Catalog": "string",
               "Host": "string",
               "Port": number
            },
            "TwitterParameters": {
               "MaxRows": number,
               "Query": "string"
            }
         }
      ],
      "Password": "string",
      "Username": "string"
   },
   "SecretArn": "string"
},
"DataSourceParameters": {
   "AmazonElasticsearchParameters": {
```

```
      "Domain": "string"
   },
   "AmazonOpenSearchParameters": {
      "Domain": "string"
   },
   "AthenaParameters": {
      "IdentityCenterConfiguration": {
         "EnableIdentityPropagation": boolean
      },
      "RoleArn": "string",
      "WorkGroup": "string"
   },
   "AuroraParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "AuroraPostgreSqlParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "AwsIotAnalyticsParameters": {
      "DataSetName": "string"
   },
   "BigQueryParameters": {
      "DataSetRegion": "string",
      "ProjectId": "string"
   },
   "DatabricksParameters": {
      "Host": "string",
      "Port": number,
      "SqlEndpointPath": "string"
   },
   "ExasolParameters": {
      "Host": "string",
      "Port": number
   },
   "JiraParameters": {
      "SiteBaseUrl": "string"
   },
   "MariaDbParameters": {
      "Database": "string",
      "Host": "string",
```

```
      "Port": number
   },
   "MySqlParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "OracleParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number,
      "UseServiceName": boolean
   },
   "PostgreSqlParameters": {
      "Database": "string",
      "Host": "string",
      "Port": number
   },
   "PrestoParameters": {
      "Catalog": "string",
      "Host": "string",
      "Port": number
   },
   "RdsParameters": {
      "Database": "string",
      "InstanceId": "string"
   },
   "RedshiftParameters": {
      "ClusterId": "string",
      "Database": "string",
      "Host": "string",
      "IAMParameters": {
         "AutoCreateDatabaseUser": boolean,
         "DatabaseGroups": [ "string" ],
         "DatabaseUser": "string",
         "RoleArn": "string"
      },
      "IdentityCenterConfiguration": {
         "EnableIdentityPropagation": boolean
      },
      "Port": number
   },
   "S3Parameters": {
      "ManifestFileLocation": {
```

```
            "Bucket": "string",
            "Key": "string"
         },
         "RoleArn": "string"
      },
      "ServiceNowParameters": {
         "SiteBaseUrl": "string"
      },
      "SnowflakeParameters": {
         "AuthenticationType": "string",
         "Database": "string",
         "DatabaseAccessControlRole": "string",
         "Host": "string",
         "OAuthParameters": {
            "IdentityProviderResourceUri": "string",
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
         },
         "Warehouse": "string"
      },
      "SparkParameters": {
         "Host": "string",
         "Port": number
      },
      "SqlServerParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "StarburstParameters": {
         "AuthenticationType": "string",
         "Catalog": "string",
         "DatabaseAccessControlRole": "string",
         "Host": "string",
         "OAuthParameters": {
            "IdentityProviderResourceUri": "string",
            "IdentityProviderVpcConnectionProperties": {
               "VpcConnectionArn": "string"
            },
            "OAuthScope": "string",
            "TokenProviderUrl": "string"
```

```
         },
         "Port": number,
         "ProductType": "string"
      },
      "TeradataParameters": {
         "Database": "string",
         "Host": "string",
         "Port": number
      },
      "TrinoParameters": {
         "Catalog": "string",
         "Host": "string",
         "Port": number
      },
      "TwitterParameters": {
         "MaxRows": number,
         "Query": "string"
      }
   },
   "Name": "string",
   "SslProperties": {
      "DisableSsl": boolean
   },
   "VpcConnectionProperties": {
      "VpcConnectionArn": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

A display name for the data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Credentials

The credentials that Amazon QuickSight that uses to connect to your underlying source. Currently, only credentials based on user name and password are supported.

Type: DataSourceCredentials object

Required: No

DataSourceParameters

The parameters that Amazon QuickSight uses to connect to your underlying source.

Type: DataSourceParameters object

Required: No

SslProperties

Secure Socket Layer (SSL) properties that apply when Amazon QuickSight connects to your underlying source.

Type: SslProperties object

Required: No

VpcConnectionProperties

Use this parameter only when you want Amazon QuickSight to use a VPC connection when connecting to your underlying source.

Type: VpcConnectionProperties object

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "DataSourceId": "string",
   "RequestId": "string",
   "UpdateStatus": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the data source.

Type: String

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

UpdateStatus

The update status of the data source's last update.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

CustomerManagedKeyUnavailableException

The customer managed key that is registered to your Amazon QuickSight account is unavailable.

HTTP Status Code: 400

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateDataSource.

Sample Request

```
PUT /accounts/{AwsAccountId}/data-sources/{DataSourceId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3

- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDataSourcePermissions

Updates the permissions to a data source.

Request Syntax

```
POST /accounts/AwsAccountId/data-sources/DataSourceId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

A list of resource permissions that you want to grant on the data source.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

RevokePermissions

A list of resource permissions that you want to revoke on the data source.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DataSourceArn": "string",
   "DataSourceId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DataSourceArn

The Amazon Resource Name (ARN) of the data source.

Type: String

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateDataSourcePermissions.

Sample Request

```
POST /accounts/{AwsAccountId}/data-sources/{DataSourceId}/permissions HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateDefaultQBusinessApplication

Updates a Amazon Q Business application that is linked to a Amazon QuickSight account.

Request Syntax

```
PUT /accounts/AwsAccountId/default-qbusiness-application?namespace=Namespace HTTP/1.1
Content-type: application/json

{
   "ApplicationId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon QuickSight account that is connected to the Amazon Q Business application that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The Amazon QuickSight namespace that contains the linked Amazon Q Business application. If this field is left blank, the default namespace is used. Currently, the default namespace is the only valid value for this parameter.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Request Body

The request accepts the following data in JSON format.

ApplicationId

The ID of the Amazon Q Business application that you want to update.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface

- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateFolder

Updates the name of a folder.

Request Syntax

```
PUT /accounts/AwsAccountId/folders/FolderId HTTP/1.1
Content-type: application/json

{
   "Name": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The name of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "FolderId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the folder.

Type: String

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateFolderPermissions

Updates permissions of a folder.

Request Syntax

```
PUT /accounts/AwsAccountId/folders/FolderId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that contains the folder to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

FolderId

The ID of the folder.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

The permissions that you want to grant on a resource. Namespace ARNs are not supported `Principal` values for folder permissions.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

RevokePermissions

The permissions that you want to revoke from a resource. Namespace ARNs are not supported `Principal` values for folder permissions.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Arn": "string",
   "FolderId": "string",
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
```

```
      }
   ],
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the folder.

Type: String

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Permissions

Information about the permissions for the folder.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight

currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateGroup

Changes a group description.

Request Syntax

```
PUT /accounts/AwsAccountId/namespaces/Namespace/groups/GroupName HTTP/1.1
Content-type: application/json

{
   "Description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the group is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

GroupName

The name of the group that you want to update.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Namespace

The namespace of the group that you want to update.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description for the group that you want to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Group": {
      "Arn": "string",
      "Description": "string",
      "GroupName": "string",
      "PrincipalId": "string"
   },
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Group

The name of the group.

Type: Group object

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateIAMPolicyAssignment

Updates an existing IAM policy assignment. This operation updates only the optional parameter or parameters that are specified in the request. This overwrites all of the users included in `Identities`.

Request Syntax

```
PUT /accounts/AwsAccountId/namespaces/Namespace/iam-policy-assignments/AssignmentName
 HTTP/1.1
Content-type: application/json

{
   "AssignmentStatus": "string",
   "Identities": {
      "string" : [ "string" ]
   },
   "PolicyArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AssignmentName

The name of the assignment, also called a rule. The name must be unique within the Amazon account.

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the IAM policy assignment.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace of the assignment.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AssignmentStatus

The status of the assignment. Possible values are as follows:

- `ENABLED` - Anything specified in this assignment is used when creating the data source.
- `DISABLED` - This assignment isn't used when creating the data source.
- `DRAFT` - This assignment is an unfinished draft and isn't used when creating the data source.

Type: String

Valid Values: `ENABLED | DRAFT | DISABLED`

Required: No

Identities

The Amazon QuickSight users, groups, or both that you want to assign the policy to.

Type: String to array of strings map

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: No

PolicyArn

The ARN for the IAM policy to apply to the Amazon QuickSight users and groups specified in this assignment.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AssignmentId": "string",
   "AssignmentName": "string",
   "AssignmentStatus": "string",
   "Identities": {
      "string" : [ "string" ]
   },
   "PolicyArn": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AssignmentId

The ID of the assignment.

Type: String

AssignmentName

The name of the assignment or rule.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

AssignmentStatus

The status of the assignment. Possible values are as follows:

- `ENABLED` - Anything specified in this assignment is used when creating the data source.
- `DISABLED` - This assignment isn't used when creating the data source.
- `DRAFT` - This assignment is an unfinished draft and isn't used when creating the data source.

Type: String

Valid Values: `ENABLED | DRAFT | DISABLED`

Identities

The Amazon QuickSight users, groups, or both that the IAM policy is assigned to.

Type: String to array of strings map

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

PolicyArn

The ARN for the IAM policy applied to the Amazon QuickSight users and groups specified in this assignment.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConcurrentUpdatingException

A resource is already in a state that indicates an operation is happening that must complete before a new update can be applied.

HTTP Status Code: 500

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateIdentityPropagationConfig

Adds or updates services and authorized targets to configure what the Amazon QuickSight IAM Identity Center application can access.

This operation is only supported for Amazon QuickSight accounts using IAM Identity Center

Request Syntax

```
POST /accounts/AwsAccountId/identity-propagation-config/Service HTTP/1.1
Content-type: application/json

{
   "AuthorizedTargets": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the identity propagation configuration that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Service

The name of the Amazon service that contains the authorized targets that you want to add or update.

Valid Values: `REDSHIFT | QBUSINESS | ATHENA`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AuthorizedTargets

Specifies a list of application ARNs that represent the authorized targets for a service.

Type: Array of strings

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3

- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateIpRestriction

Updates the content and status of IP rules. Traffic from a source is allowed when the source satisfies either the `IpRestrictionRule`, `VpcIdRestrictionRule`, or `VpcEndpointIdRestrictionRule`. To use this operation, you must provide the entire map of rules. You can use the `DescribeIpRestriction` operation to get the current rule map.

Request Syntax

```
POST /accounts/AwsAccountId/ip-restriction HTTP/1.1
Content-type: application/json

{
   "Enabled": boolean,
   "IpRestrictionRuleMap": {
      "string" : "string"
   },
   "VpcEndpointIdRestrictionRuleMap": {
      "string" : "string"
   },
   "VpcIdRestrictionRuleMap": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the IP rules.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Enabled

A value that specifies whether IP rules are turned on.

Type: Boolean

Required: No

IpRestrictionRuleMap

A map that describes the updated IP rules with CIDR ranges and descriptions.

Type: String to string map

Key Pattern: `^(([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])\.){3}([0-9]|[1-9][0-9]|1[0-9]{2}|2[0-4][0-9]|25[0-5])(\/(3[0-2]|[1-2][0-9]|[1-9]))$`

Value Length Constraints: Minimum length of 0. Maximum length of 150.

Required: No

VpcEndpointIdRestrictionRuleMap

A map of allowed VPC endpoint IDs and their corresponding rule descriptions.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `^vpce-[0-9a-z]*$`

Value Length Constraints: Minimum length of 0. Maximum length of 150.

Required: No

VpcIdRestrictionRuleMap

A map of VPC IDs and their corresponding rules. When you configure this parameter, traffic from all VPC endpoints that are present in the specified VPC is allowed.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: ^vpc-[0-9a-z]*$

Value Length Constraints: Minimum length of 0. Maximum length of 150.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "AwsAccountId": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

AwsAccountId

The ID of the Amazon account that contains the IP rules.

Type: String

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateKeyRegistration

Updates a customer managed key in a Amazon QuickSight account.

Request Syntax

```
POST /accounts/AwsAccountId/key-registration HTTP/1.1
Content-type: application/json

{
   "KeyRegistration": [
      {
         "DefaultKey": boolean,
         "KeyArn": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the customer managed key registration that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

KeyRegistration

A list of `RegisteredCustomerManagedKey` objects to be updated to the Amazon QuickSight account.

Type: Array of RegisteredCustomerManagedKey objects

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "FailedKeyRegistration": [
      {
         "KeyArn": "string",
         "Message": "string",
         "SenderFault": boolean,
         "StatusCode": number
      }
   ],
   "RequestId": "string",
   "SuccessfulKeyRegistration": [
      {
         "KeyArn": "string",
         "StatusCode": number
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

FailedKeyRegistration

A list of all customer managed key registrations that failed to update.

Type: Array of FailedKeyRegistrationEntry objects

RequestId

The Amazon request ID for this operation.

Type: String

Pattern: `.*\S.*`

SuccessfulKeyRegistration

A list of all customer managed key registrations that were successfully updated.

Type: Array of SuccessfulKeyRegistrationEntry objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdatePublicSharingSettings

Use the `UpdatePublicSharingSettings` operation to turn on or turn off the public sharing settings of an Amazon QuickSight dashboard.

To use this operation, turn on session capacity pricing for your Amazon QuickSight account.

Before you can turn on public sharing on your account, make sure to give public sharing permissions to an administrative user in the Amazon Identity and Access Management (IAM) console. For more information on using IAM with Amazon QuickSight, see Using Amazon QuickSight with IAM in the *Amazon QuickSight User Guide*.

Request Syntax

```
PUT /accounts/AwsAccountId/public-sharing-settings HTTP/1.1
Content-type: application/json

{
   "PublicSharingEnabled": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon Web Services account ID associated with your Amazon QuickSight subscription.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

PublicSharingEnabled

A Boolean value that indicates whether public sharing is turned on for an Amazon QuickSight account.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedPricingPlanException

This error indicates that you are calling an embedding operation in Amazon QuickSight without the required pricing plan on your Amazon account. Before you can use embedding for anonymous users, a QuickSight administrator needs to add capacity pricing to Amazon QuickSight. You can do this on the **Manage Amazon QuickSight** page.

After capacity pricing is added, you can use the `GetDashboardEmbedUrl` API operation with the `--identity-type ANONYMOUS` option.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateQPersonalizationConfiguration

Updates a personalization configuration.

Request Syntax

```
PUT /accounts/AwsAccountId/q-personalization-configuration HTTP/1.1
Content-type: application/json

{
   "PersonalizationMode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account account that contains the personalization configuration that the user wants to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

PersonalizationMode

An option to allow Amazon QuickSight to customize data stories with user specific metadata, specifically location and job information, in your IAM Identity Center instance.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "PersonalizationMode": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

PersonalizationMode

The personalization mode that is used for the personalization configuration.

Type: String

Valid Values: `ENABLED | DISABLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateQuickSightQSearchConfiguration

Updates the state of a Amazon QuickSight Q Search configuration.

Request Syntax

```
PUT /accounts/AwsAccountId/quicksight-q-search-configuration HTTP/1.1
Content-type: application/json

{
   "QSearchStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the Amazon QuickSight Q Search configuration that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

QSearchStatus

The status of the Amazon QuickSight Q Search configuration that the user wants to update.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "QSearchStatus": "string",
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

QSearchStatus

The status of the Amazon QuickSight Q Search configuration.

Type: String

Valid Values: `ENABLED | DISABLED`

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the

Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateRefreshSchedule

Updates a refresh schedule for a dataset.

Request Syntax

```
PUT /accounts/AwsAccountId/data-sets/DataSetId/refresh-schedules HTTP/1.1
Content-type: application/json

{
   "Schedule": {
      "Arn": "string",
      "RefreshType": "string",
      "ScheduleFrequency": {
         "Interval": "string",
         "RefreshOnDay": {
            "DayOfMonth": "string",
            "DayOfWeek": "string"
         },
         "TimeOfTheDay": "string",
         "Timezone": "string"
      },
      "ScheduleId": "string",
      "StartAfterDateTime": number
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID.

Length Constraints: Fixed length of 12.

Pattern: ^[0-9]{12}$

Required: Yes

DataSetId

The ID of the dataset.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Schedule

The refresh schedule.

Type: RefreshSchedule object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "RequestId": "string",
   "ScheduleId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the refresh schedule.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

ScheduleId

The ID of the refresh schedule.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateRoleCustomPermission

Updates the custom permissions that are associated with a role.

Request Syntax

```
PUT /accounts/AwsAccountId/namespaces/Namespace/roles/Role/custom-permission HTTP/1.1
Content-type: application/json

{
   "CustomPermissionsName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that you want to create a group in. The Amazon account ID that you provide must be the same Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that contains the role that you want to update.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

Role

The name of role tht you want to update.

Valid Values: `ADMIN | AUTHOR | READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CustomPermissionsName

The name of the custom permission that you want to update the role with.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RequestId": "string",
   "Status": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Status

The HTTP status of the request.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateSPICECapacityConfiguration

Updates the SPICE capacity configuration for a Amazon QuickSight account.

Request Syntax

```
POST /accounts/AwsAccountId/spice-capacity-configuration HTTP/1.1
Content-type: application/json

{
   "PurchaseMode": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the SPICE configuration that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

PurchaseMode

Determines how SPICE capacity can be purchased. The following options are available.

- `MANUAL`: SPICE capacity can only be purchased manually.
- `AUTO_PURCHASE`: Extra SPICE capacity is automatically purchased on your behalf as needed. SPICE capacity can also be purchased manually with this option.

Type: String

Valid Values: `MANUAL | AUTO_PURCHASE`

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

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- Amazon SDK for .NET
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- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTemplate

Updates a template from an existing Amazon QuickSight analysis or another template.

Request Syntax

```
PUT /accounts/AwsAccountId/templates/TemplateId HTTP/1.1
Content-type: application/json

{
   "Definition": {
      "AnalysisDefaults": {
         "DefaultNewSheetConfiguration": { ... }
      },
      "CalculatedFields": [
         { ... }
      ],
      "ColumnConfigurations": [
         { ... }
      ],
      "DataSetConfigurations": [
         { ... }
      ],
      "FilterGroups": [
         { ... }
      ],
      "Options": {
         "CustomActionDefaults": { ... },
         "ExcludedDataSetArns": [ "string" ],
         "QBusinessInsightsStatus": "string",
         "Timezone": "string",
         "WeekStart": "string"
      },
      "ParameterDeclarations": [
         { ... }
      ],
      "QueryExecutionOptions": {
         "QueryExecutionMode": "string"
      },
      "Sheets": [
         { ... }
      ],
      "StaticFiles": [
```

```
            { ... }
         ]
      },
      "Name": "string",
      "SourceEntity": {
         "SourceAnalysis": {
            "Arn": "string",
            "DataSetReferences": [
               {
                  "DataSetArn": "string",
                  "DataSetPlaceholder": "string"
               }
            ]
         },
         "SourceTemplate": {
            "Arn": "string"
         }
      },
      "ValidationStrategy": {
         "Mode": "string"
      },
      "VersionDescription": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the template that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Definition

The definition of a template.

A definition is the data model of all features in a Dashboard, Template, or Analysis.

Type: TemplateVersionDefinition object

Required: No

Name

The name for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

SourceEntity

The entity that you are using as a source when you update the template. In `SourceEntity`, you specify the type of object you're using as source: `SourceTemplate` for a template or `SourceAnalysis` for an analysis. Both of these require an Amazon Resource Name (ARN). For `SourceTemplate`, specify the ARN of the source template. For `SourceAnalysis`, specify the ARN of the source analysis. The `SourceTemplate` ARN can contain any Amazon account and any Amazon QuickSight-supported Amazon Web Services Region;.

Use the `DataSetReferences` entity within `SourceTemplate` or `SourceAnalysis` to list the replacement datasets for the placeholders listed in the original. The schema in each dataset must match its placeholder.

Type: TemplateSourceEntity object

Required: No

ValidationStrategy

The option to relax the validation needed to update a template with definition objects. This skips the validation step for specific errors.

Type: ValidationStrategy object

Required: No

VersionDescription

A description of the current template version that is being updated. Every time you call `UpdateTemplate`, you create a new version of the template. Each version of the template maintains a description of the version in the `VersionDescription` field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "CreationStatus": "string",
   "RequestId": "string",
   "TemplateId": "string",
   "VersionArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the template.

Type: String

CreationStatus

The creation status of the template.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

TemplateId

The ID for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

VersionArn

The ARN for the template, including the version information of the first version.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTemplateAlias

Updates the template alias of a template.

Request Syntax

```
PUT /accounts/AwsAccountId/templates/TemplateId/aliases/AliasName HTTP/1.1
Content-type: application/json

{
   "TemplateVersionNumber": number
}
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The alias of the template that you want to update. If you name a specific alias, you update the version that the alias points to. You can specify the latest version of the template by providing the keyword `$LATEST` in the `AliasName` parameter. The keyword `$PUBLISHED` doesn't apply to templates.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the template alias that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

TemplateVersionNumber

The version number of the template.

Type: Long

Valid Range: Minimum value of 1.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "TemplateAlias": {
      "AliasName": "string",
      "Arn": "string",
      "TemplateVersionNumber": number
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

TemplateAlias

The template alias.

Type: TemplateAlias object

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTemplatePermissions

Updates the resource permissions for a template.

Request Syntax

```
PUT /accounts/AwsAccountId/templates/TemplateId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the template.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TemplateId

The ID for the template.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

A list of resource permissions to be granted on the template.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

RevokePermissions

A list of resource permissions to be revoked from the template.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string",
```

```
   "TemplateArn": "string",
   "TemplateId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Permissions

A list of resource permissions to be set on the template.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

TemplateArn

The Amazon Resource Name (ARN) of the template.

Type: String

TemplateId

The ID for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTheme

Updates a theme.

Request Syntax

```
PUT /accounts/AwsAccountId/themes/ThemeId HTTP/1.1
Content-type: application/json

{
   "BaseThemeId": "string",
   "Configuration": {
      "DataColorPalette": {
         "Colors": [ "string" ],
         "EmptyFillColor": "string",
         "MinMaxGradient": [ "string" ]
      },
      "Sheet": {
         "Tile": {
            "Border": {
               "Show": boolean
            }
         },
         "TileLayout": {
            "Gutter": {
               "Show": boolean
            },
            "Margin": {
               "Show": boolean
            }
         }
      },
      "Typography": {
         "FontFamilies": [
            {
               "FontFamily": "string"
            }
         ]
      },
      "UIColorPalette": {
         "Accent": "string",
         "AccentForeground": "string",
         "Danger": "string",
```

```
            "DangerForeground": "string",
            "Dimension": "string",
            "DimensionForeground": "string",
            "Measure": "string",
            "MeasureForeground": "string",
            "PrimaryBackground": "string",
            "PrimaryForeground": "string",
            "SecondaryBackground": "string",
            "SecondaryForeground": "string",
            "Success": "string",
            "SuccessForeground": "string",
            "Warning": "string",
            "WarningForeground": "string"
        }
    },
    "Name": "string",
    "VersionDescription": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the theme that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

BaseThemeId

The theme ID, defined by Amazon QuickSight, that a custom theme inherits from. All themes initially inherit from a default Amazon QuickSight theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Configuration

The theme configuration, which contains the theme display properties.

Type: ThemeConfiguration object

Required: No

Name

The name for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

VersionDescription

A description of the theme version that you're updating Every time that you call `UpdateTheme`, you create a new version of the theme. Each version of the theme maintains a description of the version in `VersionDescription`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "CreationStatus": "string",
   "RequestId": "string",
   "ThemeId": "string",
   "VersionArn": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) for the theme.

Type: String

CreationStatus

The creation status of the theme.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

RequestId

The Amazon request ID for this operation.

Type: String

ThemeId

The ID for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

VersionArn

The Amazon Resource Name (ARN) for the new version of the theme.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin

- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateThemeAlias

Updates an alias of a theme.

Request Syntax

```
PUT /accounts/AwsAccountId/themes/ThemeId/aliases/AliasName HTTP/1.1
Content-type: application/json

{
   "ThemeVersionNumber": number
}
```

URI Request Parameters

The request uses the following URI parameters.

AliasName

The name of the theme alias that you want to update.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: Yes

AwsAccountId

The ID of the Amazon account that contains the theme alias that you're updating.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

ThemeVersionNumber

The version number of the theme that the alias should reference.

Type: Long

Valid Range: Minimum value of 1.

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "ThemeAlias": {
      "AliasName": "string",
      "Arn": "string",
      "ThemeVersionNumber": number
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

ThemeAlias

Information about the theme alias.

Type: ThemeAlias object

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

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- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateThemePermissions

Updates the resource permissions for a theme. Permissions apply to the action to grant or revoke permissions on, for example `"quicksight:DescribeTheme"`.

Theme permissions apply in groupings. Valid groupings include the following for the three levels of permissions, which are user, owner, or no permissions:

- User
  - `"quicksight:DescribeTheme"`
  - `"quicksight:DescribeThemeAlias"`
  - `"quicksight:ListThemeAliases"`
  - `"quicksight:ListThemeVersions"`
- Owner
  - `"quicksight:DescribeTheme"`
  - `"quicksight:DescribeThemeAlias"`
  - `"quicksight:ListThemeAliases"`
  - `"quicksight:ListThemeVersions"`
  - `"quicksight:DeleteTheme"`
  - `"quicksight:UpdateTheme"`
  - `"quicksight:CreateThemeAlias"`
  - `"quicksight:DeleteThemeAlias"`
  - `"quicksight:UpdateThemeAlias"`
  - `"quicksight:UpdateThemePermissions"`
  - `"quicksight:DescribeThemePermissions"`
- To specify no permissions, omit the permissions list.

Request Syntax

```
PUT /accounts/AwsAccountId/themes/ThemeId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
```

```
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the theme.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

ThemeId

The ID for the theme.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

A list of resource permissions to be granted for the theme.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

RevokePermissions

A list of resource permissions to be revoked from the theme.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string",
   "ThemeArn": "string",
   "ThemeId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Permissions

The resulting list of resource permissions for the theme.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

RequestId

The Amazon request ID for this operation.

Type: String

ThemeArn

The Amazon Resource Name (ARN) of the theme.

Type: String

ThemeId

The ID for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2

- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTopic

Updates a topic.

Request Syntax

```
PUT /accounts/AwsAccountId/topics/TopicId HTTP/1.1
Content-type: application/json

{
   "Topic": {
      "ConfigOptions": {
         "QBusinessInsightsEnabled": boolean
      },
      "DataSets": [
         {
            "CalculatedFields": [
               {
                  "Aggregation": "string",
                  "AllowedAggregations": [ "string" ],
                  "CalculatedFieldDescription": "string",
                  "CalculatedFieldName": "string",
                  "CalculatedFieldSynonyms": [ "string" ],
                  "CellValueSynonyms": [
                     {
                        "CellValue": "string",
                        "Synonyms": [ "string" ]
                     }
                  ],
                  "ColumnDataRole": "string",
                  "ComparativeOrder": {
                     "SpecifedOrder": [ "string" ],
                     "TreatUndefinedSpecifiedValues": "string",
                     "UseOrdering": "string"
                  },
                  "DefaultFormatting": {
                     "DisplayFormat": "string",
                     "DisplayFormatOptions": {
                        "BlankCellFormat": "string",
                        "CurrencySymbol": "string",
                        "DateFormat": "string",
                        "DecimalSeparator": "string",
                        "FractionDigits": number,
```

```
                    "GroupingSeparator": "string",
                    "NegativeFormat": {
                       "Prefix": "string",
                       "Suffix": "string"
                    },
                    "Prefix": "string",
                    "Suffix": "string",
                    "UnitScaler": "string",
                    "UseBlankCellFormat": boolean,
                    "UseGrouping": boolean
                 }
              },
              "DisableIndexing": boolean,
              "Expression": "string",
              "IsIncludedInTopic": boolean,
              "NeverAggregateInFilter": boolean,
              "NonAdditive": boolean,
              "NotAllowedAggregations": [ "string" ],
              "SemanticType": {
                 "FalseyCellValue": "string",
                 "FalseyCellValueSynonyms": [ "string" ],
                 "SubTypeName": "string",
                 "TruthyCellValue": "string",
                 "TruthyCellValueSynonyms": [ "string" ],
                 "TypeName": "string",
                 "TypeParameters": {
                    "string" : "string"
                 }
              },
              "TimeGgranularity": "string"
           }
        ],
        "Columns": [
           {
              "Aggregation": "string",
              "AllowedAggregations": [ "string" ],
              "CellValueSynonyms": [
                 {
                    "CellValue": "string",
                    "Synonyms": [ "string" ]
                 }
              ],
              "ColumnDataRole": "string",
              "ColumnDescription": "string",
```

```
            "ColumnFriendlyName": "string",
            "ColumnName": "string",
            "ColumnSynonyms": [ "string" ],
            "ComparativeOrder": {
               "SpecifedOrder": [ "string" ],
               "TreatUndefinedSpecifiedValues": "string",
               "UseOrdering": "string"
            },
            "DefaultFormatting": {
               "DisplayFormat": "string",
               "DisplayFormatOptions": {
                  "BlankCellFormat": "string",
                  "CurrencySymbol": "string",
                  "DateFormat": "string",
                  "DecimalSeparator": "string",
                  "FractionDigits": number,
                  "GroupingSeparator": "string",
                  "NegativeFormat": {
                     "Prefix": "string",
                     "Suffix": "string"
                  },
                  "Prefix": "string",
                  "Suffix": "string",
                  "UnitScaler": "string",
                  "UseBlankCellFormat": boolean,
                  "UseGrouping": boolean
               }
            },
            "DisableIndexing": boolean,
            "IsIncludedInTopic": boolean,
            "NeverAggregateInFilter": boolean,
            "NonAdditive": boolean,
            "NotAllowedAggregations": [ "string" ],
            "SemanticType": {
               "FalseyCellValue": "string",
               "FalseyCellValueSynonyms": [ "string" ],
               "SubTypeName": "string",
               "TruthyCellValue": "string",
               "TruthyCellValueSynonyms": [ "string" ],
               "TypeName": "string",
               "TypeParameters": {
                  "string" : "string"
               }
            },
```

```
            "TimeGranularity": "string"
         }
      ],
      "DataAggregation": {
         "DatasetRowDateGranularity": "string",
         "DefaultDateColumnName": "string"
      },
      "DatasetArn": "string",
      "DatasetDescription": "string",
      "DatasetName": "string",
      "Filters": [
         {
            "CategoryFilter": {
               "CategoryFilterFunction": "string",
               "CategoryFilterType": "string",
               "Constant": {
                  "CollectiveConstant": {
                     "ValueList": [ "string" ]
                  },
                  "ConstantType": "string",
                  "SingularConstant": "string"
               },
               "Inverse": boolean
            },
            "DateRangeFilter": {
               "Constant": {
                  "ConstantType": "string",
                  "RangeConstant": {
                     "Maximum": "string",
                     "Minimum": "string"
                  }
               },
               "Inclusive": boolean
            },
            "FilterClass": "string",
            "FilterDescription": "string",
            "FilterName": "string",
            "FilterSynonyms": [ "string" ],
            "FilterType": "string",
            "NumericEqualityFilter": {
               "Aggregation": "string",
               "Constant": {
                  "ConstantType": "string",
                  "SingularConstant": "string"
```

```
                    }
                },
                "NumericRangeFilter": {
                    "Aggregation": "string",
                    "Constant": {
                        "ConstantType": "string",
                        "RangeConstant": {
                            "Maximum": "string",
                            "Minimum": "string"
                        }
                    },
                    "Inclusive": boolean
                },
                "OperandFieldName": "string",
                "RelativeDateFilter": {
                    "Constant": {
                        "ConstantType": "string",
                        "SingularConstant": "string"
                    },
                    "RelativeDateFilterFunction": "string",
                    "TimeGranularity": "string"
                }
            }
        ],
        "NamedEntities": [
            {
                "Definition": [
                    {
                        "FieldName": "string",
                        "Metric": {
                            "Aggregation": "string",
                            "AggregationFunctionParameters": {
                                "string" : "string"
                            }
                        },
                        "PropertyName": "string",
                        "PropertyRole": "string",
                        "PropertyUsage": "string"
                    }
                ],
                "EntityDescription": "string",
                "EntityName": "string",
                "EntitySynonyms": [ "string" ],
                "SemanticEntityType": {
```

```
                    "SubTypeName": "string",
                    "TypeName": "string",
                    "TypeParameters": {
                       "string" : "string"
                    }
                 }
              }
           ]
        }
     ],
     "Description": "string",
     "Name": "string",
     "UserExperienceVersion": "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Topic

The definition of the topic that you want to update.

Type: TopicDetails object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "RefreshArn": "string",
   "RequestId": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the topic.

Type: String

RefreshArn

The Amazon Resource Name (ARN) of the topic refresh.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateTopic.

Sample Request

```
PUT /accounts/{AwsAccountId}/topics/{TopicId} HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET

- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTopicPermissions

Updates the permissions of a topic.

Request Syntax

```
PUT /accounts/AwsAccountId/topics/TopicId/permissions HTTP/1.1
Content-type: application/json

{
   "GrantPermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RevokePermissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic that you want to update the permissions for.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

GrantPermissions

The resource permissions that you want to grant to the topic.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

RevokePermissions

The resource permissions that you want to revoke from the topic.

Type: Array of ResourcePermission objects

Array Members: Maximum number of 100 items.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Permissions": [
      {
         "Actions": [ "string" ],
         "Principal": "string"
      }
   ],
   "RequestId": "string",
```

```
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Permissions

A list of resource permissions on the topic.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

Examples

Example

This example illustrates one usage of UpdateTopicPermissions.

Sample Request

```
PUT /accounts/{AwsAccountId}/topics/{TopicId}/permissions HTTP/1.1
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateTopicRefreshSchedule

Updates a topic refresh schedule.

Request Syntax

```
PUT /accounts/AwsAccountId/topics/TopicId/schedules/DatasetId HTTP/1.1
Content-type: application/json

{
   "RefreshSchedule": {
      "BasedOnSpiceSchedule": boolean,
      "IsEnabled": boolean,
      "RepeatAt": "string",
      "StartingAt": number,
      "Timezone": "string",
      "TopicScheduleType": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the topic whose refresh schedule you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

DatasetId

The ID of the dataset.

Required: Yes

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

RefreshSchedule

The definition of a refresh schedule.

Type: TopicRefreshSchedule object

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "DatasetArn": "string",
   "RequestId": "string",
   "TopicArn": "string",
   "TopicId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

RequestId

The Amazon request ID for this operation.

Type: String

TopicArn

The Amazon Resource Name (ARN) of the topic.

Type: String

TopicId

The ID of the topic that you want to modify. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceExistsException

The resource specified already exists.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

Examples

Example

This example illustrates one usage of UpdateTopicRefreshSchedule.

Sample Request

```
PUT /accounts/{AwsAccountId}/topics/{TopicId}/schedules/{ScheduleId} HTTP/1.1
```

```
Content-type: application/json
```

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateUser

Updates an Amazon QuickSight user.

Request Syntax

```
PUT /accounts/AwsAccountId/namespaces/Namespace/users/UserName HTTP/1.1
Content-type: application/json

{
   "CustomFederationProviderUrl": "string",
   "CustomPermissionsName": "string",
   "Email": "string",
   "ExternalLoginFederationProviderType": "string",
   "ExternalLoginId": "string",
   "Role": "string",
   "UnapplyCustomPermissions": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID for the Amazon account that the user is in. Currently, you use the ID for the Amazon account that contains your Amazon QuickSight account.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace. Currently, you should set this to `default`.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

UserName

The Amazon QuickSight user name that you want to update.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Email

The email address of the user that you want to update.

Type: String

Required: Yes

Role

The Amazon QuickSight role of the user. The role can be one of the following default security cohorts:

- `READER`: A user who has read-only access to dashboards.
- `AUTHOR`: A user who can create data sources, datasets, analyses, and dashboards.
- `ADMIN`: A user who is an author, who can also manage Amazon QuickSight settings.
- `READER_PRO`: Reader Pro adds Generative BI capabilities to the Reader role. Reader Pros have access to Amazon Q in Amazon QuickSight, can build stories with Amazon Q, and can generate executive summaries from dashboards.
- `AUTHOR_PRO`: Author Pro adds Generative BI capabilities to the Author role. Author Pros can author dashboards with natural language with Amazon Q, build stories with Amazon Q, create Topics for Q&A, and generate executive summaries from dashboards.
- `ADMIN_PRO`: Admin Pros are Author Pros who can also manage Amazon QuickSight administrative settings. Admin Pro users are billed at Author Pro pricing.

The name of the Amazon QuickSight role is invisible to the user except for the console screens dealing with permissions.

Type: String

Valid Values: `ADMIN | AUTHOR | READER | RESTRICTED_AUTHOR | RESTRICTED_READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO`

Required: Yes

CustomFederationProviderUrl

The URL of the custom OpenID Connect (OIDC) provider that provides identity to let a user federate into Amazon QuickSight with an associated Amazon Identity and Access Management(IAM) role. This parameter should only be used when `ExternalLoginFederationProviderType` parameter is set to `CUSTOM_OIDC`.

Type: String

Required: No

CustomPermissionsName

(Enterprise edition only) The name of the custom permissions profile that you want to assign to this user. Customized permissions allows you to control a user's access by restricting access the following operations:

- Create and update data sources
- Create and update datasets
- Create and update email reports
- Subscribe to email reports

A set of custom permissions includes any combination of these restrictions. Currently, you need to create the profile names for custom permission sets by using the Amazon QuickSight console. Then, you use the `RegisterUser` API operation to assign the named set of permissions to a Amazon QuickSight user.

Amazon QuickSight custom permissions are applied through IAM policies. Therefore, they override the permissions typically granted by assigning Amazon QuickSight users to one of the default security cohorts in Amazon QuickSight (admin, author, reader).

This feature is available only to Amazon QuickSight Enterprise edition subscriptions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: No

ExternalLoginFederationProviderType

The type of supported external login provider that provides identity to let a user federate into Amazon QuickSight with an associated Amazon Identity and Access Management(IAM) role. The type of supported external login provider can be one of the following.

- `COGNITO`: Amazon Cognito. The provider URL is cognito-identity.amazonaws.com. When choosing the `COGNITO` provider type, don't use the "CustomFederationProviderUrl" parameter which is only needed when the external provider is custom.
- `CUSTOM_OIDC`: Custom OpenID Connect (OIDC) provider. When choosing `CUSTOM_OIDC` type, use the `CustomFederationProviderUrl` parameter to provide the custom OIDC provider URL.
- `NONE`: This clears all the previously saved external login information for a user. Use the `DescribeUser` API operation to check the external login information.

Type: String

Required: No

ExternalLoginId

The identity ID for a user in the external login provider.

Type: String

Required: No

UnapplyCustomPermissions

A flag that you use to indicate that you want to remove all custom permissions from this user. Using this parameter resets the user to the state it was in before a custom permissions profile was applied. This parameter defaults to NULL and it doesn't accept any other value.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string",
   "User": {
      "Active": boolean,
      "Arn": "string",
      "CustomPermissionsName": "string",
      "Email": "string",
      "ExternalLoginFederationProviderType": "string",
      "ExternalLoginFederationProviderUrl": "string",
      "ExternalLoginId": "string",
      "IdentityType": "string",
      "PrincipalId": "string",
      "Role": "string",
      "UserName": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

User

The Amazon QuickSight user.

Type: User object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateUserCustomPermission

Updates a custom permissions profile for a user.

Request Syntax

```
PUT /accounts/AwsAccountId/namespaces/Namespace/users/UserName/custom-permission
 HTTP/1.1
Content-type: application/json

{
   "CustomPermissionsName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The ID of the Amazon account that contains the custom permission configuration that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

Namespace

The namespace that the user belongs to.

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: Yes

UserName

The username of the user that you want to update custom permissions for.

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

CustomPermissionsName

The name of the custom permissions that you want to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "RequestId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

RequestId

The Amazon request ID for this operation.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

PreconditionNotMetException

One or more preconditions aren't met.

HTTP Status Code: 400

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ResourceUnavailableException

This resource is currently unavailable.

HTTP Status Code: 503

ThrottlingException

Access is throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

UpdateVPCConnection

Updates a VPC connection.

Request Syntax

```
PUT /accounts/AwsAccountId/vpc-connections/VPCConnectionId HTTP/1.1
Content-type: application/json

{
   "DnsResolvers": [ "string" ],
   "Name": "string",
   "RoleArn": "string",
   "SecurityGroupIds": [ "string" ],
   "SubnetIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

AwsAccountId

The Amazon account ID of the account that contains the VPC connection that you want to update.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: Yes

VPCConnectionId

The ID of the VPC connection that you're updating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Name

The display name for the VPC connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

RoleArn

An IAM role associated with the VPC connection.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Required: Yes

SecurityGroupIds

A list of security group IDs for the VPC connection.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^sg-[0-9a-z]*$`

Required: Yes

SubnetIds

A list of subnet IDs for the VPC connection.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 15 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^subnet-[0-9a-z]*$

Required: Yes

DnsResolvers

A list of IP addresses of DNS resolver endpoints for the VPC connection.

Type: Array of strings

Array Members: Maximum number of 15 items.

Length Constraints: Minimum length of 7. Maximum length of 15.

Required: No

Response Syntax

```
HTTP/1.1 Status
Content-type: application/json

{
   "Arn": "string",
   "AvailabilityStatus": "string",
   "RequestId": "string",
   "UpdateStatus": "string",
   "VPCConnectionId": "string"
}
```

Response Elements

If the action is successful, the service sends back the following HTTP response.

Status

The HTTP status of the request.

The following data is returned in JSON format by the service.

Arn

The Amazon Resource Name (ARN) of the VPC connection.

Type: String

AvailabilityStatus

The availability status of the VPC connection.

Type: String

Valid Values: `AVAILABLE | UNAVAILABLE | PARTIALLY_AVAILABLE`

RequestId

The Amazon request ID for this operation.

Type: String

UpdateStatus

The update status of the VPC connection's last update.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETION_IN_PROGRESS | DELETION_FAILED | DELETED`

VPCConnectionId

The ID of the VPC connection that you are updating. This ID is a unique identifier for each Amazon Web Services Region in anAmazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You don't have access to this item. The provided credentials couldn't be validated. You might not be authorized to carry out the request. Make sure that your account is authorized to use the Amazon QuickSight service, that your policies have the correct permissions, and that you are using the correct credentials.

HTTP Status Code: 401

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalFailureException

An internal failure occurred.

HTTP Status Code: 500

InvalidParameterValueException

One or more parameters has a value that isn't valid.

HTTP Status Code: 400

LimitExceededException

A limit is exceeded.

HTTP Status Code: 409

ResourceNotFoundException

One or more resources can't be found.

HTTP Status Code: 404

ThrottlingException

Access is throttled.

HTTP Status Code: 429

UnsupportedUserEditionException

This error indicates that you are calling an operation on an Amazon QuickSight subscription where the edition doesn't include support for that operation. Amazon Amazon QuickSight currently has Standard Edition and Enterprise Edition. Not every operation and capability is available in every edition.

HTTP Status Code: 403

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon Command Line Interface
- Amazon SDK for .NET
- Amazon SDK for C++
- Amazon SDK for Go v2
- Amazon SDK for Java V2
- Amazon SDK for JavaScript V3
- Amazon SDK for Kotlin
- Amazon SDK for PHP V3
- Amazon SDK for Python
- Amazon SDK for Ruby V3

Data Types

The following data types are supported:

- AccountCustomization
- AccountInfo
- AccountSettings
- ActiveIAMPolicyAssignment
- AdHocFilteringOption
- AggFunction
- AggregationFunction
- AggregationPartitionBy
- AggregationSortConfiguration
- AllSheetsFilterScopeConfiguration
- AmazonElasticsearchParameters
- AmazonOpenSearchParameters
- AmazonQInQuickSightConsoleConfigurations

- AmazonQInQuickSightDashboardConfigurations
- Analysis
- AnalysisDefaults
- AnalysisDefinition
- AnalysisError
- AnalysisSearchFilter
- AnalysisSourceEntity
- AnalysisSourceTemplate
- AnalysisSummary
- Anchor
- AnchorDateConfiguration
- AnonymousUserDashboardEmbeddingConfiguration
- AnonymousUserDashboardFeatureConfigurations
- AnonymousUserDashboardVisualEmbeddingConfiguration
- AnonymousUserEmbeddingExperienceConfiguration
- AnonymousUserGenerativeQnAEmbeddingConfiguration
- AnonymousUserQSearchBarEmbeddingConfiguration
- AnonymousUserSnapshotJobResult
- ApplicationTheme
- ArcAxisConfiguration
- ArcAxisDisplayRange
- ArcConfiguration
- ArcOptions
- AssetBundleCloudFormationOverridePropertyConfiguration
- AssetBundleExportJobAnalysisOverrideProperties
- AssetBundleExportJobDashboardOverrideProperties
- AssetBundleExportJobDataSetOverrideProperties
- AssetBundleExportJobDataSourceOverrideProperties
- AssetBundleExportJobError
- AssetBundleExportJobFolderOverrideProperties

- AssetBundleExportJobRefreshScheduleOverrideProperties
- AssetBundleExportJobResourceIdOverrideConfiguration
- AssetBundleExportJobSummary
- AssetBundleExportJobThemeOverrideProperties
- AssetBundleExportJobValidationStrategy
- AssetBundleExportJobVPCConnectionOverrideProperties
- AssetBundleExportJobWarning
- AssetBundleImportJobAnalysisOverrideParameters
- AssetBundleImportJobAnalysisOverridePermissions
- AssetBundleImportJobAnalysisOverrideTags
- AssetBundleImportJobDashboardOverrideParameters
- AssetBundleImportJobDashboardOverridePermissions
- AssetBundleImportJobDashboardOverrideTags
- AssetBundleImportJobDataSetOverrideParameters
- AssetBundleImportJobDataSetOverridePermissions
- AssetBundleImportJobDataSetOverrideTags
- AssetBundleImportJobDataSourceCredentialPair
- AssetBundleImportJobDataSourceCredentials
- AssetBundleImportJobDataSourceOverrideParameters
- AssetBundleImportJobDataSourceOverridePermissions
- AssetBundleImportJobDataSourceOverrideTags
- AssetBundleImportJobError
- AssetBundleImportJobFolderOverrideParameters
- AssetBundleImportJobFolderOverridePermissions
- AssetBundleImportJobFolderOverrideTags
- AssetBundleImportJobOverrideParameters
- AssetBundleImportJobOverridePermissions
- AssetBundleImportJobOverrideTags
- AssetBundleImportJobOverrideValidationStrategy
- AssetBundleImportJobRefreshScheduleOverrideParameters

- AssetBundleImportJobResourceIdOverrideConfiguration
- AssetBundleImportJobSummary
- AssetBundleImportJobThemeOverrideParameters
- AssetBundleImportJobThemeOverridePermissions
- AssetBundleImportJobThemeOverrideTags
- AssetBundleImportJobVPCConnectionOverrideParameters
- AssetBundleImportJobVPCConnectionOverrideTags
- AssetBundleImportJobWarning
- AssetBundleImportSource
- AssetBundleImportSourceDescription
- AssetBundleResourceLinkSharingConfiguration
- AssetBundleResourcePermissions
- AssetOptions
- AthenaParameters
- AttributeAggregationFunction
- AuroraParameters
- AuroraPostgreSqlParameters
- AuthorizedTargetsByService
- AwsIotAnalyticsParameters
- AxisDataOptions
- AxisDisplayDataDrivenRange
- AxisDisplayMinMaxRange
- AxisDisplayOptions
- AxisDisplayRange
- AxisLabelOptions
- AxisLabelReferenceOptions
- AxisLinearScale
- AxisLogarithmicScale
- AxisScale
- AxisTickLabelOptions

- BarChartAggregatedFieldWells
- BarChartConfiguration
- BarChartFieldWells
- BarChartSortConfiguration
- BarChartVisual
- BigQueryParameters
- BinCountOptions
- BinWidthOptions
- BodySectionConfiguration
- BodySectionContent
- BodySectionDynamicCategoryDimensionConfiguration
- BodySectionDynamicNumericDimensionConfiguration
- BodySectionRepeatConfiguration
- BodySectionRepeatDimensionConfiguration
- BodySectionRepeatPageBreakConfiguration
- BookmarksConfigurations
- BorderStyle
- BoxPlotAggregatedFieldWells
- BoxPlotChartConfiguration
- BoxPlotFieldWells
- BoxPlotOptions
- BoxPlotSortConfiguration
- BoxPlotStyleOptions
- BoxPlotVisual
- BrandColorPalette
- BrandDefinition
- BrandDetail
- BrandElementStyle
- BrandSummary
- CalculatedColumn

- CalculatedField
- CalculatedMeasureField
- Capabilities
- CascadingControlConfiguration
- CascadingControlSource
- CastColumnTypeOperation
- CategoricalDimensionField
- CategoricalMeasureField
- CategoryDrillDownFilter
- CategoryFilter
- CategoryFilterConfiguration
- CategoryInnerFilter
- CellValueSynonym
- ChartAxisLabelOptions
- ClusterMarker
- ClusterMarkerConfiguration
- CollectiveConstant
- CollectiveConstantEntry
- ColorScale
- ColorsConfiguration
- ColumnConfiguration
- ColumnDescription
- ColumnGroup
- ColumnGroupColumnSchema
- ColumnGroupSchema
- ColumnHierarchy
- ColumnIdentifier
- ColumnLevelPermissionRule
- ColumnSchema
- ColumnSort

- ColumnTag
- ColumnTooltipItem
- ComboChartAggregatedFieldWells
- ComboChartConfiguration
- ComboChartFieldWells
- ComboChartSortConfiguration
- ComboChartVisual
- ComparativeOrder
- ComparisonConfiguration
- ComparisonFormatConfiguration
- Computation
- ConditionalFormattingColor
- ConditionalFormattingCustomIconCondition
- ConditionalFormattingCustomIconOptions
- ConditionalFormattingGradientColor
- ConditionalFormattingIcon
- ConditionalFormattingIconDisplayConfiguration
- ConditionalFormattingIconSet
- ConditionalFormattingSolidColor
- ContextMenuOption
- ContributionAnalysisDefault
- ContributionAnalysisFactor
- ContributionAnalysisTimeRanges
- CreateColumnsOperation
- CreateTopicReviewedAnswer
- CredentialPair
- CurrencyDisplayFormatConfiguration
- CustomActionFilterOperation
- CustomActionNavigationOperation
- CustomActionSetParametersOperation

- CustomActionURLOperation
- CustomColor
- CustomContentConfiguration
- CustomContentVisual
- CustomFilterConfiguration
- CustomFilterListConfiguration
- CustomNarrativeOptions
- CustomParameterValues
- CustomPermissions
- CustomSql
- CustomValuesConfiguration
- Dashboard
- DashboardError
- DashboardPublishOptions
- DashboardSearchFilter
- DashboardSourceEntity
- DashboardSourceTemplate
- DashboardSummary
- DashboardVersion
- DashboardVersionDefinition
- DashboardVersionSummary
- DashboardVisualId
- DashboardVisualPublishOptions
- DashboardVisualResult
- DataAggregation
- DataBarsOptions
- DatabricksParameters
- DataColor
- DataColorPalette
- DataFieldSeriesItem

- DataLabelOptions
- DataLabelType
- DataPathColor
- DataPathLabelType
- DataPathSort
- DataPathType
- DataPathValue
- DataPointDrillUpDownOption
- DataPointMenuLabelOption
- DataPointTooltipOption
- DataQAEnabledOption
- DataQnAConfigurations
- DataSet
- DataSetConfiguration
- DataSetIdentifierDeclaration
- DatasetMetadata
- DatasetParameter
- DataSetReference
- DataSetRefreshProperties
- DataSetSchema
- DataSetSearchFilter
- DataSetSummary
- DataSetUsageConfiguration
- DataSource
- DataSourceCredentials
- DataSourceErrorInfo
- DataSourceParameters
- DataSourceSearchFilter
- DataSourceSummary
- DataStoriesConfigurations

- DateAxisOptions
- DateDimensionField
- DateMeasureField
- DateTimeDatasetParameter
- DateTimeDatasetParameterDefaultValues
- DateTimeDefaultValues
- DateTimeFormatConfiguration
- DateTimeHierarchy
- DateTimeParameter
- DateTimeParameterDeclaration
- DateTimePickerControlDisplayOptions
- DateTimeValueWhenUnsetConfiguration
- DecimalDatasetParameter
- DecimalDatasetParameterDefaultValues
- DecimalDefaultValues
- DecimalParameter
- DecimalParameterDeclaration
- DecimalPlacesConfiguration
- DecimalValueWhenUnsetConfiguration
- DefaultDateTimePickerControlOptions
- DefaultFilterControlConfiguration
- DefaultFilterControlOptions
- DefaultFilterDropDownControlOptions
- DefaultFilterListControlOptions
- DefaultFormatting
- DefaultFreeFormLayoutConfiguration
- DefaultGridLayoutConfiguration
- DefaultInteractiveLayoutConfiguration
- DefaultNewSheetConfiguration
- DefaultPaginatedLayoutConfiguration

- DefaultRelativeDateTimeControlOptions
- DefaultSectionBasedLayoutConfiguration
- DefaultSliderControlOptions
- DefaultTextAreaControlOptions
- DefaultTextFieldControlOptions
- DestinationParameterValueConfiguration
- DimensionField
- DisplayFormatOptions
- DonutCenterOptions
- DonutOptions
- DrillDownFilter
- DropDownControlDisplayOptions
- DynamicDefaultValue
- EmptyVisual
- Entity
- ErrorInfo
- ExasolParameters
- ExcludePeriodConfiguration
- ExecutiveSummaryConfigurations
- ExplicitHierarchy
- ExportHiddenFieldsOption
- ExportToCSVOption
- ExportWithHiddenFieldsOption
- FailedKeyRegistrationEntry
- FieldBasedTooltip
- FieldFolder
- FieldLabelType
- FieldSeriesItem
- FieldSort
- FieldSortOptions

- FieldTooltipItem
- FilledMapAggregatedFieldWells
- FilledMapConditionalFormatting
- FilledMapConditionalFormattingOption
- FilledMapConfiguration
- FilledMapFieldWells
- FilledMapShapeConditionalFormatting
- FilledMapSortConfiguration
- FilledMapVisual
- Filter
- FilterAggMetrics
- FilterControl
- FilterCrossSheetControl
- FilterDateTimePickerControl
- FilterDropDownControl
- FilterGroup
- FilterListConfiguration
- FilterListControl
- FilterOperation
- FilterOperationSelectedFieldsConfiguration
- FilterOperationTargetVisualsConfiguration
- FilterRelativeDateTimeControl
- FilterScopeConfiguration
- FilterSelectableValues
- FilterSliderControl
- FilterTextAreaControl
- FilterTextFieldControl
- Folder
- FolderMember
- FolderSearchFilter

- FolderSummary
- Font
- FontConfiguration
- FontSize
- FontWeight
- ForecastComputation
- ForecastConfiguration
- ForecastScenario
- FormatConfiguration
- FreeFormLayoutCanvasSizeOptions
- FreeFormLayoutConfiguration
- FreeFormLayoutElement
- FreeFormLayoutElementBackgroundStyle
- FreeFormLayoutElementBorderStyle
- FreeFormLayoutScreenCanvasSizeOptions
- FreeFormSectionLayoutConfiguration
- FunnelChartAggregatedFieldWells
- FunnelChartConfiguration
- FunnelChartDataLabelOptions
- FunnelChartFieldWells
- FunnelChartSortConfiguration
- FunnelChartVisual
- GaugeChartArcConditionalFormatting
- GaugeChartColorConfiguration
- GaugeChartConditionalFormatting
- GaugeChartConditionalFormattingOption
- GaugeChartConfiguration
- GaugeChartFieldWells
- GaugeChartOptions
- GaugeChartPrimaryValueConditionalFormatting

- GaugeChartVisual
- GeneratedAnswerResult
- GenerativeAuthoringConfigurations
- GeospatialCategoricalColor
- GeospatialCategoricalDataColor
- GeospatialCircleRadius
- GeospatialCircleSymbolStyle
- GeospatialColor
- GeoSpatialColumnGroup
- GeospatialCoordinateBounds
- GeospatialDataSourceItem
- GeospatialGradientColor
- GeospatialGradientStepColor
- GeospatialHeatmapColorScale
- GeospatialHeatmapConfiguration
- GeospatialHeatmapDataColor
- GeospatialLayerColorField
- GeospatialLayerDefinition
- GeospatialLayerItem
- GeospatialLayerJoinDefinition
- GeospatialLayerMapConfiguration
- GeospatialLineLayer
- GeospatialLineStyle
- GeospatialLineSymbolStyle
- GeospatialLineWidth
- GeospatialMapAggregatedFieldWells
- GeospatialMapConfiguration
- GeospatialMapFieldWells
- GeospatialMapState
- GeospatialMapStyle

- GeospatialMapStyleOptions
- GeospatialMapVisual
- GeospatialNullDataSettings
- GeospatialNullSymbolStyle
- GeospatialPointLayer
- GeospatialPointStyle
- GeospatialPointStyleOptions
- GeospatialPolygonLayer
- GeospatialPolygonStyle
- GeospatialPolygonSymbolStyle
- GeospatialSolidColor
- GeospatialStaticFileSource
- GeospatialWindowOptions
- GlobalTableBorderOptions
- GradientColor
- GradientStop
- GridLayoutCanvasSizeOptions
- GridLayoutConfiguration
- GridLayoutElement
- GridLayoutScreenCanvasSizeOptions
- Group
- GroupMember
- GroupSearchFilter
- GrowthRateComputation
- GutterStyle
- HeaderFooterSectionConfiguration
- HeatMapAggregatedFieldWells
- HeatMapConfiguration
- HeatMapFieldWells
- HeatMapSortConfiguration

- HeatMapVisual
- HistogramAggregatedFieldWells
- HistogramBinOptions
- HistogramConfiguration
- HistogramFieldWells
- HistogramVisual
- IAMPolicyAssignment
- IAMPolicyAssignmentSummary
- Identifier
- IdentityCenterConfiguration
- Image
- ImageConfiguration
- ImageCustomAction
- ImageCustomActionOperation
- ImageInteractionOptions
- ImageMenuOption
- ImageSet
- ImageSetConfiguration
- ImageSource
- ImageStaticFile
- IncrementalRefresh
- Ingestion
- InnerFilter
- InputColumn
- InsightConfiguration
- InsightVisual
- IntegerDatasetParameter
- IntegerDatasetParameterDefaultValues
- IntegerDefaultValues
- IntegerParameter

- IntegerParameterDeclaration
- IntegerValueWhenUnsetConfiguration
- InvalidTopicReviewedAnswer
- ItemsLimitConfiguration
- JiraParameters
- JoinInstruction
- JoinKeyProperties
- KPIActualValueConditionalFormatting
- KPIComparisonValueConditionalFormatting
- KPIConditionalFormatting
- KPIConditionalFormattingOption
- KPIConfiguration
- KPIFieldWells
- KPIOptions
- KPIPrimaryValueConditionalFormatting
- KPIProgressBarConditionalFormatting
- KPISortConfiguration
- KPISparklineOptions
- KPIVisual
- KPIVisualLayoutOptions
- KPIVisualStandardLayout
- LabelOptions
- LayerCustomAction
- LayerCustomActionOperation
- LayerMapVisual
- Layout
- LayoutConfiguration
- LegendOptions
- LineChartAggregatedFieldWells
- LineChartConfiguration

- LineChartDefaultSeriesSettings
- LineChartFieldWells
- LineChartLineStyleSettings
- LineChartMarkerStyleSettings
- LineChartSeriesSettings
- LineChartSortConfiguration
- LineChartVisual
- LineSeriesAxisDisplayOptions
- LinkSharingConfiguration
- ListControlDisplayOptions
- ListControlSearchOptions
- ListControlSelectAllOptions
- LoadingAnimation
- LocalNavigationConfiguration
- LogicalTable
- LogicalTableSource
- Logo
- LogoConfiguration
- LogoSet
- LogoSetConfiguration
- LongFormatText
- LookbackWindow
- ManifestFileLocation
- MappedDataSetParameter
- MarginStyle
- MariaDbParameters
- MaximumLabelType
- MaximumMinimumComputation
- MeasureField
- MemberIdArnPair

- MetricComparisonComputation
- MinimumLabelType
- MissingDataConfiguration
- MySqlParameters
- NamedEntityDefinition
- NamedEntityDefinitionMetric
- NamedEntityRef
- NamespaceError
- NamespaceInfoV2
- NavbarStyle
- NegativeFormat
- NegativeValueConfiguration
- NestedFilter
- NetworkInterface
- NewDefaultValues
- NullValueFormatConfiguration
- NumberDisplayFormatConfiguration
- NumberFormatConfiguration
- NumericalAggregationFunction
- NumericalDimensionField
- NumericalMeasureField
- NumericAxisOptions
- NumericEqualityDrillDownFilter
- NumericEqualityFilter
- NumericFormatConfiguration
- NumericRangeFilter
- NumericRangeFilterValue
- NumericSeparatorConfiguration
- OAuthParameters
- OracleParameters

- OutputColumn
- OverrideDatasetParameterOperation
- PaginationConfiguration
- Palette
- PanelConfiguration
- PanelTitleOptions
- ParameterControl
- ParameterDateTimePickerControl
- ParameterDeclaration
- ParameterDropDownControl
- ParameterListControl
- Parameters
- ParameterSelectableValues
- ParameterSliderControl
- ParameterTextAreaControl
- ParameterTextFieldControl
- PercentageDisplayFormatConfiguration
- PercentileAggregation
- PercentVisibleRange
- PerformanceConfiguration
- PeriodOverPeriodComputation
- PeriodToDateComputation
- PhysicalTable
- PieChartAggregatedFieldWells
- PieChartConfiguration
- PieChartFieldWells
- PieChartSortConfiguration
- PieChartVisual
- PivotFieldSortOptions
- PivotTableAggregatedFieldWells

- PivotTableCellConditionalFormatting
- PivotTableConditionalFormatting
- PivotTableConditionalFormattingOption
- PivotTableConditionalFormattingScope
- PivotTableConfiguration
- PivotTableDataPathOption
- PivotTableFieldCollapseStateOption
- PivotTableFieldCollapseStateTarget
- PivotTableFieldOption
- PivotTableFieldOptions
- PivotTableFieldSubtotalOptions
- PivotTableFieldWells
- PivotTableOptions
- PivotTablePaginatedReportOptions
- PivotTableRowsLabelOptions
- PivotTableSortBy
- PivotTableSortConfiguration
- PivotTableTotalOptions
- PivotTableVisual
- PivotTotalOptions
- PluginVisual
- PluginVisualConfiguration
- PluginVisualFieldWell
- PluginVisualItemsLimitConfiguration
- PluginVisualOptions
- PluginVisualProperty
- PluginVisualSortConfiguration
- PluginVisualTableQuerySort
- PostgreSqlParameters
- PredefinedHierarchy

- PrestoParameters
- ProgressBarOptions
- ProjectOperation
- QAResult
- QueryExecutionOptions
- QueueInfo
- RadarChartAggregatedFieldWells
- RadarChartAreaStyleSettings
- RadarChartConfiguration
- RadarChartFieldWells
- RadarChartSeriesSettings
- RadarChartSortConfiguration
- RadarChartVisual
- RangeConstant
- RangeEndsLabelType
- RdsParameters
- RecentSnapshotsConfigurations
- RedshiftIAMParameters
- RedshiftParameters
- ReferenceLine
- ReferenceLineCustomLabelConfiguration
- ReferenceLineDataConfiguration
- ReferenceLineDynamicDataConfiguration
- ReferenceLineLabelConfiguration
- ReferenceLineStaticDataConfiguration
- ReferenceLineStyleConfiguration
- ReferenceLineValueLabelConfiguration
- RefreshConfiguration
- RefreshFailureConfiguration
- RefreshFailureEmailAlert

- RefreshFrequency
- RefreshSchedule
- RegisteredCustomerManagedKey
- RegisteredUserConsoleFeatureConfigurations
- RegisteredUserDashboardEmbeddingConfiguration
- RegisteredUserDashboardFeatureConfigurations
- RegisteredUserDashboardVisualEmbeddingConfiguration
- RegisteredUserEmbeddingExperienceConfiguration
- RegisteredUserGenerativeQnAEmbeddingConfiguration
- RegisteredUserQSearchBarEmbeddingConfiguration
- RegisteredUserQuickSightConsoleEmbeddingConfiguration
- RelationalTable
- RelativeDatesFilter
- RelativeDateTimeControlDisplayOptions
- RenameColumnOperation
- ResourcePermission
- RollingDateConfiguration
- RowAlternateColorOptions
- RowInfo
- RowLevelPermissionDataSet
- RowLevelPermissionTagConfiguration
- RowLevelPermissionTagRule
- S3BucketConfiguration
- S3Parameters
- S3Source
- SameSheetTargetVisualConfiguration
- SankeyDiagramAggregatedFieldWells
- SankeyDiagramChartConfiguration
- SankeyDiagramFieldWells
- SankeyDiagramSortConfiguration

- SankeyDiagramVisual
- ScatterPlotCategoricallyAggregatedFieldWells
- ScatterPlotConfiguration
- ScatterPlotFieldWells
- ScatterPlotSortConfiguration
- ScatterPlotUnaggregatedFieldWells
- ScatterPlotVisual
- ScheduleRefreshOnEntity
- SchedulesConfigurations
- ScrollBarOptions
- SecondaryValueOptions
- SectionAfterPageBreak
- SectionBasedLayoutCanvasSizeOptions
- SectionBasedLayoutConfiguration
- SectionBasedLayoutPaperCanvasSizeOptions
- SectionLayoutConfiguration
- SectionPageBreakConfiguration
- SectionStyle
- SelectedSheetsFilterScopeConfiguration
- SemanticEntityType
- SemanticType
- SeriesItem
- ServiceNowParameters
- SessionTag
- SetParameterValueConfiguration
- ShapeConditionalFormat
- SharedViewConfigurations
- Sheet
- SheetControlInfoIconLabelOptions
- SheetControlLayout

- SheetControlLayoutConfiguration
- SheetControlsOption
- SheetDefinition
- SheetElementConfigurationOverrides
- SheetElementRenderingRule
- SheetImage
- SheetImageScalingConfiguration
- SheetImageSource
- SheetImageStaticFileSource
- SheetImageTooltipConfiguration
- SheetImageTooltipText
- SheetLayoutElementMaximizationOption
- SheetStyle
- SheetTextBox
- SheetVisualScopingConfiguration
- ShortFormatText
- SignupResponse
- SimpleClusterMarker
- SingleAxisOptions
- SliderControlDisplayOptions
- Slot
- SmallMultiplesAxisProperties
- SmallMultiplesOptions
- SnapshotAnonymousUser
- SnapshotAnonymousUserRedacted
- SnapshotConfiguration
- SnapshotDestinationConfiguration
- SnapshotFile
- SnapshotFileGroup
- SnapshotFileSheetSelection

- SnapshotJobErrorInfo
- SnapshotJobResult
- SnapshotJobResultErrorInfo
- SnapshotJobResultFileGroup
- SnapshotJobS3Result
- SnapshotS3DestinationConfiguration
- SnapshotUserConfiguration
- SnapshotUserConfigurationRedacted
- SnowflakeParameters
- Spacing
- SparkParameters
- SpatialStaticFile
- SqlServerParameters
- SslProperties
- StarburstParameters
- StatePersistenceConfigurations
- StaticFile
- StaticFileS3SourceOptions
- StaticFileSource
- StaticFileUrlSourceOptions
- StringDatasetParameter
- StringDatasetParameterDefaultValues
- StringDefaultValues
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- Tag
- TagColumnOperation
- Template

- TemplateAlias
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- TemplateSourceAnalysis
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- TemplateSummary
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- TextAreaControlDisplayOptions
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- TileLayoutStyle
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- TimeBasedForecastProperties
- TimeEqualityFilter
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- TimeRangeFilter
- TimeRangeFilterValue
- TooltipItem
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- TopicCalculatedField
- TopicCategoryFilter
- TopicCategoryFilterConstant
- TopicColumn
- TopicConfigOptions
- TopicConstantValue
- TopicDateRangeFilter
- TopicDetails
- TopicFilter
- TopicIR
- TopicIRComparisonMethod
- TopicIRContributionAnalysis
- TopicIRFilterOption
- TopicIRGroupBy
- TopicIRMetric
- TopicNamedEntity
- TopicNumericEqualityFilter
- TopicNumericRangeFilter
- TopicRangeFilterConstant
- TopicRefreshDetails
- TopicRefreshSchedule
- TopicRefreshScheduleSummary
- TopicRelativeDateFilter

- TopicReviewedAnswer
- TopicSearchFilter
- TopicSingularFilterConstant
- TopicSortClause
- TopicSummary
- TopicTemplate
- TopicVisual
- TotalAggregationComputation
- TotalAggregationFunction
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- TreeMapAggregatedFieldWells
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- TreeMapVisual
- TrendArrowOptions
- TrinoParameters
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- Typography
- UIColorPalette
- UnaggregatedField
- UniqueKey
- UniqueValuesComputation
- UntagColumnOperation
- UploadSettings
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- ValidationStrategy

- VisibleRangeOptions
- Visual
- VisualAxisSortOption
- VisualCustomAction
- VisualCustomActionDefaults
- VisualCustomActionOperation
- VisualHighlightOperation
- VisualInteractionOptions
- VisualMenuOption
- VisualOptions
- VisualPalette
- VisualSubtitleLabelOptions
- VisualTitleLabelOptions
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- WaterfallChartColorConfiguration
- WaterfallChartConfiguration
- WaterfallChartFieldWells
- WaterfallChartGroupColorConfiguration
- WaterfallChartOptions
- WaterfallChartSortConfiguration
- WaterfallVisual
- WhatIfPointScenario
- WhatIfRangeScenario
- WordCloudAggregatedFieldWells
- WordCloudChartConfiguration
- WordCloudFieldWells
- WordCloudOptions

- WordCloudSortConfiguration
- WordCloudVisual
- YAxisOptions

AccountCustomization

The Amazon QuickSight customizations associated with your Amazon account or a QuickSight namespace in a specific Amazon Web Services Region.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DefaultEmailCustomizationTemplate

The default email customization template.

Type: String

Required: No

DefaultTheme

The default theme for this Amazon QuickSight subscription.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AccountInfo

A structure that contains the following account information elements:

- Your Amazon QuickSight account name.
- The edition of Amazon QuickSight that your account is using.
- The notification email address that is associated with the Amazon QuickSight account.
- The authentication type of the Amazon QuickSight account.
- The status of the Amazon QuickSight account's subscription.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AccountName

The account name that you provided for the Amazon QuickSight subscription in your Amazon Web Services account. You create this name when you sign up for Amazon QuickSight. It's unique over all of Amazon, and it appears only when users sign in.

Type: String

Required: No

AccountSubscriptionStatus

The status of your account subscription.

Type: String

Required: No

AuthenticationType

The way that your Amazon QuickSight account is authenticated.

Type: String

Required: No

Edition

The edition of your Amazon QuickSight account.

Type: String

Valid Values: `STANDARD | ENTERPRISE | ENTERPRISE_AND_Q`

Required: No

IAMIdentityCenterInstanceArn

The Amazon Resource Name (ARN) for the IAM Identity Center instance.

Type: String

Required: No

NotificationEmail

The email address that will be used for Amazon QuickSight to send notifications regarding your Amazon Web Services account or Amazon QuickSight subscription.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AccountSettings

The Amazon QuickSight settings associated with your Amazon account.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AccountName

The "account name" you provided for the Amazon QuickSight subscription in your Amazon account. You create this name when you sign up for Amazon QuickSight. It is unique in all of Amazon and it appears only when users sign in.

Type: String

Required: No

DefaultNamespace

The default Amazon QuickSight namespace for your Amazon account.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: No

Edition

The edition of Amazon QuickSight that you're currently subscribed to: Enterprise edition or Standard edition.

Type: String

Valid Values: `STANDARD | ENTERPRISE | ENTERPRISE_AND_Q`

Required: No

NotificationEmail

The main notification email for your Amazon QuickSight subscription.

Type: String

Required: No

PublicSharingEnabled

A Boolean value that indicates whether public sharing is turned on for an Amazon QuickSight account. For more information about turning on public sharing, see UpdatePublicSharingSettings.

Type: Boolean

Required: No

TerminationProtectionEnabled

A boolean value that determines whether or not an Amazon QuickSight account can be deleted. A `True` value doesn't allow the account to be deleted and results in an error message if a user tries to make a `DeleteAccountSubsctiption` request. A `False` value will allow the ccount to be deleted.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ActiveIAMPolicyAssignment

The active Amazon Identity and Access Management (IAM) policy assignment.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AssignmentName

A name for the IAM policy assignment.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: No

PolicyArn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AdHocFilteringOption

An ad hoc (one-time) filtering option.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

Availability status.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AggFunction

The definition of an Agg function.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Aggregation

The aggregation of an Agg function.

Type: String

Valid Values: `SUM | MIN | MAX | COUNT | AVERAGE | DISTINCT_COUNT | STDEV | STDEVP | VAR | VARP | PERCENTILE | MEDIAN | PTD_SUM | PTD_MIN | PTD_MAX | PTD_COUNT | PTD_DISTINCT_COUNT | PTD_AVERAGE | COLUMN | CUSTOM`

Required: No

AggregationFunctionParameters

The aggregation parameters for an Agg function.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 256.

Value Length Constraints: Maximum length of 1024.

Required: No

Period

The period of an Agg function.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

PeriodField

The period field for an Agg function.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AggregationFunction

An aggregation function aggregates values from a dimension or measure.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AttributeAggregationFunction

Aggregation for attributes.

Type: AttributeAggregationFunction object

Required: No

CategoricalAggregationFunction

Aggregation for categorical values.

- `COUNT`: Aggregate by the total number of values, including duplicates.
- `DISTINCT_COUNT`: Aggregate by the total number of distinct values.

Type: String

Valid Values: `COUNT | DISTINCT_COUNT`

Required: No

DateAggregationFunction

Aggregation for date values.

- `COUNT`: Aggregate by the total number of values, including duplicates.
- `DISTINCT_COUNT`: Aggregate by the total number of distinct values.
- `MIN`: Select the smallest date value.
- `MAX`: Select the largest date value.

Type: String

Valid Values: `COUNT | DISTINCT_COUNT | MIN | MAX`

Required: No

NumericalAggregationFunction

Aggregation for numerical values.

Type: NumericalAggregationFunction object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AggregationPartitionBy

The definition of an `AggregationPartitionBy`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldName

The field Name for an `AggregationPartitionBy`.

Type: String

Length Constraints: Maximum length of 256.

Required: No

TimeGranularity

The `TimeGranularity` for an `AggregationPartitionBy`.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AggregationSortConfiguration

The configuration options to sort aggregated values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that determines the sort order of aggregated values.

Type: ColumnIdentifier object

Required: Yes

SortDirection

The sort direction of values.

- ASC: Sort in ascending order.
- DESC: Sort in descending order.

Type: String

Valid Values: `ASC | DESC`

Required: Yes

AggregationFunction

The function that aggregates the values in `Column`.

Type: AggregationFunction object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AllSheetsFilterScopeConfiguration

An empty object that represents that the `AllSheets` option is the chosen value for the `FilterScopeConfiguration` parameter. This structure applies the filter to all visuals on all sheets of an Analysis, Dashboard, or Template.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

The members of this exception structure are context-dependent.

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AmazonElasticsearchParameters

The parameters for OpenSearch.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Domain

The OpenSearch domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AmazonOpenSearchParameters

The parameters for OpenSearch.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Domain

The OpenSearch domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AmazonQInQuickSightConsoleConfigurations

A collection of Amazon Q feature configurations in an embedded Amazon QuickSight console.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataQnA

Adds generative Q&A capabilitiees to an embedded Amazon QuickSight console.

Type: DataQnAConfigurations object

Required: No

DataStories

Adds the data stories feature to an embedded Amazon QuickSight console.

Type: DataStoriesConfigurations object

Required: No

ExecutiveSummary

Adds the executive summaries feature to an embedded Amazon QuickSight console.

Type: ExecutiveSummaryConfigurations object

Required: No

GenerativeAuthoring

Adds the generative BI authoring experience to an embedded Amazon QuickSight console.

Type: GenerativeAuthoringConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AmazonQInQuickSightDashboardConfigurations

A collection of Amazon Q feature configurations in an embedded Amazon QuickSight dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ExecutiveSummary

A generated executive summary of an embedded Amazon QuickSight dashboard.

Type: ExecutiveSummaryConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Analysis

Metadata structure for an analysis in Amazon QuickSight

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnalysisId

The ID of the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

Arn

The Amazon Resource Name (ARN) of the analysis.

Type: String

Required: No

CreatedTime

The time that the analysis was created.

Type: Timestamp

Required: No

DataSetArns

The ARNs of the datasets of the analysis.

Type: Array of strings

Array Members: Maximum number of 100 items.

Required: No

Errors

Errors associated with the analysis.

Type: Array of AnalysisError objects

Array Members: Minimum number of 1 item.

Required: No

LastUpdatedTime

The time that the analysis was last updated.

Type: Timestamp

Required: No

Name

The descriptive name of the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Sheets

A list of the associated sheets with the unique identifier and name of each sheet.

Type: Array of Sheet objects

Array Members: Maximum number of 20 items.

Required: No

Status

Status associated with the analysis.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

ThemeArn

The ARN of the theme of the analysis.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisDefaults

The configuration for default analysis settings.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DefaultNewSheetConfiguration

The configuration for default new sheet settings.

Type: DefaultNewSheetConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisDefinition

The definition of an analysis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifierDeclarations

An array of dataset identifier declarations. This mapping allows the usage of dataset identifiers instead of dataset ARNs throughout analysis sub-structures.

Type: Array of DataSetIdentifierDeclaration objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

AnalysisDefaults

The configuration for default analysis settings.

Type: AnalysisDefaults object

Required: No

CalculatedFields

An array of calculated field definitions for the analysis.

Type: Array of CalculatedField objects

Array Members: Maximum number of 500 items.

Required: No

ColumnConfigurations

An array of analysis-level column configurations. Column configurations can be used to set default formatting for a column to be used throughout an analysis.

Type: Array of ColumnConfiguration objects

Array Members: Maximum number of 2000 items.

Required: No

FilterGroups

Filter definitions for an analysis.

For more information, see Filtering Data in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Type: Array of FilterGroup objects

Array Members: Maximum number of 2000 items.

Required: No

Options

An array of option definitions for an analysis.

Type: AssetOptions object

Required: No

ParameterDeclarations

An array of parameter declarations for an analysis.

Parameters are named variables that can transfer a value for use by an action or an object.

For more information, see Parameters in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Type: Array of ParameterDeclaration objects

Array Members: Maximum number of 200 items.

Required: No

QueryExecutionOptions

A structure that describes the query execution options.

Type: QueryExecutionOptions object

Required: No

Sheets

An array of sheet definitions for an analysis. Each `SheetDefinition` provides detailed information about a sheet within this analysis.

Type: Array of SheetDefinition objects

Array Members: Maximum number of 20 items.

Required: No

StaticFiles

The static files for the definition.

Type: Array of StaticFile objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisError

Analysis error.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

The message associated with the analysis error.

Type: String

Pattern: `.*\S.*`

Required: No

Type

The type of the analysis error.

Type: String

Valid Values: `ACCESS_DENIED | SOURCE_NOT_FOUND | DATA_SET_NOT_FOUND | INTERNAL_FAILURE | PARAMETER_VALUE_INCOMPATIBLE | PARAMETER_TYPE_INVALID | PARAMETER_NOT_FOUND | COLUMN_TYPE_MISMATCH | COLUMN_GEOGRAPHIC_ROLE_MISMATCH | COLUMN_REPLACEMENT_MISSING`

Required: No

ViolatedEntities

Lists the violated entities that caused the analysis error

Type: Array of Entity objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisSearchFilter

A filter that you apply when searching for one or more analyses.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the value that you want to use as a filter, for example `"Name": "QUICKSIGHT_OWNER"`.

Valid values are defined as follows:

- `QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any analyses with that ARN listed as one of the analysis' owners or viewers are returned. Implicit permissions from folders or groups are considered.
- `QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any analyses with that ARN listed as one of the owners of the analyses are returned. Implicit permissions from folders or groups are considered.
- `DIRECT_QUICKSIGHT_SOLE_OWNER`: Provide an ARN of a user or group, and any analyses with that ARN listed as the only owner of the analysis are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any analyses with that ARN listed as one of the owners of the analyses are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any analyses with that ARN listed as one of the owners or viewers of the analyses are returned. Implicit permissions from folders or groups are not considered.
- `ANALYSIS_NAME`: Any analyses whose names have a substring match to this value will be returned.

Type: String

Valid Values: `QUICKSIGHT_USER | QUICKSIGHT_VIEWER_OR_OWNER | DIRECT_QUICKSIGHT_VIEWER_OR_OWNER | QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_SOLE_OWNER | ANALYSIS_NAME`

Required: No

Operator

The comparison operator that you want to use as a filter, for example `"Operator": "StringEquals"`. Valid values are `"StringEquals"` and `"StringLike"`.

If you set the operator value to `"StringEquals"`, you need to provide an ownership related filter in the `"NAME"` field and the arn of the user or group whose folders you want to search in the `"Value"` field. For example, `"Name":"DIRECT_QUICKSIGHT_OWNER", "Operator": "StringEquals", "Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1"`.

If you set the value to `"StringLike"`, you need to provide the name of the folders you are searching for. For example, `"Name":"ANALYSIS_NAME", "Operator": "StringLike", "Value": "Test"`. The `"StringLike"` operator only supports the `NAME` value `ANALYSIS_NAME`.

Type: String

Valid Values: `StringEquals | StringLike`

Required: No

Value

The value of the named item, in this case `QUICKSIGHT_USER`, that you want to use as a filter, for example `"Value"`. An example is `"arn:aws:quicksight:us-east-1:1:user/default/UserName1"`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisSourceEntity

The source entity of an analysis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SourceTemplate

The source template for the source entity of the analysis.

Type: AnalysisSourceTemplate object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisSourceTemplate

The source template of an analysis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the source template of an analysis.

Type: String

Required: Yes

DataSetReferences

The dataset references of the source template of an analysis.

Type: Array of DataSetReference objects

Array Members: Minimum number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnalysisSummary

The summary metadata that describes an analysis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnalysisId

The ID of the analysis. This ID displays in the URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

Arn

The Amazon Resource Name (ARN) for the analysis.

Type: String

Required: No

CreatedTime

The time that the analysis was created.

Type: Timestamp

Required: No

LastUpdatedTime

The time that the analysis was last updated.

Type: Timestamp

Required: No

Name

The name of the analysis. This name is displayed in the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Status

The last known status for the analysis.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Anchor

The definition of the Anchor.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnchorType

The `AnchorType` for the Anchor.

Type: String

Valid Values: `TODAY`

Required: No

Offset

The offset of the Anchor.

Type: Integer

Required: No

TimeGranularity

The `TimeGranularity` of the Anchor.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnchorDateConfiguration

The date configuration of the filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnchorOption

The options for the date configuration. Choose one of the options below:

- `NOW`

Type: String

Valid Values: `NOW`

Required: No

ParameterName

The name of the parameter that is used for the anchor date configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AnonymousUserDashboardEmbeddingConfiguration

Information about the dashboard that you want to embed.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialDashboardId

The dashboard ID for the dashboard that you want the user to see first. This ID is included in the output URL. When the URL in response is accessed, Amazon QuickSight renders this dashboard.

The Amazon Resource Name (ARN) of this dashboard must be included in the `AuthorizedResourceArns` parameter. Otherwise, the request will fail with `InvalidParameterValueException`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

DisabledFeatures

A list of all disabled features of a specified anonymous dashboard.

Type: Array of strings

Valid Values: `SHARED_VIEW`

Required: No

EnabledFeatures

A list of all enabled features of a specified anonymous dashboard.

Type: Array of strings

Valid Values: `SHARED_VIEW`

Required: No

FeatureConfigurations

The feature configuration for an embedded dashboard.

Type: AnonymousUserDashboardFeatureConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnonymousUserDashboardFeatureConfigurations

The feature configuration for an embedded dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SharedView

The shared view settings of an embedded dashboard.

Type: SharedViewConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnonymousUserDashboardVisualEmbeddingConfiguration

The experience that you are embedding. You can use this object to generate a url that embeds a visual into your application.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialDashboardVisualId

The visual ID for the visual that you want the user to see. This ID is included in the output URL. When the URL in response is accessed, Amazon QuickSight renders this visual.

The Amazon Resource Name (ARN) of the dashboard that the visual belongs to must be included in the `AuthorizedResourceArns` parameter. Otherwise, the request will fail with `InvalidParameterValueException`.

Type: DashboardVisualId object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnonymousUserEmbeddingExperienceConfiguration

The type of experience you want to embed. For anonymous users, you can embed Amazon QuickSight dashboards.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Dashboard

The type of embedding experience. In this case, Amazon QuickSight dashboards.

Type: AnonymousUserDashboardEmbeddingConfiguration object

Required: No

DashboardVisual

The type of embedding experience. In this case, Amazon QuickSight visuals.

Type: AnonymousUserDashboardVisualEmbeddingConfiguration object

Required: No

GenerativeQnA

The Generative Q&A experience that you want to use for anonymous user embedding.

Type: AnonymousUserGenerativeQnAEmbeddingConfiguration object

Required: No

QSearchBar

The Q search bar that you want to use for anonymous user embedding.

Type: AnonymousUserQSearchBarEmbeddingConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnonymousUserGenerativeQnAEmbeddingConfiguration

The settings that you want to use for the Generative Q&A experience.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialTopicId

The Amazon QuickSight Q topic ID of the new reader experience topic that you want the anonymous user to see first. This ID is included in the output URL. When the URL in response is accessed, Amazon QuickSight renders the Generative Q&A experience with this new reader experience topic pre selected.

The Amazon Resource Name (ARN) of this Q new reader experience topic must be included in the `AuthorizedResourceArns` parameter. Otherwise, the request fails with an `InvalidParameterValueException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnonymousUserQSearchBarEmbeddingConfiguration

The settings that you want to use with the Q search bar.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialTopicId

The Amazon QuickSight Q topic ID of the legacy topic that you want the anonymous user to see first. This ID is included in the output URL. When the URL in response is accessed, Amazon QuickSight renders the Q search bar with this legacy topic pre-selected.

The Amazon Resource Name (ARN) of this Q legacy topic must be included in the `AuthorizedResourceArns` parameter. Otherwise, the request fails with an `InvalidParameterValueException` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AnonymousUserSnapshotJobResult

A structure that contains the file groups that are requested for the artifact generation in a `StartDashboardSnapshotJob` API call.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FileGroups

A list of `SnapshotJobResultFileGroup` objects that contain information on the files that are requested during a `StartDashboardSnapshotJob` API call. If the job succeeds, these objects contain the location where the snapshot artifacts are stored. If the job fails, the objects contain information about the error that caused the job to fail.

Type: Array of SnapshotJobResultFileGroup objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ApplicationTheme

The application theme.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BrandColorPalette

The color palette.

Type: BrandColorPalette object

Required: No

BrandElementStyle

The element style.

Type: BrandElementStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ArcAxisConfiguration

The arc axis configuration of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Range

The arc axis range of a `GaugeChartVisual`.

Type: ArcAxisDisplayRange object

Required: No

ReserveRange

The reserved range of the arc axis.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ArcAxisDisplayRange

The arc axis range of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Max

The maximum value of the arc axis range.

Type: Double

Required: No

Min

The minimum value of the arc axis range.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ArcConfiguration

The arc configuration of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ArcAngle

The option that determines the arc angle of a `GaugeChartVisual`.

Type: Double

Required: No

ArcThickness

The options that determine the arc thickness of a `GaugeChartVisual`.

Type: String

Valid Values: `SMALL | MEDIUM | LARGE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ArcOptions

The options that determine the arc thickness of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ArcThickness

The arc thickness of a `GaugeChartVisual`.

Type: String

Valid Values: `SMALL | MEDIUM | LARGE | WHOLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleCloudFormationOverridePropertyConfiguration

An optional collection of Amazon CloudFormation property configurations that control how the export job is generated.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Analyses

An optional list of structures that control how `Analysis` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobAnalysisOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Dashboards

An optional list of structures that control how `Dashboard` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobDashboardOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

DataSets

An optional list of structures that control how `DataSet` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobDataSetOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

DataSources

An optional list of structures that control how `DataSource` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobDataSourceOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Folders

An optional list of structures that controls how `Folder` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobFolderOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

RefreshSchedules

An optional list of structures that control how `RefreshSchedule` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobRefreshScheduleOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

ResourceIdOverrideConfiguration

An optional list of structures that control how resource IDs are parameterized in the returned Amazon CloudFormation template.

Type: AssetBundleExportJobResourceIdOverrideConfiguration object

Required: No

Themes

An optional list of structures that control how `Theme` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobThemeOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

VPCConnections

An optional list of structures that control how `VPCConnection` resources are parameterized in the returned Amazon CloudFormation template.

Type: Array of AssetBundleExportJobVPCConnectionOverrideProperties objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleExportJobAnalysisOverrideProperties

Controls how a specific `Analysis` resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `Analysis` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `Analysis` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `Name`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobDashboardOverrideProperties

Controls how a specific `Dashboard` resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `Dashboard` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `Dashboard` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `Name`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobDataSetOverrideProperties

Controls how a specific `DataSet` resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `DataSet` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `DataSet` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `Name | RefreshFailureEmailAlertStatus`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobDataSourceOverrideProperties

Controls how a specific `DataSource` resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `DataSource` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `DataSource` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `Name | DisableSsl | SecretArn | Username | Password | Domain | WorkGroup | Host | Port | Database | DataSetName | Catalog | InstanceId | ClusterId | ManifestFileLocation | Warehouse | RoleArn | ProductType`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleExportJobError

Describes an error that occurred during an Asset Bundle export job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the resource whose processing caused an error.

Type: String

Required: No

Message

A description of the error.

Type: String

Pattern: `.*\S.*`

Required: No

Type

The specific error type of the error that occurred.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleExportJobFolderOverrideProperties

Controls how a specific `Folder` resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `Folder` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `Folder` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `Name | ParentFolderArn`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobRefreshScheduleOverrideProperties

Controls how a specific `RefreshSchedule` resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `RefreshSchedule` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `RefreshSchedule` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `StartAfterDateTime`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobResourceIdOverrideConfiguration

An optional structure that configures resource ID overrides for the export job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PrefixForAllResources

An option to request a Amazon CloudFormation variable for a prefix to be prepended to each resource's ID before import. The prefix is only added to the asset IDs and does not change the name of the asset.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleExportJobSummary

A summary of the export job that includes details of the job's configuration and its current status.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the export job.

Type: String

Required: No

AssetBundleExportJobId

The ID of the export job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

CreatedTime

The time that the export job was created.

Type: Timestamp

Required: No

ExportFormat

The format for the export job.

Type: String

Valid Values: `CLOUDFORMATION_JSON | QUICKSIGHT_JSON`

Required: No

IncludeAllDependencies

The flag that determines the inclusion of resource dependencies in the returned asset bundle.

Type: Boolean

Required: No

IncludePermissions

The flag that determines the inclusion of permissions associated with each resource ARN.

Type: Boolean

Required: No

IncludeTags

The flag that determines the inclusion of tags associated with each resource ARN.

Type: Boolean

Required: No

JobStatus

The current status of the export job.

Type: String

Valid Values: `QUEUED_FOR_IMMEDIATE_EXECUTION | IN_PROGRESS | SUCCESSFUL | FAILED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleExportJobThemeOverrideProperties

Controls how a specific Theme resource is parameterized in the returned Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific Theme resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of Theme resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: Name

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobValidationStrategy

The option to relax the validation that is required to export each asset. When `StrictModeForAllResource` is set to `false`, validation is skipped for specific UI errors.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StrictModeForAllResources

A Boolean value that indicates whether to export resources under strict or lenient mode.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleExportJobVPCConnectionOverrideProperties

Controls how a specific `VPCConnection` resource is parameterized in the outputted Amazon CloudFormation template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the specific `VPCConnection` resource whose override properties are configured in this structure.

Type: String

Required: Yes

Properties

A list of `VPCConnection` resource properties to generate variables for in the returned Amazon CloudFormation template.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Valid Values: `Name | DnsResolvers | RoleArn`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleExportJobWarning

Describes a warning that occurred during an Asset Bundle export job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the resource whose processing caused a warning.

Type: String

Required: No

Message

A description of the warning.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobAnalysisOverrideParameters

The override parameters for a single analysis that is being imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnalysisId

The ID of the analysis that you ant to apply overrides to.

Type: String

Required: Yes

Name

A new name for the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobAnalysisOverridePermissions

An object that contains a list of permissions to be applied to a list of analysis IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnalysisIds

A list of analysis IDs that you want to apply overrides to. You can use * to override all analyses in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Permissions

A list of permissions for the analyses that you want to apply overrides to.

Type: AssetBundleResourcePermissions object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobAnalysisOverrideTags

An object that contains a list of tags to be assigned to a list of analysis IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnalysisIds

A list of analysis IDs that you want to apply overrides to. You can use * to override all analyses in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Tags

A list of tags for the analyses that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobDashboardOverrideParameters

The override parameters for a single dashboard that is being imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DashboardId

The ID of the dashboard that you want to apply overrides to.

Type: String

Required: Yes

Name

A new name for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDashboardOverridePermissions

An object that contains a list of permissions to be applied to a list of dashboard IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DashboardIds

A list of dashboard IDs that you want to apply overrides to. You can use * to override all dashboards in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

LinkSharingConfiguration

A structure that contains the link sharing configurations that you want to apply overrides to.

Type: AssetBundleResourceLinkSharingConfiguration object

Required: No

Permissions

A list of permissions for the dashboards that you want to apply overrides to.

Type: AssetBundleResourcePermissions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDashboardOverrideTags

An object that contains a list of tags to be assigned to a list of dashboard IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DashboardIds

A list of dashboard IDs that you want to apply overrides to. You can use * to override all dashboards in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Tags

A list of tags for the dashboards that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobDataSetOverrideParameters

The override parameters for a single dataset that is being imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetId

The ID of the dataset to apply overrides to.

Type: String

Required: Yes

DataSetRefreshProperties

The refresh properties of a dataset.

Type: DataSetRefreshProperties object

Required: No

Name

A new name for the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDataSetOverridePermissions

An object that contains a list of permissions to be applied to a list of dataset IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIds

A list of dataset IDs that you want to apply overrides to. You can use * to override all datasets in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Permissions

A list of permissions for the datasets that you want to apply overrides to.

Type: AssetBundleResourcePermissions object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDataSetOverrideTags

An object that contains a list of tags to be assigned to a list of dataset IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIds

A list of dataset IDs that you want to apply overrides to. You can use * to override all datasets in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Tags

A list of tags for the datasets that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobDataSourceCredentialPair

A username and password credential pair to use to import a data source resource.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Password

The password for the data source connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

Username

The username for the data source connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDataSourceCredentials

The login credentials to use to import a data source resource.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CredentialPair

A username and password credential pair to be used to create the imported data source. Keep this field blank if you are using a Secrets Manager secret to provide credentials.

Type: AssetBundleImportJobDataSourceCredentialPair object

Required: No

SecretArn

The ARN of the Secrets Manager secret that's used to create the imported data source. Keep this field blank, unless you are using a secret in place of a credential pair.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^arn:[-a-z0-9]*:secretsmanager:[-a-z0-9]*:[0-9]{12}:secret:.+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDataSourceOverrideParameters

The override parameters for a single data source that is being imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSourceId

The ID of the data source to apply overrides to.

Type: String

Required: Yes

Credentials

An optional structure that provides the credentials to be used to create the imported data source.

Type: AssetBundleImportJobDataSourceCredentials object

Required: No

DataSourceParameters

The parameters that Amazon QuickSight uses to connect to your underlying data source. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Type: DataSourceParameters object

Required: No

Name

A new name for the data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

SslProperties

Secure Socket Layer (SSL) properties that apply when Amazon QuickSight connects to your underlying data source.

Type: SslProperties object

Required: No

VpcConnectionProperties

VPC connection properties.

Type: VpcConnectionProperties object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDataSourceOverridePermissions

An object that contains a list of permissions to be applied to a list of data source IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSourceIds

A list of data source IDs that you want to apply overrides to. You can use * to override all data sources in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Permissions

A list of permissions for the data source that you want to apply overrides to.

Type: AssetBundleResourcePermissions object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobDataSourceOverrideTags

An object that contains a list of tags to be assigned to a list of data source IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSourceIds

A list of data source IDs that you want to apply overrides to. You can use * to override all data sources in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Tags

A list of tags for the data source that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobError

Describes an error that occurred within an Asset Bundle import execution.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the resource whose processing caused an error.

Type: String

Required: No

Message

A description of the error.

Type: String

Pattern: `.*\S.*`

Required: No

Type

The specific error type or the error that occurred.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobFolderOverrideParameters

The override parameters for a single folder that is being imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FolderId

The ID of the folder that you want to apply overrides to.

Type: String

Required: Yes

Name

A new name for the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

ParentFolderArn

A new parent folder arn. This change can only be applied if the import creates a brand new folder. Existing folders cannot be moved.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobFolderOverridePermissions

An object that contains a list of permissions to be applied to a list of folder IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FolderIds

A list of folder IDs that you want to apply overrides to. You can use * to override all folders in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Permissions

A structure that contains the permissions for the resource that you want to override in an asset bundle import job.

Type: AssetBundleResourcePermissions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobFolderOverrideTags

An object that contains a list of tags to be assigned to a list of folder IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FolderIds

A list of folder IDs that you want to apply overrides to. You can use * to override all folders in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

Tags

A list of tags for the folders that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobOverrideParameters

A list of overrides that modify the asset bundle resource configuration before the resource is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Analyses

A list of overrides for any `Analysis` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobAnalysisOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Dashboards

A list of overrides for any `Dashboard` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDashboardOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

DataSets

A list of overrides for any `DataSet` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDataSetOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

DataSources

A list of overrides for any `DataSource` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDataSourceOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Folders

A list of overrides for any `Folder` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobFolderOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

RefreshSchedules

A list of overrides for any `RefreshSchedule` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobRefreshScheduleOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

ResourceIdOverrideConfiguration

An optional structure that configures resource ID overrides to be applied within the import job.

Type: AssetBundleImportJobResourceIdOverrideConfiguration object

Required: No

Themes

A list of overrides for any `Theme` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobThemeOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

VPCConnections

A list of overrides for any `VPCConnection` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobVPCConnectionOverrideParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobOverridePermissions

A structure that contains the override permission configurations that modify the permissions for specified resources before the resource is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Analyses

A list of permissions overrides for any `Analysis` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobAnalysisOverridePermissions objects

Array Members: Fixed number of 1 item.

Required: No

Dashboards

A list of permissions overrides for any `Dashboard` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDashboardOverridePermissions objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

DataSets

A list of permissions overrides for any `DataSet` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDataSetOverridePermissions objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

DataSources

A list of permissions overrides for any `DataSource` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDataSourceOverridePermissions objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

Folders

A list of permissions for the folders that you want to apply overrides to.

Type: Array of AssetBundleImportJobFolderOverridePermissions objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

Themes

A list of permissions overrides for any `Theme` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobThemeOverridePermissions objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobOverrideTags

A structure that contains the override tag configuration that modify the tags that are assigned to specified resources before the resource is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Analyses

A list of tag overrides for any `Analysis` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobAnalysisOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Dashboards

A list of tag overrides for any `Dashboard` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDashboardOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

DataSets

A list of tag overrides for any `DataSet` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDataSetOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

DataSources

A list of tag overrides for any `DataSource` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobDataSourceOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Folders

A list of tag overrides for any `Folder` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobFolderOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Themes

A list of tag overrides for any `Theme` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobThemeOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

VPCConnections

A list of tag overrides for any `VPCConnection` resources that are present in the asset bundle that is imported.

Type: Array of AssetBundleImportJobVPCConnectionOverrideTags objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobOverrideValidationStrategy

An optional parameter that overrides the validation strategy for all analyses and dashboards before the resource is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StrictModeForAllResources

A Boolean value that indicates whether to import all analyses and dashboards under strict or lenient mode.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobRefreshScheduleOverrideParameters

A list of overrides for a specific `RefreshsSchedule` resource that is present in the asset bundle that is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetId

A partial identifier for the specific `RefreshSchedule` resource that is being overridden. This structure is used together with the `ScheduleID` structure.

Type: String

Required: Yes

ScheduleId

A partial identifier for the specific `RefreshSchedule` resource being overridden. This structure is used together with the `DataSetId` structure.

Type: String

Required: Yes

StartAfterDateTime

An override for the `StartAfterDateTime` of a `RefreshSchedule`. Make sure that the `StartAfterDateTime` is set to a time that takes place in the future.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobResourceIdOverrideConfiguration

An optional structure that configures resource ID overrides for the import job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PrefixForAllResources

An option to request a Amazon CloudFormation variable for a prefix to be prepended to each resource's ID before import. The prefix is only added to the asset IDs and does not change the name of the asset.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobSummary

A summary of the import job that includes details of the requested job's configuration and its current status.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the import job.

Type: String

Required: No

AssetBundleImportJobId

The ID of the job. This ID is unique while the job is running. After the job is completed, you can reuse this ID for another job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

CreatedTime

The time that the import job was created.

Type: Timestamp

Required: No

FailureAction

The failure action for the import job.

Type: String

Valid Values: `DO_NOTHING | ROLLBACK`

Required: No

JobStatus

The current status of the import job.

Type: String

Valid Values: `QUEUED_FOR_IMMEDIATE_EXECUTION | IN_PROGRESS | SUCCESSFUL | FAILED | FAILED_ROLLBACK_IN_PROGRESS | FAILED_ROLLBACK_COMPLETED | FAILED_ROLLBACK_ERROR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobThemeOverrideParameters

The override parameters for a single theme that is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ThemeId

The ID of the theme to apply overrides to.

Type: String

Required: Yes

Name

A new name for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobThemeOverridePermissions

An object that contains a list of permissions to be applied to a list of theme IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Permissions

A list of permissions for the themes that you want to apply overrides to.

Type: AssetBundleResourcePermissions object

Required: Yes

ThemeIds

A list of theme IDs that you want to apply overrides to. You can use * to override all themes in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobThemeOverrideTags

An object that contains a list of tags to be assigned to a list of theme IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Tags

A list of tags for the themes that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

ThemeIds

A list of theme IDs that you want to apply overrides to. You can use * to override all themes in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobVPCConnectionOverrideParameters

The override parameters for a single VPC connection that is imported.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VPCConnectionId

The ID of the VPC Connection to apply overrides to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

DnsResolvers

An optional override of DNS resolvers to be used by the VPC connection.

Type: Array of strings

Array Members: Maximum number of 15 items.

Length Constraints: Minimum length of 7. Maximum length of 15.

Required: No

Name

A new name for the VPC connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

RoleArn

An optional override of the role ARN to be used by the VPC connection.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Required: No

SecurityGroupIds

A new security group ID for the VPC connection you are importing. This field is required if you are importing the VPC connection from another Amazon account or Region.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^sg-[0-9a-z]*$`

Required: No

SubnetIds

A list of new subnet IDs for the VPC connection you are importing. This field is required if you are importing the VPC connection from another Amazon account or Region.

Type: Array of strings

Array Members: Minimum number of 2 items. Maximum number of 15 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^subnet-[0-9a-z]*$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportJobVPCConnectionOverrideTags

An object that contains a list of tags to be assigned to a list of VPC connection IDs.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Tags

A list of tags for the VPC connections that you want to apply overrides to.

Type: Array of Tag objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

VPCConnectionIds

A list of VPC connection IDs that you want to apply overrides to. You can use * to override all VPC connections in this asset bundle.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Pattern: `\*|[\w\-]{1,2048}`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetBundleImportJobWarning

Describes a warning that occurred during an Asset Bundle import job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The ARN of the resource that the warning occurred for.

Type: String

Required: No

Message

A description of the warning that occurred during an Asset Bundle import job.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportSource

The source of the asset bundle zip file that contains the data that you want to import. The file must be in `QUICKSIGHT_JSON` format.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Body

The bytes of the base64 encoded asset bundle import zip file. This file can't exceed 20 MB. If the size of the file that you want to upload is more than 20 MB, add the file to your Amazon S3 bucket and use `S3Uri` of the file for this operation.

If you are calling the API operations from the Amazon SDK for Java, JavaScript, Python, or PHP, the SDK encodes base64 automatically to allow the direct setting of the zip file's bytes. If you are using an SDK for a different language or receiving related errors, try to base64 encode your data.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 0. Maximum length of 20971520.

Required: No

S3Uri

The Amazon S3 URI for an asset bundle import file that exists in an Amazon S3 bucket that the caller has read access to. The file must be a zip format file and can't exceed 1 GB.

Type: String

Pattern: `^(https|s3)://([^/]+)/?(.*)$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleImportSourceDescription

A description of the import source that you provide at the start of an import job. This value is set to either `Body` or `S3Uri`, depending on how the `StartAssetBundleImportJobRequest` is configured.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Body

An HTTPS download URL for the provided asset bundle that you optionally provided at the start of the import job. This URL is valid for five minutes after issuance. Call `DescribeAssetBundleExportJob` again for a fresh URL if needed. The downloaded asset bundle is a `.qs` zip file.

Type: String

Pattern: `^(https|s3)://([^/]+)/?(.*)$`

Required: No

S3Uri

The Amazon S3 URI that you provided at the start of the import job.

Type: String

Pattern: `^(https|s3)://([^/]+)/?(.*)$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleResourceLinkSharingConfiguration

A structure that contains the configuration of a shared link to an Amazon QuickSight dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Permissions

A list of link sharing permissions for the dashboards that you want to apply overrides to.

Type: AssetBundleResourcePermissions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AssetBundleResourcePermissions

A structure that contains the permissions for the resource that you want to override in an asset bundle import job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Actions

A list of IAM actions to grant permissions on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

Principals

A list of principals to grant permissions on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AssetOptions

An array of analysis level configurations.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomActionDefaults

A list of visual custom actions for the analysis.

Type: VisualCustomActionDefaults object

Required: No

ExcludedDataSetArns

A list of dataset ARNS to exclude from Dashboard Q&A.

Type: Array of strings

Array Members: Maximum number of 100 items.

Required: No

QBusinessInsightsStatus

Determines whether insight summaries from Amazon Q Business are allowed in Dashboard Q&A.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

Timezone

Determines the timezone for the analysis.

Type: String

Required: No

WeekStart

Determines the week start day for an analysis.

Type: String

Valid Values: `SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AthenaParameters

Parameters for Amazon Athena.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

IdentityCenterConfiguration

An optional parameter that configures IAM Identity Center authentication to grant Amazon QuickSight access to your workgroup.

This parameter can only be specified if your Amazon QuickSight account is configured with IAM Identity Center.

Type: IdentityCenterConfiguration object

Required: No

RoleArn

Use the `RoleArn` structure to override an account-wide role for a specific Athena data source. For example, say an account administrator has turned off all Athena access with an account-wide role. The administrator can then use `RoleArn` to bypass the account-wide role and allow Athena access for the single Athena data source that is specified in the structure, even if the account-wide role forbidding Athena access is still active.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Required: No

WorkGroup

The workgroup that Amazon Athena uses.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AttributeAggregationFunction

Aggregation for attributes.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SimpleAttributeAggregation

The built-in aggregation functions for attributes.

- `UNIQUE_VALUE`: Returns the unique value for a field, aggregated by the dimension fields.

Type: String

Valid Values: `UNIQUE_VALUE`

Required: No

ValueForMultipleValues

Used by the `UNIQUE_VALUE` aggregation function. If there are multiple values for the field used by the aggregation, the value for this property will be returned instead. Defaults to '*'.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AuroraParameters

Parameters for Amazon Aurora.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AuroraPostgreSqlParameters

Parameters for Amazon Aurora PostgreSQL-Compatible Edition.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

The Amazon Aurora PostgreSQL database to connect to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

The Amazon Aurora PostgreSQL-Compatible host to connect to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

The port that Amazon Aurora PostgreSQL is listening on.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AuthorizedTargetsByService

The authorized targets that are associated with a service.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AuthorizedTargets

Aist of authorized targets that are represented by IAM Identity Center application ARNs.

Type: Array of strings

Required: No

Service

The name of the Amazon service.

Type: String

Valid Values: `REDSHIFT | QBUSINESS | ATHENA`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AwsIotAnalyticsParameters

The parameters for Amazon IoT Analytics.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetName

Dataset name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisDataOptions

The data options for an axis.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateAxisOptions

The options for an axis with a date field.

Type: DateAxisOptions object

Required: No

NumericAxisOptions

The options for an axis with a numeric field.

Type: NumericAxisOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisDisplayDataDrivenRange

The options that are saved for future extension.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

The members of this exception structure are context-dependent.

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisDisplayMinMaxRange

The minimum and maximum setup for an axis display range.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Maximum

The maximum setup for an axis display range.

Type: Double

Required: No

Minimum

The minimum setup for an axis display range.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisDisplayOptions

The display options for the axis label.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisLineVisibility

Determines whether or not the axis line is visible.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

AxisOffset

The offset value that determines the starting placement of the axis within a visual's bounds.

Type: String

Required: No

DataOptions

The data options for an axis.

Type: AxisDataOptions object

Required: No

GridLineVisibility

Determines whether or not the grid line is visible.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

ScrollbarOptions

The scroll bar options for an axis.

Type: ScrollBarOptions object

Required: No

TickLabelOptions

The tick label options of an axis.

Type: AxisTickLabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisDisplayRange

The range setup of a numeric axis display range.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataDriven

The data-driven setup of an axis display range.

Type: AxisDisplayDataDrivenRange object

Required: No

MinMax

The minimum and maximum setup of an axis display range.

Type: AxisDisplayMinMaxRange object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisLabelOptions

The label options for a chart axis. You must specify the field that the label is targeted to.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ApplyTo

The options that indicate which field the label belongs to.

Type: AxisLabelReferenceOptions object

Required: No

CustomLabel

The text for the axis label.

Type: String

Required: No

FontConfiguration

The font configuration of the axis label.

Type: FontConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

AxisLabelReferenceOptions

The reference that specifies where the axis label is applied to.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the axis label is targeted to.

Type: ColumnIdentifier object

Required: Yes

FieldId

The field that the axis label is targeted to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisLinearScale

The liner axis scale setup.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StepCount

The step count setup of a linear axis.

Type: Integer

Required: No

StepSize

The step size setup of a linear axis.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisLogarithmicScale

The logarithmic axis scale setup.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Base

The base setup of a logarithmic axis scale.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisScale

The scale setup options for a numeric axis display.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Linear

The linear axis scale setup.

Type: AxisLinearScale object

Required: No

Logarithmic

The logarithmic axis scale setup.

Type: AxisLogarithmicScale object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

AxisTickLabelOptions

The tick label options of an axis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LabelOptions

Determines whether or not the axis ticks are visible.

Type: LabelOptions object

Required: No

RotationAngle

The rotation angle of the axis tick labels.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BarChartAggregatedFieldWells

The aggregated field wells of a bar chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The category (y-axis) field well of a bar chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Colors

The color (group/color) field well of a bar chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

SmallMultiples

The small multiples field well of a bar chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The value field wells of a bar chart. Values are aggregated by category.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BarChartConfiguration

The configuration of a `BarChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BarsArrangement

Determines the arrangement of the bars. The orientation and arrangement of bars determine the type of bar that is used in the visual.

Type: String

Valid Values: `CLUSTERED | STACKED | STACKED_PERCENT`

Required: No

CategoryAxis

The label display options (grid line, range, scale, axis step) for bar chart category.

Type: AxisDisplayOptions object

Required: No

CategoryLabelOptions

The label options (label text, label visibility and sort icon visibility) for a bar chart.

Type: ChartAxisLabelOptions object

Required: No

ColorLabelOptions

The label options (label text, label visibility and sort icon visibility) for a color that is used in a bar chart.

Type: ChartAxisLabelOptions object

Required: No

ContributionAnalysisDefaults

The contribution analysis (anomaly configuration) setup of the visual.

Type: Array of ContributionAnalysisDefault objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

DataLabels

The options that determine if visual data labels are displayed.

Type: DataLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: BarChartFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

Orientation

The orientation of the bars in a bar chart visual. There are two valid values in this structure:

- `HORIZONTAL`: Used for charts that have horizontal bars. Visuals that use this value are horizontal bar charts, horizontal stacked bar charts, and horizontal stacked 100% bar charts.
- `VERTICAL`: Used for charts that have vertical bars. Visuals that use this value are vertical bar charts, vertical stacked bar charts, and vertical stacked 100% bar charts.

Type: String

Valid Values: `HORIZONTAL | VERTICAL`

Required: No

ReferenceLines

The reference line setup of the visual.

Type: Array of ReferenceLine objects

Array Members: Maximum number of 20 items.

Required: No

SmallMultiplesOptions

The small multiples setup for the visual.

Type: SmallMultiplesOptions object

Required: No

SortConfiguration

The sort configuration of a `BarChartVisual`.

Type: BarChartSortConfiguration object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

ValueAxis

The label display options (grid line, range, scale, axis step) for a bar chart value.

Type: AxisDisplayOptions object

Required: No

ValueLabelOptions

The label options (label text, label visibility and sort icon visibility) for a bar chart value.

Type: ChartAxisLabelOptions object

Required: No

VisualPalette

The palette (chart color) display setup of the visual.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BarChartFieldWells

The field wells of a `BarChartVisual`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BarChartAggregatedFieldWells

The aggregated field wells of a bar chart.

Type: BarChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BarChartSortConfiguration

sort-configuration-description

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimit

The limit on the number of categories displayed in a bar chart.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of category fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

ColorItemsLimit

The limit on the number of values displayed in a bar chart.

Type: ItemsLimitConfiguration object

Required: No

ColorSort

The sort configuration of color fields in a bar chart.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

SmallMultiplesLimitConfiguration

The limit on the number of small multiples panels that are displayed.

Type: ItemsLimitConfiguration object

Required: No

SmallMultiplesSort

The sort configuration of the small multiples field.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BarChartVisual

A bar chart.

The `BarChartVisual` structure describes a visual that is a member of the bar chart family. The following charts can be described using this structure:

- Horizontal bar chart
- Vertical bar chart
- Horizontal stacked bar chart
- Vertical stacked bar chart
- Horizontal stacked 100% bar chart
- Vertical stacked 100% bar chart

For more information, see Using bar charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: BarChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BigQueryParameters

The parameters that are required to connect to a Google BigQuery data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ProjectId

The Google Cloud Platform project ID where your datasource was created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

DataSetRegion

The storage location where you create a Google BigQuery data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BinCountOptions

The options that determine the bin count of a histogram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Value

The options that determine the bin count value.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BinWidthOptions

The options that determine the bin width of a histogram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BinCountLimit

The options that determine the bin count limit.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

Value

The options that determine the bin width value.

Type: Double

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionConfiguration

The configuration of a body section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Content

The configuration of content in a body section.

Type: BodySectionContent object

Required: Yes

SectionId

The unique identifier of a body section.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

PageBreakConfiguration

The configuration of a page break for a section.

Type: SectionPageBreakConfiguration object

Required: No

RepeatConfiguration

Describes the configurations that are required to declare a section as repeating.

Type: BodySectionRepeatConfiguration object

Required: No

Style

The style options of a body section.

Type: SectionStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionContent

The configuration of content in a body section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Layout

The layout configuration of a body section.

Type: SectionLayoutConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionDynamicCategoryDimensionConfiguration

Describes the **Category** dataset column and constraints for the dynamic values used to repeat the contents of a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

A column of a data set.

Type: ColumnIdentifier object

Required: Yes

Limit

Number of values to use from the column for repetition.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

SortByMetrics

Sort criteria on the column values that you use for repetition.

Type: Array of ColumnSort objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionDynamicNumericDimensionConfiguration

Describes the **Numeric** dataset column and constraints for the dynamic values used to repeat the contents of a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

A column of a data set.

Type: ColumnIdentifier object

Required: Yes

Limit

Number of values to use from the column for repetition.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

SortByMetrics

Sort criteria on the column values that you use for repetition.

Type: Array of ColumnSort objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionRepeatConfiguration

Describes the configurations that are required to declare a section as repeating.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DimensionConfigurations

List of `BodySectionRepeatDimensionConfiguration` values that describe the dataset column and constraints for the column used to repeat the contents of a section.

Type: Array of BodySectionRepeatDimensionConfiguration objects

Array Members: Maximum number of 3 items.

Required: No

NonRepeatingVisuals

List of visuals to exclude from repetition in repeating sections. The visuals will render identically, and ignore the repeating configurations in all repeating instances.

Type: Array of strings

Array Members: Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

PageBreakConfiguration

Page break configuration to apply for each repeating instance.

Type: BodySectionRepeatPageBreakConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionRepeatDimensionConfiguration

Describes the dataset column and constraints for the dynamic values used to repeat the contents of a section. The dataset column is either **Category** or **Numeric** column configuration

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DynamicCategoryDimensionConfiguration

Describes the **Category** dataset column and constraints around the dynamic values that will be used in repeating the section contents.

Type: BodySectionDynamicCategoryDimensionConfiguration object

Required: No

DynamicNumericDimensionConfiguration

Describes the **Numeric** dataset column and constraints around the dynamic values used to repeat the contents of a section.

Type: BodySectionDynamicNumericDimensionConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BodySectionRepeatPageBreakConfiguration

The page break configuration to apply for each repeating instance.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

After

The configuration of a page break after a section.

Type: SectionAfterPageBreak object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BookmarksConfigurations

The bookmarks configuration of an embedded dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

A Boolean value that determines whether a user can bookmark an embedded dashboard.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BorderStyle

The display options for tile borders for visuals.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Show

The option to enable display of borders for visuals.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotAggregatedFieldWells

The aggregated field well for a box plot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GroupBy

The group by field well of a box plot chart. Values are grouped based on group by fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The value field well of a box plot chart. Values are aggregated based on group by fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 5 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotChartConfiguration

The configuration of a `BoxPlotVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BoxPlotOptions

The box plot chart options for a box plot visual

Type: BoxPlotOptions object

Required: No

CategoryAxis

The label display options (grid line, range, scale, axis step) of a box plot category.

Type: AxisDisplayOptions object

Required: No

CategoryLabelOptions

The label options (label text, label visibility and sort Icon visibility) of a box plot category.

Type: ChartAxisLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: BoxPlotFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The options for the legend setup of a visual.

Type: LegendOptions object

Required: No

PrimaryYAxisDisplayOptions

The label display options (grid line, range, scale, axis step) of a box plot category.

Type: AxisDisplayOptions object

Required: No

PrimaryYAxisLabelOptions

The label options (label text, label visibility and sort icon visibility) of a box plot value.

Type: ChartAxisLabelOptions object

Required: No

ReferenceLines

The reference line setup of the visual.

Type: Array of ReferenceLine objects

Array Members: Maximum number of 20 items.

Required: No

SortConfiguration

The sort configuration of a `BoxPlotVisual`.

Type: BoxPlotSortConfiguration object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

VisualPalette

The palette (chart color) display setup of the visual.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotFieldWells

The field wells of a `BoxPlotVisual`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BoxPlotAggregatedFieldWells

The aggregated field wells of a box plot.

Type: BoxPlotAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotOptions

The options of a box plot visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AllDataPointsVisibility

Determines the visibility of all data points of the box plot.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

OutlierVisibility

Determines the visibility of the outlier in a box plot.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

StyleOptions

The style options of the box plot.

Type: BoxPlotStyleOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotSortConfiguration

The sort configuration of a `BoxPlotVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategorySort

The sort configuration of a group by fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

PaginationConfiguration

The pagination configuration of a table visual or box plot.

Type: PaginationConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotStyleOptions

The style options of the box plot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FillStyle

The fill styles (solid, transparent) of the box plot.

Type: String

Valid Values: `SOLID | TRANSPARENT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BoxPlotVisual

A box plot.

For more information, see Using box plots in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: BoxPlotChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrandColorPalette

The color palette.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Accent

The color that is used for accent elements.

Type: Palette object

Required: No

Danger

The color that is used for danger elements.

Type: Palette object

Required: No

Dimension

The color that is used for dimension elements.

Type: Palette object

Required: No

Info

The color that is used for info elements.

Type: Palette object

Required: No

Measure

The color that is used for measure elements.

Type: Palette object

Required: No

Primary

The primary color.

Type: Palette object

Required: No

Secondary

The secondary color.

Type: Palette object

Required: No

Success

The color that is used for success elements.

Type: Palette object

Required: No

Warning

The color that is used for warning elements.

Type: Palette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrandDefinition

The definition of the brand.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BrandName

The name of the brand.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[ -ÿ]+`

Required: Yes

ApplicationTheme

The application theme of the brand.

Type: ApplicationTheme object

Required: No

Description

The description of the brand.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[ -ÿ]+`

Required: No

LogoConfiguration

The logo configuration of the brand.

Type: LogoConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrandDetail

The details of the brand.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BrandId

The ID of the Amazon QuickSight brand.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Arn

The Amazon Resource Name (ARN) of the brand.

Type: String

Required: No

BrandStatus

The status of the brand.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_SUCCEEDED | CREATE_FAILED | DELETE_IN_PROGRESS | DELETE_FAILED`

Required: No

CreatedTime

The time that the brand was created.

Type: Timestamp

Required: No

Errors

A list of errors that occurred during the most recent brand operation.

Type: Array of strings

Required: No

LastUpdatedTime

The last time the brand was updated.

Type: Timestamp

Required: No

Logo

The logo details.

Type: Logo object

Required: No

VersionId

The ID of the version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

VersionStatus

The status of the version.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_SUCCEEDED | CREATE_FAILED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrandElementStyle

The element style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NavbarStyle

The navigation bar style.

Type: NavbarStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

BrandSummary

A summary of the brand.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the brand.

Type: String

Required: No

BrandId

The ID of the Amazon QuickSight brand.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

BrandName

The name of the brand.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[ -ÿ]+`

Required: No

BrandStatus

The status of the brand.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_SUCCEEDED | CREATE_FAILED | DELETE_IN_PROGRESS | DELETE_FAILED`

Required: No

CreatedTime

The time that the brand was created.

Type: Timestamp

Required: No

Description

The description of the brand.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[ -ÿ]+`

Required: No

LastUpdatedTime

The time when the brand was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CalculatedColumn

A calculated column for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnId

A unique ID to identify a calculated column. During a dataset update, if the column ID of a calculated column matches that of an existing calculated column, Amazon QuickSight preserves the existing calculated column.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

ColumnName

Column name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Expression

An expression that defines the calculated column.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 250000.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CalculatedField

The calculated field of an analysis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifier

The data set that is used in this calculated field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

Expression

The expression of the calculated field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32000.

Required: Yes

Name

The name of the calculated field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CalculatedMeasureField

The table calculation measure field for pivot tables.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Expression

The expression in the table calculation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Capabilities

A set of actions that correspond to Amazon QuickSight permissions.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AddOrRunAnomalyDetectionForAnalyses

The ability to add or run anomaly detection.

Type: String

Valid Values: DENY

Required: No

CreateAndUpdateDashboardEmailReports

The ability to create and update email reports.

Type: String

Valid Values: DENY

Required: No

CreateAndUpdateDatasets

The ability to create and update datasets.

Type: String

Valid Values: DENY

Required: No

CreateAndUpdateDataSources

The ability to create and update data sources.

Type: String

Valid Values: DENY

Required: No

CreateAndUpdateThemes

The ability to export to Create and Update themes.

Type: String

Valid Values: DENY

Required: No

CreateAndUpdateThresholdAlerts

The ability to create and update threshold alerts.

Type: String

Valid Values: DENY

Required: No

CreateSharedFolders

The ability to create shared folders.

Type: String

Valid Values: DENY

Required: No

CreateSPICEDataset

The ability to create a SPICE dataset.

Type: String

Valid Values: DENY

Required: No

ExportToCsv

The ability to export to CSV files from the UI.

Type: String

Valid Values: DENY

Required: No

ExportToCsvInScheduledReports

The ability to export to CSV files in scheduled email reports.

Type: String

Valid Values: DENY

Required: No

ExportToExcel

The ability to export to Excel files from the UI.

Type: String

Valid Values: DENY

Required: No

ExportToExcelInScheduledReports

The ability to export to Excel files in scheduled email reports.

Type: String

Valid Values: DENY

Required: No

ExportToPdf

The ability to export to PDF files from the UI.

Type: String

Valid Values: DENY

Required: No

ExportToPdfInScheduledReports

The ability to export to PDF files in scheduled email reports.

Type: String

Valid Values: DENY

Required: No

IncludeContentInScheduledReportsEmail

The ability to include content in scheduled email reports.

Type: String

Valid Values: DENY

Required: No

PrintReports

The ability to print reports.

Type: String

Valid Values: DENY

Required: No

RenameSharedFolders

The ability to rename shared folders.

Type: String

Valid Values: DENY

Required: No

ShareAnalyses

The ability to share analyses.

Type: String

Valid Values: DENY

Required: No

ShareDashboards

The ability to share dashboards.

Type: String

Valid Values: DENY

Required: No

ShareDatasets

The ability to share datasets.

Type: String

Valid Values: DENY

Required: No

ShareDataSources

The ability to share data sources.

Type: String

Valid Values: DENY

Required: No

SubscribeDashboardEmailReports

The ability to subscribe to email reports.

Type: String

Valid Values: DENY

Required: No

ViewAccountSPICECapacity

The ability to view account SPICE capacity.

Type: String

Valid Values: DENY

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CascadingControlConfiguration

The values that are displayed in a control can be configured to only show values that are valid based on what's selected in other controls.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SourceControls

A list of source controls that determine the values that are used in the current control.

Type: Array of CascadingControlSource objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CascadingControlSource

The source controls that are used in a `CascadingControlConfiguration`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnToMatch

The column identifier that determines which column to look up for the source sheet control.

Type: ColumnIdentifier object

Required: No

SourceSheetControlId

The source sheet control ID of a `CascadingControlSource`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CastColumnTypeOperation

A transform operation that casts a column to a different type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

Column name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

NewColumnType

New column data type.

Type: String

Valid Values: `STRING | INTEGER | DECIMAL | DATETIME`

Required: Yes

Format

When casting a column from string to datetime type, you can supply a string in a format supported by Amazon QuickSight to denote the source data format.

Type: String

Length Constraints: Maximum length of 32.

Required: No

SubType

The sub data type of the new column. Sub types are only available for decimal columns that are part of a SPICE dataset.

Type: String

Valid Values: `FLOAT | FIXED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoricalDimensionField

The dimension type field with categorical type columns..

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `CategoricalDimensionField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

FormatConfiguration

The format configuration of the field.

Type: StringFormatConfiguration object

Required: No

HierarchyId

The custom hierarchy ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoricalMeasureField

The measure type field with categorical type columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `CategoricalMeasureField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

AggregationFunction

The aggregation function of the measure field.

Type: String

Valid Values: `COUNT | DISTINCT_COUNT`

Required: No

FormatConfiguration

The format configuration of the field.

Type: StringFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoryDrillDownFilter

The category drill down filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryValues

A list of the string inputs that are the values of the category drill down filter.

Type: Array of strings

Array Members: Maximum number of 100000 items.

Length Constraints: Maximum length of 512.

Required: Yes

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoryFilter

A `CategoryFilter` filters text values.

For more information, see Adding text filters in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

Configuration

The configuration for a `CategoryFilter`.

Type: CategoryFilterConfiguration object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoryFilterConfiguration

The configuration for a `CategoryFilter`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomFilterConfiguration

A custom filter that filters based on a single value. This filter can be partially matched.

Type: CustomFilterConfiguration object

Required: No

CustomFilterListConfiguration

A list of custom filter values. In the Amazon QuickSight console, this filter type is called a custom filter list.

Type: CustomFilterListConfiguration object

Required: No

FilterListConfiguration

A list of filter configurations. In the Amazon QuickSight console, this filter type is called a filter list.

Type: FilterListConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CategoryInnerFilter

A `CategoryInnerFilter` filters text values for the `NestedFilter`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

A column of a data set.

Type: ColumnIdentifier object

Required: Yes

Configuration

The configuration for a `CategoryFilter`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: CategoryFilterConfiguration object

Required: Yes

DefaultFilterControlConfiguration

The default configuration for all dependent controls of the filter.

Type: DefaultFilterControlConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CellValueSynonym

A structure that represents the cell value synonym.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CellValue

The cell value.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Synonyms

Other names or aliases for the cell value.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ChartAxisLabelOptions

The label options for an axis on a chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisLabelOptions

The label options for a chart axis.

Type: Array of AxisLabelOptions objects

Array Members: Maximum number of 100 items.

Required: No

SortIconVisibility

The visibility configuration of the sort icon on a chart's axis label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Visibility

The visibility of an axis label on a chart. Choose one of the following options:

- `VISIBLE`: Shows the axis.
- `HIDDEN`: Hides the axis.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ClusterMarker

The cluster marker that is a part of the cluster marker configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SimpleClusterMarker

The simple cluster marker of the cluster marker.

Type: SimpleClusterMarker object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ClusterMarkerConfiguration

The cluster marker configuration of the geospatial map selected point style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ClusterMarker

The cluster marker that is a part of the cluster marker configuration.

Type: ClusterMarker object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CollectiveConstant

A structure that represents a collective constant.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ValueList

A list of values for the collective constant.

Type: Array of strings

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CollectiveConstantEntry

The definition for a `CollectiveConstantEntry`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConstantType

The `ConstantType` of a `CollectiveConstantEntry`.

Type: String

Valid Values: `SINGULAR | RANGE | COLLECTIVE`

Required: No

Value

The value of a `CollectiveConstantEntry`.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColorScale

Determines the color scale that is applied to the visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColorFillType

Determines the color fill type.

Type: String

Valid Values: `DISCRETE | GRADIENT`

Required: Yes

Colors

Determines the list of colors that are applied to the visual.

Type: Array of DataColor objects

Array Members: Minimum number of 2 items. Maximum number of 3 items.

Required: Yes

NullValueColor

Determines the color that is applied to null values.

Type: DataColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColorsConfiguration

The color configurations for a column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomColors

A list of up to 50 custom colors.

Type: Array of CustomColor objects

Array Members: Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnConfiguration

The general configuration of a column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column.

Type: ColumnIdentifier object

Required: Yes

ColorsConfiguration

The color configurations of the column.

Type: ColorsConfiguration object

Required: No

FormatConfiguration

The format configuration of a column.

Type: FormatConfiguration object

Required: No

Role

The role of the column.

Type: String

Valid Values: `DIMENSION | MEASURE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnDescription

Metadata that contains a description for a column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Text

The text of a description for a column.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnGroup

Groupings of columns that work together in certain Amazon QuickSight features. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GeoSpatialColumnGroup

Geospatial column group that denotes a hierarchy.

Type: GeoSpatialColumnGroup object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnGroupColumnSchema

A structure describing the name, data type, and geographic role of the columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the column group's column schema.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnGroupSchema

The column group schema.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnGroupColumnSchemaList

A structure containing the list of schemas for column group columns.

Type: Array of ColumnGroupColumnSchema objects

Array Members: Maximum number of 500 items.

Required: No

Name

The name of the column group schema.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnHierarchy

The option that determines the hierarchy of the fields for a visual element.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeHierarchy

The option that determines the hierarchy of any `DateTime` fields.

Type: DateTimeHierarchy object

Required: No

ExplicitHierarchy

The option that determines the hierarchy of the fields that are built within a visual's field wells. These fields can't be duplicated to other visuals.

Type: ExplicitHierarchy object

Required: No

PredefinedHierarchy

The option that determines the hierarchy of the fields that are defined during data preparation. These fields are available to use in any analysis that uses the data source.

Type: PredefinedHierarchy object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnIdentifier

A column of a data set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

The name of the column.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

DataSetIdentifier

The data set that the column belongs to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnLevelPermissionRule

A rule defined to grant access on one or more restricted columns. Each dataset can have multiple rules. To create a restricted column, you add it to one or more rules. Each rule must contain at least one column and at least one user or group. To be able to see a restricted column, a user or group needs to be added to a rule for that column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnNames

An array of column names.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

Principals

An array of Amazon Resource Names (ARNs) for Amazon QuickSight users or groups.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ColumnSchema

The column schema.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataType

The data type of the column schema.

Type: String

Required: No

GeographicRole

The geographic role of the column schema.

Type: String

Required: No

Name

The name of the column schema.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ColumnSort

The sort configuration for a column that is not used in a field well.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Direction

The sort direction.

Type: String

Valid Values: `ASC | DESC`

Required: Yes

SortBy

A column of a data set.

Type: ColumnIdentifier object

Required: Yes

AggregationFunction

The aggregation function that is defined in the column sort.

Type: AggregationFunction object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnTag

A tag for a column in a `TagColumnOperation` structure. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnDescription

A description for a column.

Type: ColumnDescription object

Required: No

ColumnGeographicRole

A geospatial role for a column.

Type: String

Valid Values: `COUNTRY | STATE | COUNTY | CITY | POSTCODE | LONGITUDE | LATITUDE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ColumnTooltipItem

The tooltip item for the columns that are not part of a field well.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The target column of the tooltip item.

Type: ColumnIdentifier object

Required: Yes

Aggregation

The aggregation function of the column tooltip item.

Type: AggregationFunction object

Required: No

Label

The label of the tooltip item.

Type: String

Required: No

TooltipTarget

Determines the target of the column tooltip item in a combo chart visual.

Type: String

Valid Values: `BOTH | BAR | LINE`

Required: No

Visibility

The visibility of the tooltip item.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComboChartAggregatedFieldWells

The aggregated field wells of a combo chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BarValues

The aggregated `BarValues` field well of a combo chart.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

Category

The aggregated category field wells of a combo chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Colors

The aggregated colors field well of a combo chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

LineValues

The aggregated `LineValues` field well of a combo chart.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComboChartConfiguration

The configuration of a `ComboChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BarDataLabels

The options that determine if visual data labels are displayed.

The data label options for a bar in a combo chart.

Type: DataLabelOptions object

Required: No

BarsArrangement

Determines the bar arrangement in a combo chart. The following are valid values in this structure:

- `CLUSTERED`: For clustered bar combo charts.
- `STACKED`: For stacked bar combo charts.
- `STACKED_PERCENT`: Do not use. If you use this value, the operation returns a validation error.

Type: String

Valid Values: `CLUSTERED | STACKED | STACKED_PERCENT`

Required: No

CategoryAxis

The category axis of a combo chart.

Type: AxisDisplayOptions object

Required: No

CategoryLabelOptions

The label options (label text, label visibility, and sort icon visibility) of a combo chart category (group/color) field well.

Type: ChartAxisLabelOptions object

Required: No

ColorLabelOptions

The label options (label text, label visibility, and sort icon visibility) of a combo chart's color field well.

Type: ChartAxisLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: ComboChartFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

LineDataLabels

The options that determine if visual data labels are displayed.

The data label options for a line in a combo chart.

Type: DataLabelOptions object

Required: No

PrimaryYAxisDisplayOptions

The label display options (grid line, range, scale, and axis step) of a combo chart's primary y-axis (bar) field well.

Type: AxisDisplayOptions object

Required: No

PrimaryYAxisLabelOptions

The label options (label text, label visibility, and sort icon visibility) of a combo chart's primary y-axis (bar) field well.

Type: ChartAxisLabelOptions object

Required: No

ReferenceLines

The reference line setup of the visual.

Type: Array of ReferenceLine objects

Array Members: Maximum number of 20 items.

Required: No

SecondaryYAxisDisplayOptions

The label display options (grid line, range, scale, axis step) of a combo chart's secondary y-axis (line) field well.

Type: AxisDisplayOptions object

Required: No

SecondaryYAxisLabelOptions

The label options (label text, label visibility, and sort icon visibility) of a combo chart's secondary y-axis(line) field well.

Type: ChartAxisLabelOptions object

Required: No

SingleAxisOptions

The settings of a chart's single axis configuration.

Type: SingleAxisOptions object

Required: No

SortConfiguration

The sort configuration of a `ComboChartVisual`.

Type: ComboChartSortConfiguration object

Required: No

Tooltip

The legend display setup of the visual.

Type: TooltipOptions object

Required: No

VisualPalette

The palette (chart color) display setup of the visual.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComboChartFieldWells

The field wells of the visual.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComboChartAggregatedFieldWells

The aggregated field wells of a combo chart. Combo charts only have aggregated field wells. Columns in a combo chart are aggregated by category.

Type: ComboChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComboChartSortConfiguration

The sort configuration of a `ComboChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimit

The item limit configuration for the category field well of a combo chart.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of the category field well in a combo chart.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

ColorItemsLimit

The item limit configuration of the color field well in a combo chart.

Type: ItemsLimitConfiguration object

Required: No

ColorSort

The sort configuration of the color field well in a combo chart.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComboChartVisual

A combo chart.

The `ComboChartVisual` includes stacked bar combo charts and clustered bar combo charts

For more information, see Using combo charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: ComboChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ComparativeOrder

A structure that represents a comparative order.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SpecifedOrder

The list of columns to be used in the ordering.

Type: Array of strings

Required: No

TreatUndefinedSpecifiedValues

The treat of undefined specified values. Valid values for this structure are `LEAST` and `MOST`.

Type: String

Valid Values: `LEAST | MOST`

Required: No

UseOrdering

The ordering type for a column. Valid values for this structure are `GREATER_IS_BETTER`, `LESSER_IS_BETTER` and `SPECIFIED`.

Type: String

Valid Values: `GREATER_IS_BETTER | LESSER_IS_BETTER | SPECIFIED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComparisonConfiguration

The comparison display configuration of a KPI or gauge chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComparisonFormat

The format of the comparison.

Type: ComparisonFormatConfiguration object

Required: No

ComparisonMethod

The method of the comparison. Choose from the following options:

- `DIFFERENCE`
- `PERCENT_DIFFERENCE`
- `PERCENT`

Type: String

Valid Values: `DIFFERENCE | PERCENT_DIFFERENCE | PERCENT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ComparisonFormatConfiguration

The format of the comparison.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NumberDisplayFormatConfiguration

The number display format.

Type: NumberDisplayFormatConfiguration object

Required: No

PercentageDisplayFormatConfiguration

The percentage display format.

Type: PercentageDisplayFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Computation

The computation union that is used in an insight visual.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Forecast

The forecast computation configuration.

Type: ForecastComputation object

Required: No

GrowthRate

The growth rate computation configuration.

Type: GrowthRateComputation object

Required: No

MaximumMinimum

The maximum and minimum computation configuration.

Type: MaximumMinimumComputation object

Required: No

MetricComparison

The metric comparison computation configuration.

Type: MetricComparisonComputation object

Required: No

PeriodOverPeriod

The period over period computation configuration.

Type: PeriodOverPeriodComputation object

Required: No

PeriodToDate

The period to `DataSetIdentifier` computation configuration.

Type: PeriodToDateComputation object

Required: No

TopBottomMovers

The top movers and bottom movers computation configuration.

Type: TopBottomMoversComputation object

Required: No

TopBottomRanked

The top ranked and bottom ranked computation configuration.

Type: TopBottomRankedComputation object

Required: No

TotalAggregation

The total aggregation computation configuration.

Type: TotalAggregationComputation object

Required: No

UniqueValues

The unique values computation configuration.

Type: UniqueValuesComputation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingColor

The formatting configuration for the color.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Gradient

Formatting configuration for gradient color.

Type: ConditionalFormattingGradientColor object

Required: No

Solid

Formatting configuration for solid color.

Type: ConditionalFormattingSolidColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingCustomIconCondition

Determines the custom condition for an icon set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Expression

The expression that determines the condition of the icon set.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

IconOptions

Custom icon options for an icon set.

Type: ConditionalFormattingCustomIconOptions object

Required: Yes

Color

Determines the color of the icon.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

DisplayConfiguration

Determines the icon display configuration.

Type: ConditionalFormattingIconDisplayConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingCustomIconOptions

Custom icon options for an icon set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Icon

Determines the type of icon.

Type: String

Valid Values: `CARET_UP | CARET_DOWN | PLUS | MINUS | ARROW_UP | ARROW_DOWN | ARROW_LEFT | ARROW_UP_LEFT | ARROW_DOWN_LEFT | ARROW_RIGHT | ARROW_UP_RIGHT | ARROW_DOWN_RIGHT | FACE_UP | FACE_DOWN | FACE_FLAT | ONE_BAR | TWO_BAR | THREE_BAR | CIRCLE | TRIANGLE | SQUARE | FLAG | THUMBS_UP | THUMBS_DOWN | CHECKMARK | X`

Required: No

UnicodeIcon

Determines the Unicode icon type.

Type: String

Pattern: `^[^\u0000-\u00FF]$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingGradientColor

Formatting configuration for gradient color.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

Determines the color.

Type: GradientColor object

Required: Yes

Expression

The expression that determines the formatting configuration for gradient color.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingIcon

The formatting configuration for the icon.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomCondition

Determines the custom condition for an icon set.

Type: ConditionalFormattingCustomIconCondition object

Required: No

IconSet

Formatting configuration for icon set.

Type: ConditionalFormattingIconSet object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingIconDisplayConfiguration

Determines the icon display configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

IconDisplayOption

Determines the icon display configuration.

Type: String

Valid Values: `ICON_ONLY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingIconSet

Formatting configuration for icon set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Expression

The expression that determines the formatting configuration for the icon set.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

IconSetType

Determines the icon set type.

Type: String

Valid Values: `PLUS_MINUS | CHECK_X | THREE_COLOR_ARROW | THREE_GRAY_ARROW | CARET_UP_MINUS_DOWN | THREE_SHAPE | THREE_CIRCLE | FLAGS | BARS | FOUR_COLOR_ARROW | FOUR_GRAY_ARROW`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ConditionalFormattingSolidColor

Formatting configuration for solid color.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Expression

The expression that determines the formatting configuration for solid color.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

Color

Determines the color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ContextMenuOption

The context menu options for a visual's interactions.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The availability status of the context menu options. If the value of this property is set to `ENABLED`, dashboard readers can interact with the context menu.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ContributionAnalysisDefault

The contribution analysis visual display for a line, pie, or bar chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContributorDimensions

The dimensions columns that are used in the contribution analysis, usually a list of `ColumnIdentifiers`.

Type: Array of ColumnIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Required: Yes

MeasureFieldId

The measure field that is used in the contribution analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ContributionAnalysisFactor

The definition for the `ContributionAnalysisFactor`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldName

The field name of the `ContributionAnalysisFactor`.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ContributionAnalysisTimeRanges

The definition for the `ContributionAnalysisTimeRanges`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

EndRange

The end range for the `ContributionAnalysisTimeRanges`.

Type: TopicIRFilterOption object

Required: No

StartRange

The start range for the `ContributionAnalysisTimeRanges`.

Type: TopicIRFilterOption object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CreateColumnsOperation

A transform operation that creates calculated columns. Columns created in one such operation form a lexical closure.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Columns

Calculated columns to create.

Type: Array of CalculatedColumn objects

Array Members: Minimum number of 1 item. Maximum number of 128 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CreateTopicReviewedAnswer

The definition for a `CreateTopicReviewedAnswer`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnswerId

The answer ID for the `CreateTopicReviewedAnswer`.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

DatasetArn

The Dataset arn for the `CreateTopicReviewedAnswer`.

Type: String

Required: Yes

Question

The Question to be created.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

Mir

The Mir for the `CreateTopicReviewedAnswer`.

Type: TopicIR object

Required: No

PrimaryVisual

The `PrimaryVisual` for the `CreateTopicReviewedAnswer`.

Type: TopicVisual object

Required: No

Template

The template for the `CreateTopicReviewedAnswer`.

Type: TopicTemplate object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CredentialPair

The combination of user name and password that are used as credentials.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Password

Password.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

Username

User name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

AlternateDataSourceParameters

A set of alternate data source parameters that you want to share for these credentials. The credentials are applied in tandem with the data source parameters when you copy a data source by using a create or update request. The API operation compares the `DataSourceParameters` structure that's in the request with the structures in the `AlternateDataSourceParameters` allow list. If the structures are an exact match, the request is allowed to use the new data source with the existing credentials. If the `AlternateDataSourceParameters` list is null, the `DataSourceParameters` originally used with these `Credentials` is automatically allowed.

Type: Array of DataSourceParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CurrencyDisplayFormatConfiguration

The options that determine the currency display format configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DecimalPlacesConfiguration

The option that determines the decimal places configuration.

Type: DecimalPlacesConfiguration object

Required: No

NegativeValueConfiguration

The options that determine the negative value configuration.

Type: NegativeValueConfiguration object

Required: No

NullValueFormatConfiguration

The options that determine the null value format configuration.

Type: NullValueFormatConfiguration object

Required: No

NumberScale

Determines the number scale value for the currency format.

Type: String

Valid Values: `NONE | AUTO | THOUSANDS | MILLIONS | BILLIONS | TRILLIONS | LAKHS | CRORES`

Required: No

Prefix

Determines the prefix value of the currency format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

SeparatorConfiguration

The options that determine the numeric separator configuration.

Type: NumericSeparatorConfiguration object

Required: No

Suffix

Determines the suffix value of the currency format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

Symbol

Determines the symbol for the currency format.

Type: String

Pattern: `[A-Z]{3}`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomActionFilterOperation

The filter operation that filters data included in a visual or in an entire sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SelectedFieldsConfiguration

The configuration that chooses the fields to be filtered.

Type: FilterOperationSelectedFieldsConfiguration object

Required: Yes

TargetVisualsConfiguration

The configuration that chooses the target visuals to be filtered.

Type: FilterOperationTargetVisualsConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomActionNavigationOperation

The navigation operation that navigates between different sheets in the same analysis.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LocalNavigationConfiguration

The configuration that chooses the navigation target.

Type: LocalNavigationConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomActionSetParametersOperation

The set parameter operation that sets parameters in custom action.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterValueConfigurations

The parameter that determines the value configuration.

Type: Array of SetParameterValueConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomActionURLOperation

The URL operation that opens a link to another webpage.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

URLTarget

The target of the `CustomActionURLOperation`.

Valid values are defined as follows:

- `NEW_TAB`: Opens the target URL in a new browser tab.
- `NEW_WINDOW`: Opens the target URL in a new browser window.
- `SAME_TAB`: Opens the target URL in the same browser tab.

Type: String

Valid Values: `NEW_TAB | NEW_WINDOW | SAME_TAB`

Required: Yes

URLTemplate

THe URL link of the `CustomActionURLOperation`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomColor

Determines the color that's applied to a particular data value in a column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color that is applied to the data value.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: Yes

FieldValue

The data value that the color is applied to.

Type: String

Length Constraints: Maximum length of 2048.

Required: No

SpecialValue

The value of a special data value.

Type: String

Valid Values: `EMPTY | NULL | OTHER`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomContentConfiguration

The configuration of a `CustomContentVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContentType

The content type of the custom content visual. You can use this to have the visual render as an image.

Type: String

Valid Values: `IMAGE | OTHER_EMBEDDED_CONTENT`

Required: No

ContentUrl

The input URL that links to the custom content that you want in the custom visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

ImageScaling

The sizing options for the size of the custom content visual. This structure is required when the `ContentType` of the visual is `'IMAGE'`.

Type: String

Valid Values: `FIT_TO_HEIGHT | FIT_TO_WIDTH | DO_NOT_SCALE | SCALE_TO_VISUAL`

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomContentVisual

A visual that contains custom content.

For more information, see Using custom visual content in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifier

The dataset that is used to create the custom content visual. You can't create a visual without a dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a `CustomContentVisual`.

Type: CustomContentConfiguration object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

CustomFilterConfiguration

A custom filter that filters based on a single value. This filter can be partially matched.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MatchOperator

The match operator that is used to determine if a filter should be applied.

Type: String

Valid Values: `EQUALS | DOES_NOT_EQUAL | CONTAINS | DOES_NOT_CONTAIN | STARTS_WITH | ENDS_WITH`

Required: Yes

NullOption

This option determines how null values should be treated when filtering data.

- `ALL_VALUES`: Include null values in filtered results.
- `NULLS_ONLY`: Only include null values in filtered results.
- `NON_NULLS_ONLY`: Exclude null values from filtered results.

Type: String

Valid Values: `ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY`

Required: Yes

CategoryValue

The category value for the filter.

This field is mutually exclusive to `ParameterName`.

Type: String

Length Constraints: Maximum length of 512.

Required: No

ParameterName

The parameter whose value should be used for the filter value.

This field is mutually exclusive to `CategoryValue`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

SelectAllOptions

Select all of the values. Null is not the assigned value of select all.

- `FILTER_ALL_VALUES`

Type: String

Valid Values: `FILTER_ALL_VALUES`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomFilterListConfiguration

A list of custom filter values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MatchOperator

The match operator that is used to determine if a filter should be applied.

Type: String

Valid Values: `EQUALS | DOES_NOT_EQUAL | CONTAINS | DOES_NOT_CONTAIN | STARTS_WITH | ENDS_WITH`

Required: Yes

NullOption

This option determines how null values should be treated when filtering data.

- `ALL_VALUES`: Include null values in filtered results.
- `NULLS_ONLY`: Only include null values in filtered results.
- `NON_NULLS_ONLY`: Exclude null values from filtered results.

Type: String

Valid Values: `ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY`

Required: Yes

CategoryValues

The list of category values for the filter.

Type: Array of strings

Array Members: Maximum number of 100000 items.

Length Constraints: Maximum length of 512.

Required: No

SelectAllOptions

Select all of the values. Null is not the assigned value of select all.

- `FILTER_ALL_VALUES`

Type: String

Valid Values: `FILTER_ALL_VALUES`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomNarrativeOptions

The custom narrative options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Narrative

The string input of custom narrative.

Type: String

Length Constraints: Maximum length of 150000.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomParameterValues

The customized parameter values.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeValues

A list of datetime-type parameter values.

Type: Array of timestamps

Array Members: Maximum number of 50000 items.

Required: No

DecimalValues

A list of decimal-type parameter values.

Type: Array of doubles

Array Members: Maximum number of 50000 items.

Required: No

IntegerValues

A list of integer-type parameter values.

Type: Array of longs

Array Members: Maximum number of 50000 items.

Required: No

StringValues

A list of string-type parameter values.

Type: Array of strings

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomPermissions

The custom permissions profile.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the custom permissions profile.

Type: String

Required: No

Capabilities

A set of actions in the custom permissions profile.

Type: Capabilities object

Required: No

CustomPermissionsName

The name of the custom permissions profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomSql

A physical table type built from the results of the custom SQL query.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSourceArn

The Amazon Resource Name (ARN) of the data source.

Type: String

Required: Yes

Name

A display name for the SQL query result.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

SqlQuery

The SQL query.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 168000.

Required: Yes

Columns

The column schema from the SQL query result set.

Type: Array of InputColumn objects

Array Members: Minimum number of 1 item. Maximum number of 2048 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

CustomValuesConfiguration

The configuration of custom values for the destination parameter in `DestinationParameterValueConfiguration`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomValues

The customized parameter values.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: CustomParameterValues object

Required: Yes

IncludeNullValue

Includes the null value in custom action parameter values.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Dashboard

Dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

CreatedTime

The time that this dashboard was created.

Type: Timestamp

Required: No

DashboardId

Dashboard ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

LastPublishedTime

The last time that this dashboard was published.

Type: Timestamp

Required: No

LastUpdatedTime

The last time that this dashboard was updated.

Type: Timestamp

Required: No

LinkEntities

A list of analysis Amazon Resource Names (ARNs) to be linked to the dashboard.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `^arn:aws[\w\-]*:quicksight:[\w\-]+:\d+:analysis/[\w\-]{1,512}`

Required: No

Name

A display name for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Version

Version.

Type: DashboardVersion object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardError

Dashboard error.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

Message.

Type: String

Pattern: `.*\S.*`

Required: No

Type

Type.

Type: String

Valid Values: `ACCESS_DENIED | SOURCE_NOT_FOUND | DATA_SET_NOT_FOUND | INTERNAL_FAILURE | PARAMETER_VALUE_INCOMPATIBLE | PARAMETER_TYPE_INVALID | PARAMETER_NOT_FOUND | COLUMN_TYPE_MISMATCH | COLUMN_GEOGRAPHIC_ROLE_MISMATCH | COLUMN_REPLACEMENT_MISSING`

Required: No

ViolatedEntities

Lists the violated entities that caused the dashboard error.

Type: Array of Entity objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardPublishOptions

Dashboard publish options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AdHocFilteringOption

Ad hoc (one-time) filtering option.

Type: AdHocFilteringOption object

Required: No

DataPointDrillUpDownOption

The drill-down options of data points in a dashboard.

Type: DataPointDrillUpDownOption object

Required: No

DataPointMenuLabelOption

The data point menu label options of a dashboard.

Type: DataPointMenuLabelOption object

Required: No

DataPointTooltipOption

The data point tool tip options of a dashboard.

Type: DataPointTooltipOption object

Required: No

DataQAEnabledOption

Adds Q&A capabilities to an Amazon QuickSight dashboard. If no topic is linked, Dashboard Q&A uses the data values that are rendered on the dashboard. End users can use Dashboard Q&A to ask for different slices of the data that they see on the dashboard. If a topic is linked, Topic Q&A is used.

Type: DataQAEnabledOption object

Required: No

ExportToCSVOption

Export to .csv option.

Type: ExportToCSVOption object

Required: No

ExportWithHiddenFieldsOption

Determines if hidden fields are exported with a dashboard.

Type: ExportWithHiddenFieldsOption object

Required: No

SheetControlsOption

Sheet controls option.

Type: SheetControlsOption object

Required: No

SheetLayoutElementMaximizationOption

The sheet layout maximization options of a dashbaord.

Type: SheetLayoutElementMaximizationOption object

Required: No

VisualAxisSortOption

The axis sort options of a dashboard.

Type: VisualAxisSortOption object

Required: No

VisualMenuOption

The menu options of a visual in a dashboard.

Type: VisualMenuOption object

Required: No

VisualPublishOptions

This member has been deprecated.

The visual publish options of a visual in a dashboard.

Type: DashboardVisualPublishOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardSearchFilter

A filter that you apply when searching for dashboards.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Operator

The comparison operator that you want to use as a filter, for example `"Operator": "StringEquals"`. Valid values are `"StringEquals"` and `"StringLike"`.

If you set the operator value to `"StringEquals"`, you need to provide an ownership related filter in the `"NAME"` field and the arn of the user or group whose folders you want to search in the `"Value"` field. For example, `"Name":"DIRECT_QUICKSIGHT_OWNER", "Operator": "StringEquals", "Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1"`.

If you set the value to `"StringLike"`, you need to provide the name of the folders you are searching for. For example, `"Name":"DASHBOARD_NAME", "Operator": "StringLike", "Value": "Test"`. The `"StringLike"` operator only supports the `NAME` value `DASHBOARD_NAME`.

Type: String

Valid Values: `StringEquals | StringLike`

Required: Yes

Name

The name of the value that you want to use as a filter, for example, `"Name": "QUICKSIGHT_OWNER"`.

Valid values are defined as follows:

- `QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any dashboards with that ARN listed as one of the dashboards's owners or viewers are returned. Implicit permissions from folders or groups are considered.

- QUICKSIGHT_OWNER: Provide an ARN of a user or group, and any dashboards with that ARN listed as one of the owners of the dashboards are returned. Implicit permissions from folders or groups are considered.
- DIRECT_QUICKSIGHT_SOLE_OWNER: Provide an ARN of a user or group, and any dashboards with that ARN listed as the only owner of the dashboard are returned. Implicit permissions from folders or groups are not considered.
- DIRECT_QUICKSIGHT_OWNER: Provide an ARN of a user or group, and any dashboards with that ARN listed as one of the owners of the dashboards are returned. Implicit permissions from folders or groups are not considered.
- DIRECT_QUICKSIGHT_VIEWER_OR_OWNER: Provide an ARN of a user or group, and any dashboards with that ARN listed as one of the owners or viewers of the dashboards are returned. Implicit permissions from folders or groups are not considered.
- DASHBOARD_NAME: Any dashboards whose names have a substring match to this value will be returned.

Type: String

Valid Values: `QUICKSIGHT_USER | QUICKSIGHT_VIEWER_OR_OWNER | DIRECT_QUICKSIGHT_VIEWER_OR_OWNER | QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_SOLE_OWNER | DASHBOARD_NAME`

Required: No

Value

The value of the named item, in this case QUICKSIGHT_USER, that you want to use as a filter, for example, `"Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1"`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardSourceEntity

Dashboard source entity.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SourceTemplate

Source template.

Type: DashboardSourceTemplate object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardSourceTemplate

Dashboard source template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: Yes

DataSetReferences

Dataset references.

Type: Array of DataSetReference objects

Array Members: Minimum number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardSummary

Dashboard summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

CreatedTime

The time that this dashboard was created.

Type: Timestamp

Required: No

DashboardId

Dashboard ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

LastPublishedTime

The last time that this dashboard was published.

Type: Timestamp

Required: No

LastUpdatedTime

The last time that this dashboard was updated.

Type: Timestamp

Required: No

Name

A display name for the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

PublishedVersionNumber

Published version number.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardVersion

Dashboard version.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

CreatedTime

The time that this dashboard version was created.

Type: Timestamp

Required: No

DataSetArns

The Amazon Resource Numbers (ARNs) for the datasets that are associated with this version of the dashboard.

Type: Array of strings

Array Members: Maximum number of 100 items.

Required: No

Description

Description.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Errors

Errors associated with this dashboard version.

Type: Array of DashboardError objects

Array Members: Minimum number of 1 item.

Required: No

Sheets

A list of the associated sheets with the unique identifier and name of each sheet.

Type: Array of Sheet objects

Array Members: Maximum number of 20 items.

Required: No

SourceEntityArn

Source entity ARN.

Type: String

Required: No

Status

The HTTP status of the request.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

ThemeArn

The ARN of the theme associated with a version of the dashboard.

Type: String

Required: No

VersionNumber

Version number for this version of the dashboard.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardVersionDefinition

The contents of a dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifierDeclarations

An array of dataset identifier declarations. With this mapping,you can use dataset identifiers instead of dataset Amazon Resource Names (ARNs) throughout the dashboard's sub-structures.

Type: Array of DataSetIdentifierDeclaration objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

AnalysisDefaults

The configuration for default analysis settings.

Type: AnalysisDefaults object

Required: No

CalculatedFields

An array of calculated field definitions for the dashboard.

Type: Array of CalculatedField objects

Array Members: Maximum number of 500 items.

Required: No

ColumnConfigurations

An array of dashboard-level column configurations. Column configurations are used to set the default formatting for a column that is used throughout a dashboard.

Type: Array of ColumnConfiguration objects

Array Members: Maximum number of 2000 items.

Required: No

FilterGroups

The filter definitions for a dashboard.

For more information, see Filtering Data in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Type: Array of FilterGroup objects

Array Members: Maximum number of 2000 items.

Required: No

Options

An array of option definitions for a dashboard.

Type: AssetOptions object

Required: No

ParameterDeclarations

The parameter declarations for a dashboard. Parameters are named variables that can transfer a value for use by an action or an object.

For more information, see Parameters in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Type: Array of ParameterDeclaration objects

Array Members: Maximum number of 200 items.

Required: No

Sheets

An array of sheet definitions for a dashboard.

Type: Array of SheetDefinition objects

Array Members: Maximum number of 20 items.

Required: No

StaticFiles

The static files for the definition.

Type: Array of StaticFile objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardVersionSummary

Dashboard version summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

CreatedTime

The time that this dashboard version was created.

Type: Timestamp

Required: No

Description

Description.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

SourceEntityArn

Source entity ARN.

Type: String

Required: No

Status

The HTTP status of the request.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

VersionNumber

Version number.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardVisualId

A structure that contains the following elements:

- The DashboardId of the dashboard that has the visual that you want to embed.
- The SheetId of the sheet that has the visual that you want to embed.
- The VisualId of the visual that you want to embed.

The DashboardId, SheetId, and VisualId can be found in the IDs for developers section of the Embed visual pane of the visual's on-visual menu of the Amazon QuickSight console. You can also get the DashboardId with a ListDashboards API operation.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DashboardId

The ID of the dashboard that has the visual that you want to embed. The DashboardId can be found in the IDs for developers section of the Embed visual pane of the visual's on-visual menu of the Amazon QuickSight console. You can also get the DashboardId with a ListDashboards API operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: [\w\-]+

Required: Yes

SheetId

The ID of the sheet that the has visual that you want to embed. The SheetId can be found in the IDs for developers section of the Embed visual pane of the visual's on-visual menu of the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VisualId

The ID of the visual that you want to embed. The `VisualID` can be found in the `IDs for developers` section of the `Embed visual` pane of the visual's on-visual menu of the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardVisualPublishOptions

The visual publish options of a visual in a dashboard

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ExportHiddenFieldsOption

Determines if hidden fields are included in an exported dashboard.

Type: ExportHiddenFieldsOption object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DashboardVisualResult

The QA result that is made from dashboard visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DashboardId

The ID of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

DashboardName

The name of the dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

DashboardUrl

The URL of the dashboard.

Type: String

Required: No

SheetId

The ID of the sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

SheetName

The name of the sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

VisualId

The ID of the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

VisualSubtitle

The subtitle of the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

VisualTitle

The title of the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataAggregation

A structure that represents a data aggregation.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DatasetRowDateGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

DefaultDateColumnName

The column name for the default date.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataBarsOptions

The options for data bars.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID for the data bars options.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

NegativeColor

The color of the negative data bar.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

PositiveColor

The color of the positive data bar.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DatabricksParameters

The parameters that are required to connect to a Databricks data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Host

The host name of the Databricks data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

The port for the Databricks data source.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

SqlEndpointPath

The HTTP path of the Databricks data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataColor

Determines the color that is applied to a particular data value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color that is applied to the data value.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

DataValue

The data value that the color is applied to.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataColorPalette

The theme colors that are used for data colors in charts. The colors description is a hexadecimal color code that consists of six alphanumerical characters, prefixed with #, for example #37BFF5.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Colors

The hexadecimal codes for the colors.

Type: Array of strings

Array Members: Maximum number of 100 items.

Pattern: `^#[A-F0-9]{6}$`

Required: No

EmptyFillColor

The hexadecimal code of a color that applies to charts where a lack of data is highlighted.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

MinMaxGradient

The minimum and maximum hexadecimal codes that describe a color gradient.

Type: Array of strings

Array Members: Maximum number of 100 items.

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataFieldSeriesItem

The data field series item configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisBinding

The axis that you are binding the field to.

Type: String

Valid Values: `PRIMARY_YAXIS | SECONDARY_YAXIS`

Required: Yes

FieldId

The field ID of the field that you are setting the axis binding to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

FieldValue

The field value of the field that you are setting the axis binding to.

Type: String

Required: No

Settings

The options that determine the presentation of line series associated to the field.

Type: LineChartSeriesSettings object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataLabelOptions

The options that determine the presentation of the data labels.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryLabelVisibility

Determines the visibility of the category field labels.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

DataLabelTypes

The option that determines the data label type.

Type: Array of DataLabelType objects

Array Members: Maximum number of 100 items.

Required: No

LabelColor

Determines the color of the data labels.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

LabelContent

Determines the content of the data labels.

Type: String

Valid Values: `VALUE | PERCENT | VALUE_AND_PERCENT`

Required: No

LabelFontConfiguration

Determines the font configuration of the data labels.

Type: FontConfiguration object

Required: No

MeasureLabelVisibility

Determines the visibility of the measure field labels.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Overlap

Determines whether overlap is enabled or disabled for the data labels.

Type: String

Valid Values: `DISABLE_OVERLAP | ENABLE_OVERLAP`

Required: No

Position

Determines the position of the data labels.

Type: String

Valid Values: `INSIDE | OUTSIDE | LEFT | TOP | BOTTOM | RIGHT`

Required: No

TotalsVisibility

Determines the visibility of the total.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Visibility

Determines the visibility of the data labels.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataLabelType

The option that determines the data label type.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataPathLabelType

The option that specifies individual data values for labels.

Type: DataPathLabelType object

Required: No

FieldLabelType

Determines the label configuration for the entire field.

Type: FieldLabelType object

Required: No

MaximumLabelType

Determines the label configuration for the maximum value in a visual.

Type: MaximumLabelType object

Required: No

MinimumLabelType

Determines the label configuration for the minimum value in a visual.

Type: MinimumLabelType object

Required: No

RangeEndsLabelType

Determines the label configuration for range end value in a visual.

Type: RangeEndsLabelType object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPathColor

The color map that determines the color options for a particular element.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color that needs to be applied to the element.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: Yes

Element

The element that the color needs to be applied to.

Type: DataPathValue object

Required: Yes

TimeGranularity

The time granularity of the field that the color needs to be applied to.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPathLabelType

The option that specifies individual data values for labels.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID of the field that the data label needs to be applied to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

FieldValue

The actual value of the field that is labeled.

Type: String

Length Constraints: Maximum length of 2048.

Required: No

Visibility

The visibility of the data label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPathSort

Allows data paths to be sorted by a specific data value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Direction

Determines the sort direction.

Type: String

Valid Values: `ASC | DESC`

Required: Yes

SortPaths

The list of data paths that need to be sorted.

Type: Array of DataPathValue objects

Array Members: Maximum number of 20 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPathType

The type of the data path value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PivotTableDataPathType

The type of data path value utilized in a pivot table. Choose one of the following options:

- `HIERARCHY_ROWS_LAYOUT_COLUMN` - The type of data path for the rows layout column, when `RowsLayout` is set to `HIERARCHY`.
- `MULTIPLE_ROW_METRICS_COLUMN` - The type of data path for the metric column when the row is set to Metric Placement.
- `EMPTY_COLUMN_HEADER` - The type of data path for the column with empty column header, when there is no field in `ColumnsFieldWell` and the row is set to Metric Placement.
- `COUNT_METRIC_COLUMN` - The type of data path for the column with `COUNT` as the metric, when there is no field in the `ValuesFieldWell`.

Type: String

Valid Values: `HIERARCHY_ROWS_LAYOUT_COLUMN | MULTIPLE_ROW_METRICS_COLUMN | EMPTY_COLUMN_HEADER | COUNT_METRIC_COLUMN`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPathValue

The data path that needs to be sorted.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataPathType

The type configuration of the field.

Type: DataPathType object

Required: No

FieldId

The field ID of the field that needs to be sorted.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

FieldValue

The actual value of the field that needs to be sorted.

Type: String

Length Constraints: Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPointDrillUpDownOption

The drill down options for data points in a dashbaord.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the drill down options of data points.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPointMenuLabelOption

The data point menu options of a dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the data point menu options.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataPointTooltipOption

The data point tooltip options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the data point tool tip options.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataQAEnabledOption

Adds Q&A capabilities to a dashboard. If no topic is linked, Dashboard Q&A uses the data values that are rendered on the dashboard. End users can use Dashboard Q&A to ask for different slices of the data that they see on the dashboard. If a topic is linked, Topic Q&A is enabled.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the Data Q&A option on the dashboard.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataQnAConfigurations

The generative Q&A settings of an embedded Amazon QuickSight console.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The generative Q&A settings of an embedded Amazon QuickSight console.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSet

Dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

ColumnGroups

Groupings of columns that work together in certain Amazon QuickSight features. Currently, only geospatial hierarchy is supported.

Type: Array of ColumnGroup objects

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Required: No

ColumnLevelPermissionRules

A set of one or more definitions of a `ColumnLevelPermissionRule` .

Type: Array of ColumnLevelPermissionRule objects

Array Members: Minimum number of 1 item.

Required: No

ConsumedSpiceCapacityInBytes

The amount of SPICE capacity used by this dataset. This is 0 if the dataset isn't imported into SPICE.

Type: Long

Required: No

CreatedTime

The time that this dataset was created.

Type: Timestamp

Required: No

DataSetId

The ID of the dataset. Limited to 96 characters.

Type: String

Required: No

DatasetParameters

The parameters that are declared in a dataset.

Type: Array of DatasetParameter objects

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

DataSetUsageConfiguration

The usage configuration to apply to child datasets that reference this dataset as a source.

Type: DataSetUsageConfiguration object

Required: No

FieldFolders

The folder that contains fields and nested subfolders for your dataset.

Type: String to FieldFolder object map

Key Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

ImportMode

A value that indicates whether you want to import the data into SPICE.

Type: String

Valid Values: `SPICE | DIRECT_QUERY`

Required: No

LastUpdatedTime

The last time that this dataset was updated.

Type: Timestamp

Required: No

LogicalTableMap

Configures the combination and transformation of the data from the physical tables.

Type: String to LogicalTable object map

Map Entries: Maximum number of 64 items.

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[0-9a-zA-Z-]*`

Required: No

Name

A display name for the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

OutputColumns

The list of columns after all transforms. These columns are available in templates, analyses, and dashboards.

Type: Array of OutputColumn objects

Required: No

PerformanceConfiguration

The performance optimization configuration of a dataset.

Type: PerformanceConfiguration object

Required: No

PhysicalTableMap

Declares the physical tables that are available in the underlying data sources.

Type: String to PhysicalTable object map

Map Entries: Minimum number of 0 items. Maximum number of 32 items.

Key Length Constraints: Minimum length of 1. Maximum length of 64.

Key Pattern: `[0-9a-zA-Z-]*`

Required: No

RowLevelPermissionDataSet

The row-level security configuration for the dataset.

Type: RowLevelPermissionDataSet object

Required: No

RowLevelPermissionTagConfiguration

The element you can use to define tags for row-level security.

Type: RowLevelPermissionTagConfiguration object

Required: No

UseAs

The usage of the dataset.

Type: String

Valid Values: RLS_RULES

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetConfiguration

Dataset configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnGroupSchemaList

A structure containing the list of column group schemas.

Type: Array of ColumnGroupSchema objects

Array Members: Maximum number of 500 items.

Required: No

DataSetSchema

Dataset schema.

Type: DataSetSchema object

Required: No

Placeholder

Placeholder.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetIdentifierDeclaration

A data set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetArn

The Amazon Resource Name (ARN) of the data set.

Type: String

Required: Yes

Identifier

The identifier of the data set, typically the data set's name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DatasetMetadata

A structure that represents a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Required: Yes

CalculatedFields

The list of calculated field definitions.

Type: Array of TopicCalculatedField objects

Required: No

Columns

The list of column definitions.

Type: Array of TopicColumn objects

Required: No

DataAggregation

The definition of a data aggregation.

Type: DataAggregation object

Required: No

DatasetDescription

The description of the dataset.

Type: String

Length Constraints: Maximum length of 256.

Required: No

DatasetName

The name of the dataset.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Filters

The list of filter definitions.

Type: Array of TopicFilter objects

Required: No

NamedEntities

The list of named entities definitions.

Type: Array of TopicNamedEntity objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DatasetParameter

A parameter that is created in a dataset. The parameter can be a string, integer, decimal, or datetime data type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeDatasetParameter

A date time parameter that is created in the dataset.

Type: DateTimeDatasetParameter object

Required: No

DecimalDatasetParameter

A decimal parameter that is created in the dataset.

Type: DecimalDatasetParameter object

Required: No

IntegerDatasetParameter

An integer parameter that is created in the dataset.

Type: IntegerDatasetParameter object

Required: No

StringDatasetParameter

A string parameter that is created in the dataset.

Type: StringDatasetParameter object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetReference

Dataset reference.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetArn

Dataset Amazon Resource Name (ARN).

Type: String

Required: Yes

DataSetPlaceholder

Dataset placeholder.

Type: String

Pattern: `.*\S.*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetRefreshProperties

The refresh properties of a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FailureConfiguration

The failure configuration for a dataset.

Type: RefreshFailureConfiguration object

Required: No

RefreshConfiguration

The refresh configuration for a dataset.

Type: RefreshConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetSchema

Dataset schema.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnSchemaList

A structure containing the list of column schemas.

Type: Array of ColumnSchema objects

Array Members: Maximum number of 500 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetSearchFilter

A filter that you apply when searching for datasets.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the value that you want to use as a filter, for example, `"Name": "QUICKSIGHT_OWNER"`.

Valid values are defined as follows:

- `QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any datasets with that ARN listed as one of the dataset owners or viewers are returned. Implicit permissions from folders or groups are considered.
- `QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any datasets with that ARN listed as one of the owners of the dataset are returned. Implicit permissions from folders or groups are considered.
- `DIRECT_QUICKSIGHT_SOLE_OWNER`: Provide an ARN of a user or group, and any datasets with that ARN listed as the only owner of the dataset are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any datasets with that ARN listed as one of the owners if the dataset are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any datasets with that ARN listed as one of the owners or viewers of the dataset are returned. Implicit permissions from folders or groups are not considered.
- `DATASET_NAME`: Any datasets whose names have a substring match to this value will be returned.

Type: String

Valid Values: `QUICKSIGHT_VIEWER_OR_OWNER | QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_VIEWER_OR_OWNER | DIRECT_QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_SOLE_OWNER | DATASET_NAME`

Required: Yes

Operator

The comparison operator that you want to use as a filter, for example `"Operator": "StringEquals"`. Valid values are `"StringEquals"` and `"StringLike"`.

If you set the operator value to `"StringEquals"`, you need to provide an ownership related filter in the `"NAME"` field and the arn of the user or group whose datasets you want to search in the `"Value"` field. For example, `"Name":"QUICKSIGHT_OWNER", "Operator": "StringEquals", "Value": "arn:aws:quicksight:us-east- 1:1:user/default/UserName1"`.

If you set the value to `"StringLike"`, you need to provide the name of the datasets you are searching for. For example, `"Name":"DATASET_NAME", "Operator": "StringLike", "Value": "Test"`. The `"StringLike"` operator only supports the `NAME` value `DATASET_NAME`.

Type: String

Valid Values: `StringEquals | StringLike`

Required: Yes

Value

The value of the named item, in this case `QUICKSIGHT_OWNER`, that you want to use as a filter, for example, `"Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1"`.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetSummary

Dataset summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Required: No

ColumnLevelPermissionRulesApplied

A value that indicates if the dataset has column level permission configured.

Type: Boolean

Required: No

CreatedTime

The time that this dataset was created.

Type: Timestamp

Required: No

DataSetId

The ID of the dataset.

Type: String

Required: No

ImportMode

A value that indicates whether you want to import the data into SPICE.

Type: String

Valid Values: `SPICE | DIRECT_QUERY`

Required: No

LastUpdatedTime

The last time that this dataset was updated.

Type: Timestamp

Required: No

Name

A display name for the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

RowLevelPermissionDataSet

The row-level security configuration for the dataset.

Type: RowLevelPermissionDataSet object

Required: No

RowLevelPermissionTagConfigurationApplied

Whether or not the row level permission tags are applied.

Type: Boolean

Required: No

UseAs

The usage of the dataset.

Type: String

Valid Values: `RLS_RULES`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSetUsageConfiguration

The usage configuration to apply to child datasets that reference this dataset as a source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisableUseAsDirectQuerySource

An option that controls whether a child dataset of a direct query can use this dataset as a source.

Type: Boolean

Required: No

DisableUseAsImportedSource

An option that controls whether a child dataset that's stored in QuickSight can use this dataset as a source.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSource

The structure of a data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AlternateDataSourceParameters

A set of alternate data source parameters that you want to share for the credentials stored with this data source. The credentials are applied in tandem with the data source parameters when you copy a data source by using a create or update request. The API operation compares the `DataSourceParameters` structure that's in the request with the structures in the `AlternateDataSourceParameters` allow list. If the structures are an exact match, the request is allowed to use the credentials from this existing data source. If the `AlternateDataSourceParameters` list is null, the `Credentials` originally used with this `DataSourceParameters` are automatically allowed.

Type: Array of DataSourceParameters objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

Arn

The Amazon Resource Name (ARN) of the data source.

Type: String

Required: No

CreatedTime

The time that this data source was created.

Type: Timestamp

Required: No

DataSourceId

The ID of the data source. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Required: No

DataSourceParameters

The parameters that Amazon QuickSight uses to connect to your underlying source. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Type: DataSourceParameters object

Required: No

ErrorInfo

Error information from the last update or the creation of the data source.

Type: DataSourceErrorInfo object

Required: No

LastUpdatedTime

The last time that this data source was updated.

Type: Timestamp

Required: No

Name

A display name for the data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

SecretArn

The Amazon Resource Name (ARN) of the secret associated with the data source in Amazon Secrets Manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^arn:[-a-z0-9]*:secretsmanager:[-a-z0-9]*:[0-9]{12}:secret:.+`

Required: No

SslProperties

Secure Socket Layer (SSL) properties that apply when Amazon QuickSight connects to your underlying source.

Type: SslProperties object

Required: No

Status

The HTTP status of the request.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

Type

The type of the data source. This type indicates which database engine the data source connects to.

Type: String

Valid Values: `ADOBE_ANALYTICS | AMAZON_ELASTICSEARCH | ATHENA | AURORA | AURORA_POSTGRESQL | AWS_IOT_ANALYTICS | GITHUB | JIRA | MARIADB | MYSQL | ORACLE | POSTGRESQL | PRESTO | REDSHIFT | S3 | SALESFORCE | SERVICENOW | SNOWFLAKE | SPARK | SQLSERVER | TERADATA | TWITTER | TIMESTREAM | AMAZON_OPENSEARCH | EXASOL | DATABRICKS | STARBURST | TRINO | BIGQUERY`

Required: No

VpcConnectionProperties

The VPC connection information. You need to use this parameter only when you want Amazon QuickSight to use a VPC connection when connecting to your underlying source.

Type: VpcConnectionProperties object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceCredentials

Data source credentials. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CopySourceArn

The Amazon Resource Name (ARN) of a data source that has the credential pair that you want to use. When `CopySourceArn` is not null, the credential pair from the data source in the ARN is used as the credentials for the `DataSourceCredentials` structure.

Type: String

Pattern: `^arn:[-a-z0-9]*:quicksight:[-a-z0-9]*:[0-9]{12}:datasource/.+`

Required: No

CredentialPair

Credential pair. For more information, see `CredentialPair` .

Type: CredentialPair object

Required: No

SecretArn

The Amazon Resource Name (ARN) of the secret associated with the data source in Amazon Secrets Manager.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^arn:[-a-z0-9]*:secretsmanager:[-a-z0-9]*:[0-9]{12}:secret:.+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceErrorInfo

Error information for the data source creation or update.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

Error message.

Type: String

Required: No

Type

Error type.

Type: String

Valid Values: `ACCESS_DENIED | COPY_SOURCE_NOT_FOUND | TIMEOUT | ENGINE_VERSION_NOT_SUPPORTED | UNKNOWN_HOST | GENERIC_SQL_FAILURE | CONFLICT | UNKNOWN`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceParameters

The parameters that Amazon QuickSight uses to connect to your underlying data source. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AmazonElasticsearchParameters

The parameters for OpenSearch.

Type: AmazonElasticsearchParameters object

Required: No

AmazonOpenSearchParameters

The parameters for OpenSearch.

Type: AmazonOpenSearchParameters object

Required: No

AthenaParameters

The parameters for Amazon Athena.

Type: AthenaParameters object

Required: No

AuroraParameters

The parameters for Amazon Aurora MySQL.

Type: AuroraParameters object

Required: No

AuroraPostgreSqlParameters

The parameters for Amazon Aurora.

Type: AuroraPostgreSqlParameters object

Required: No

AwsIotAnalyticsParameters

The parameters for Amazon IoT Analytics.

Type: AwsIotAnalyticsParameters object

Required: No

BigQueryParameters

The parameters that are required to connect to a Google BigQuery data source.

Type: BigQueryParameters object

Required: No

DatabricksParameters

The parameters that are required to connect to a Databricks data source.

Type: DatabricksParameters object

Required: No

ExasolParameters

The parameters for Exasol.

Type: ExasolParameters object

Required: No

JiraParameters

The parameters for Jira.

Type: JiraParameters object

Required: No

MariaDbParameters

The parameters for MariaDB.

Type: MariaDbParameters object

Required: No

MySqlParameters

The parameters for MySQL.

Type: MySqlParameters object

Required: No

OracleParameters

The parameters for Oracle.

Type: OracleParameters object

Required: No

PostgreSqlParameters

The parameters for PostgreSQL.

Type: PostgreSqlParameters object

Required: No

PrestoParameters

The parameters for Presto.

Type: PrestoParameters object

Required: No

RdsParameters

The parameters for Amazon RDS.

Type: RdsParameters object

Required: No

RedshiftParameters

The parameters for Amazon Redshift.

Type: RedshiftParameters object

Required: No

S3Parameters

The parameters for S3.

Type: S3Parameters object

Required: No

ServiceNowParameters

The parameters for ServiceNow.

Type: ServiceNowParameters object

Required: No

SnowflakeParameters

The parameters for Snowflake.

Type: SnowflakeParameters object

Required: No

SparkParameters

The parameters for Spark.

Type: SparkParameters object

Required: No

SqlServerParameters

The parameters for SQL Server.

Type: SqlServerParameters object

Required: No

StarburstParameters

The parameters that are required to connect to a Starburst data source.

Type: StarburstParameters object

Required: No

TeradataParameters

The parameters for Teradata.

Type: TeradataParameters object

Required: No

TrinoParameters

The parameters that are required to connect to a Trino data source.

Type: TrinoParameters object

Required: No

TwitterParameters

The parameters for Twitter.

Type: TwitterParameters object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceSearchFilter

A filter that you apply when searching for data sources.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the value that you want to use as a filter, for example, `"Name": "DIRECT_QUICKSIGHT_OWNER"`.

Valid values are defined as follows:

- `DIRECT_QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any data sources with that ARN listed as one of the owners or viewers of the data sources are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any data sources with that ARN listed as one of the owners if the data source are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_SOLE_OWNER`: Provide an ARN of a user or group, and any data sources with that ARN listed as the only owner of the data source are returned. Implicit permissions from folders or groups are not considered.
- `DATASOURCE_NAME`: Any data sources whose names have a substring match to the provided value are returned.

Type: String

Valid Values: `DIRECT_QUICKSIGHT_VIEWER_OR_OWNER | DIRECT_QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_SOLE_OWNER | DATASOURCE_NAME`

Required: Yes

Operator

The comparison operator that you want to use as a filter, for example `"Operator": "StringEquals"`. Valid values are `"StringEquals"` and `"StringLike"`.

If you set the operator value to "StringEquals", you need to provide an ownership related filter in the "NAME" field and the arn of the user or group whose data sources you want to search in the "Value" field. For example, "Name":"DIRECT_QUICKSIGHT_OWNER", "Operator": "StringEquals", "Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1".

If you set the value to "StringLike", you need to provide the name of the data sources you are searching for. For example, "Name":"DATASOURCE_NAME", "Operator": "StringLike", "Value": "Test". The "StringLike" operator only supports the NAME value DATASOURCE_NAME.

Type: String

Valid Values: StringEquals | StringLike

Required: Yes

Value

The value of the named item, for example DIRECT_QUICKSIGHT_OWNER, that you want to use as a filter, for example, "Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1".

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataSourceSummary

A `DataSourceSummary` object that returns a summary of a data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The arn of the datasource.

Type: String

Required: No

CreatedTime

The date and time that the data source was created. This value is expressed in MM-DD-YYYY HH:MM:SS format.

Type: Timestamp

Required: No

DataSourceId

The unique ID of the data source.

Type: String

Required: No

LastUpdatedTime

The date and time the data source was last updated. This value is expressed in MM-DD-YYYY HH:MM:SS format.

Type: Timestamp

Required: No

Name

The name of the data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

Type

The type of the data source.

Type: String

Valid Values: `ADOBE_ANALYTICS | AMAZON_ELASTICSEARCH | ATHENA | AURORA | AURORA_POSTGRESQL | AWS_IOT_ANALYTICS | GITHUB | JIRA | MARIADB | MYSQL | ORACLE | POSTGRESQL | PRESTO | REDSHIFT | S3 | SALESFORCE | SERVICENOW | SNOWFLAKE | SPARK | SQLSERVER | TERADATA | TWITTER | TIMESTREAM | AMAZON_OPENSEARCH | EXASOL | DATABRICKS | STARBURST | TRINO | BIGQUERY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DataStoriesConfigurations

The data story settings of an embedded Amazon QuickSight console.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The data story settings of an embedded Amazon QuickSight console.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateAxisOptions

The options that determine how a date axis is displayed.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MissingDateVisibility

Determines whether or not missing dates are displayed.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateDimensionField

The dimension type field with date type columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `DateDimensionField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

DateGranularity

The date granularity of the `DateDimensionField`. Choose one of the following options:

- `YEAR`
- `QUARTER`
- `MONTH`
- `WEEK`
- `DAY`
- `HOUR`
- `MINUTE`
- `SECOND`

- `MILLISECOND`

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

FormatConfiguration

The format configuration of the field.

Type: DateTimeFormatConfiguration object

Required: No

HierarchyId

The custom hierarchy ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateMeasureField

The measure type field with date type columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `DateMeasureField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

AggregationFunction

The aggregation function of the measure field.

Type: String

Valid Values: `COUNT | DISTINCT_COUNT | MIN | MAX`

Required: No

FormatConfiguration

The format configuration of the field.

Type: DateTimeFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeDatasetParameter

A date time parameter for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Id

An identifier for the parameter that is created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-]+$`

Required: Yes

Name

The name of the date time parameter that is created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ValueType

The value type of the dataset parameter. Valid values are `single value` or `multi value`.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

A list of default values for a given date time parameter. This structure only accepts static values.

Type: DateTimeDatasetParameterDefaultValues object

Required: No

TimeGranularity

The time granularity of the date time parameter.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeDatasetParameterDefaultValues

The default values of a date time parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticValues

A list of static default values for a given date time parameter.

Type: Array of timestamps

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeDefaultValues

The default values of the `DateTimeParameterDeclaration`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DynamicValue

The dynamic value of the `DataTimeDefaultValues`. Different defaults are displayed according to users, groups, and values mapping.

Type: DynamicDefaultValue object

Required: No

RollingDate

The rolling date of the `DataTimeDefaultValues`. The date is determined from the dataset based on input expression.

Type: RollingDateConfiguration object

Required: No

StaticValues

The static values of the `DataTimeDefaultValues`.

Type: Array of timestamps

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeFormatConfiguration

Formatting configuration for `DateTime` fields.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeFormat

Determines the `DateTime` format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

NullValueFormatConfiguration

The options that determine the null value format configuration.

Type: NullValueFormatConfiguration object

Required: No

NumericFormatConfiguration

The formatting configuration for numeric `DateTime` fields.

Type: NumericFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeHierarchy

The option that determines the hierarchy of any `DateTime` fields.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

HierarchyId

The hierarchy ID of the `DateTime` hierarchy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

DrillDownFilters

The option that determines the drill down filters for the `DateTime` hierarchy.

Type: Array of DrillDownFilter objects

Array Members: Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeParameter

A date-time parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

A display name for the date-time parameter.

Type: String

Pattern: `.*\S.*`

Required: Yes

Values

The values for the date-time parameter.

Type: Array of timestamps

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeParameterDeclaration

A parameter declaration for the `DateTime` data type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the parameter that is being declared.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

DefaultValues

The default values of a parameter. If the parameter is a single-value parameter, a maximum of one default value can be provided.

Type: DateTimeDefaultValues object

Required: No

MappedDataSetParameters

A list of dataset parameters that are mapped to an analysis parameter.

Type: Array of MappedDataSetParameter objects

Array Members: Minimum number of 0 items. Maximum number of 150 items.

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

ValueWhenUnset

The configuration that defines the default value of a `DateTime` parameter when a value has not been set.

Type: DateTimeValueWhenUnsetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimePickerControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateIconVisibility

The date icon visibility of the `DateTimePickerControlDisplayOptions`.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

DateTimeFormat

Customize how dates are formatted in controls.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

HelperTextVisibility

The helper text visibility of the `DateTimePickerControlDisplayOptions`.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DateTimeValueWhenUnsetConfiguration

The configuration that defines the default value of a `DateTime` parameter when a value has not been set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomValue

A custom value that's used when the value of a parameter isn't set.

Type: Timestamp

Required: No

ValueWhenUnsetOption

The built-in options for default values. The value can be one of the following:

- `RECOMMENDED`: The recommended value.
- `NULL`: The `NULL` value.

Type: String

Valid Values: `RECOMMENDED_VALUE | NULL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalDatasetParameter

A decimal parameter for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Id

An identifier for the decimal parameter created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-]+$`

Required: Yes

Name

The name of the decimal parameter that is created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ValueType

The value type of the dataset parameter. Valid values are `single value` or `multi value`.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

A list of default values for a given decimal parameter. This structure only accepts static values.

Type: DecimalDatasetParameterDefaultValues object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalDatasetParameterDefaultValues

The default values of a decimal parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticValues

A list of static default values for a given decimal parameter.

Type: Array of doubles

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalDefaultValues

The default values of the `DecimalParameterDeclaration`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DynamicValue

The dynamic value of the `DecimalDefaultValues`. Different defaults are displayed according to users, groups, and values mapping.

Type: DynamicDefaultValue object

Required: No

StaticValues

The static values of the `DecimalDefaultValues`.

Type: Array of doubles

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalParameter

A decimal parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

A display name for the decimal parameter.

Type: String

Pattern: `.*\S.*`

Required: Yes

Values

The values for the decimal parameter.

Type: Array of doubles

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalParameterDeclaration

A parameter declaration for the `Decimal` data type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the parameter that is being declared.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ParameterValueType

The value type determines whether the parameter is a single-value or multi-value parameter.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

The default values of a parameter. If the parameter is a single-value parameter, a maximum of one default value can be provided.

Type: DecimalDefaultValues object

Required: No

MappedDataSetParameters

A list of dataset parameters that are mapped to an analysis parameter.

Type: Array of MappedDataSetParameter objects

Array Members: Minimum number of 0 items. Maximum number of 150 items.

Required: No

ValueWhenUnset

The configuration that defines the default value of a `Decimal` parameter when a value has not been set.

Type: DecimalValueWhenUnsetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalPlacesConfiguration

The option that determines the decimal places configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DecimalPlaces

The values of the decimal places.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 20.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DecimalValueWhenUnsetConfiguration

The configuration that defines the default value of a `Decimal` parameter when a value has not been set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomValue

A custom value that's used when the value of a parameter isn't set.

Type: Double

Required: No

ValueWhenUnsetOption

The built-in options for default values. The value can be one of the following:

- `RECOMMENDED`: The recommended value.
- `NULL`: The `NULL` value.

Type: String

Valid Values: `RECOMMENDED_VALUE | NULL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultDateTimePickerControlOptions

The default options that correspond to the filter control type of a `DateTimePicker`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CommitMode

The visibility configuration of the Apply button on a `DateTimePickerControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of a control.

Type: DateTimePickerControlDisplayOptions object

Required: No

Type

The date time picker type of the `DefaultDateTimePickerControlOptions`. Choose one of the following options:

- `SINGLE_VALUED`: The filter condition is a fixed date.
- `DATE_RANGE`: The filter condition is a date time range.

Type: String

Valid Values: `SINGLE_VALUED | DATE_RANGE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultFilterControlConfiguration

The default configuration for all dependent controls of the filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ControlOptions

The control option for the `DefaultFilterControlConfiguration`.

Type: DefaultFilterControlOptions object

Required: Yes

Title

The title of the `DefaultFilterControlConfiguration`. This title is shared by all controls that are tied to this filter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultFilterControlOptions

The option that corresponds to the control type of the filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DefaultDateTimePickerOptions

The default options that correspond to the filter control type of a `DateTimePicker`.

Type: DefaultDateTimePickerControlOptions object

Required: No

DefaultDropdownOptions

The default options that correspond to the `Dropdown` filter control type.

Type: DefaultFilterDropDownControlOptions object

Required: No

DefaultListOptions

The default options that correspond to the `List` filter control type.

Type: DefaultFilterListControlOptions object

Required: No

DefaultRelativeDateTimeOptions

The default options that correspond to the `RelativeDateTime` filter control type.

Type: DefaultRelativeDateTimeControlOptions object

Required: No

DefaultSliderOptions

The default options that correspond to the `Slider` filter control type.

Type: DefaultSliderControlOptions object

Required: No

DefaultTextAreaOptions

The default options that correspond to the `TextArea` filter control type.

Type: DefaultTextAreaControlOptions object

Required: No

DefaultTextFieldOptions

The default options that correspond to the `TextField` filter control type.

Type: DefaultTextFieldControlOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultFilterDropDownControlOptions

The default options that correspond to the `Dropdown` filter control type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CommitMode

The visibility configuration of the Apply button on a `FilterDropDownControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of a control.

Type: DropDownControlDisplayOptions object

Required: No

SelectableValues

A list of selectable values that are used in a control.

Type: FilterSelectableValues object

Required: No

Type

The type of the `FilterDropDownControl`. Choose one of the following options:

- `MULTI_SELECT`: The user can select multiple entries from a dropdown menu.
- `SINGLE_SELECT`: The user can select a single entry from a dropdown menu.

Type: String

Valid Values: `MULTI_SELECT | SINGLE_SELECT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultFilterListControlOptions

The default options that correspond to the `List` filter control type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisplayOptions

The display options of a control.

Type: ListControlDisplayOptions object

Required: No

SelectableValues

A list of selectable values that are used in a control.

Type: FilterSelectableValues object

Required: No

Type

The type of the `DefaultFilterListControlOptions`. Choose one of the following options:

- `MULTI_SELECT`: The user can select multiple entries from the list.
- `SINGLE_SELECT`: The user can select a single entry from the list.

Type: String

Valid Values: `MULTI_SELECT | SINGLE_SELECT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultFormatting

A structure that represents a default formatting definition.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisplayFormat

The display format. Valid values for this structure are `AUTO`, `PERCENT`, `CURRENCY`, `NUMBER`, `DATE`, and `STRING`.

Type: String

Valid Values: `AUTO | PERCENT | CURRENCY | NUMBER | DATE | STRING`

Required: No

DisplayFormatOptions

The additional options for display formatting.

Type: DisplayFormatOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultFreeFormLayoutConfiguration

The options that determine the default settings of a free-form layout configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CanvasSizeOptions

Determines the screen canvas size options for a free-form layout.

Type: FreeFormLayoutCanvasSizeOptions object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultGridLayoutConfiguration

The options that determine the default settings for a grid layout configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CanvasSizeOptions

Determines the screen canvas size options for a grid layout.

Type: GridLayoutCanvasSizeOptions object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultInteractiveLayoutConfiguration

The options that determine the default settings for interactive layout configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FreeForm

The options that determine the default settings of a free-form layout configuration.

Type: DefaultFreeFormLayoutConfiguration object

Required: No

Grid

The options that determine the default settings for a grid layout configuration.

Type: DefaultGridLayoutConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultNewSheetConfiguration

The configuration for default new sheet settings.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InteractiveLayoutConfiguration

The options that determine the default settings for interactive layout configuration.

Type: DefaultInteractiveLayoutConfiguration object

Required: No

PaginatedLayoutConfiguration

The options that determine the default settings for a paginated layout configuration.

Type: DefaultPaginatedLayoutConfiguration object

Required: No

SheetContentType

The option that determines the sheet content type.

Type: String

Valid Values: `PAGINATED | INTERACTIVE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultPaginatedLayoutConfiguration

The options that determine the default settings for a paginated layout configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SectionBased

The options that determine the default settings for a section-based layout configuration.

Type: DefaultSectionBasedLayoutConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultRelativeDateTimeControlOptions

The default options that correspond to the `RelativeDateTime` filter control type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CommitMode

The visibility configuration of the Apply button on a `RelativeDateTimeControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of a control.

Type: RelativeDateTimeControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultSectionBasedLayoutConfiguration

The options that determine the default settings for a section-based layout configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CanvasSizeOptions

Determines the screen canvas size options for a section-based layout.

Type: SectionBasedLayoutCanvasSizeOptions object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultSliderControlOptions

The default options that correspond to the `Slider` filter control type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MaximumValue

The larger value that is displayed at the right of the slider.

Type: Double

Required: Yes

MinimumValue

The smaller value that is displayed at the left of the slider.

Type: Double

Required: Yes

StepSize

The number of increments that the slider bar is divided into.

Type: Double

Required: Yes

DisplayOptions

The display options of a control.

Type: SliderControlDisplayOptions object

Required: No

Type

The type of the `DefaultSliderControlOptions`. Choose one of the following options:

- SINGLE_POINT: Filter against(equals) a single data point.
- RANGE: Filter data that is in a specified range.

Type: String

Valid Values: SINGLE_POINT | RANGE

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultTextAreaControlOptions

The default options that correspond to the `TextArea` filter control type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Delimiter

The delimiter that is used to separate the lines in text.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

DisplayOptions

The display options of a control.

Type: TextAreaControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DefaultTextFieldControlOptions

The default options that correspond to the `TextField` filter control type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisplayOptions

The display options of a control.

Type: TextFieldControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DestinationParameterValueConfiguration

The configuration of destination parameter values.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomValuesConfiguration

The configuration of custom values for destination parameter in `DestinationParameterValueConfiguration`.

Type: CustomValuesConfiguration object

Required: No

SelectAllValueOptions

The configuration that selects all options.

Type: String

Valid Values: `ALL_VALUES`

Required: No

SourceColumn

A column of a data set.

Type: ColumnIdentifier object

Required: No

SourceField

The source field ID of the destination parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

SourceParameterName

The source parameter name of the destination parameter.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DimensionField

The dimension type field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoricalDimensionField

The dimension type field with categorical type columns.

Type: CategoricalDimensionField object

Required: No

DateDimensionField

The dimension type field with date type columns.

Type: DateDimensionField object

Required: No

NumericalDimensionField

The dimension type field with numerical type columns.

Type: NumericalDimensionField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

DisplayFormatOptions

A structure that represents additional options for display formatting.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BlankCellFormat

Determines the blank cell format.

Type: String

Length Constraints: Maximum length of 256.

Required: No

CurrencySymbol

The currency symbol, such as USD.

Type: String

Length Constraints: Maximum length of 256.

Required: No

DateFormat

Determines the `DateTime` format.

Type: String

Length Constraints: Maximum length of 256.

Required: No

DecimalSeparator

Determines the decimal separator.

Type: String

Valid Values: `COMMA | DOT`

Required: No

FractionDigits

Determines the number of fraction digits.

Type: Integer

Required: No

GroupingSeparator

Determines the grouping separator.

Type: String

Length Constraints: Maximum length of 256.

Required: No

NegativeFormat

The negative format.

Type: NegativeFormat object

Required: No

Prefix

The prefix value for a display format.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Suffix

The suffix value for a display format.

Type: String

Length Constraints: Maximum length of 256.

Required: No

UnitScaler

The unit scaler. Valid values for this structure are: `NONE`, `AUTO`, `THOUSANDS`, `MILLIONS`, `BILLIONS`, and `TRILLIONS`.

Type: String

Valid Values: `NONE | AUTO | THOUSANDS | MILLIONS | BILLIONS | TRILLIONS | LAKHS | CRORES`

Required: No

UseBlankCellFormat

A Boolean value that indicates whether to use blank cell format.

Type: Boolean

Required: No

UseGrouping

A Boolean value that indicates whether to use grouping.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DonutCenterOptions

The label options of the label that is displayed in the center of a donut chart. This option isn't available for pie charts.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LabelVisibility

Determines the visibility of the label in a donut chart. In the Amazon QuickSight console, this option is called `'Show total'`.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DonutOptions

The options for configuring a donut chart or pie chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ArcOptions

The option for define the arc of the chart shape. Valid values are as follows:

- `WHOLE` - A pie chart
- `SMALL`- A small-sized donut chart
- `MEDIUM`- A medium-sized donut chart
- `LARGE`- A large-sized donut chart

Type: ArcOptions object

Required: No

DonutCenterOptions

The label options of the label that is displayed in the center of a donut chart. This option isn't available for pie charts.

Type: DonutCenterOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

DrillDownFilter

The drill down filter for the column hierarchies.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryFilter

The category type drill down filter. This filter is used for string type columns.

Type: CategoryDrillDownFilter object

Required: No

NumericEqualityFilter

The numeric equality type drill down filter. This filter is used for number type columns.

Type: NumericEqualityDrillDownFilter object

Required: No

TimeRangeFilter

The time range drill down filter. This filter is used for date time columns.

Type: TimeRangeDrillDownFilter object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

DropDownControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

SelectAllOptions

The configuration of the `Select all` options in a dropdown control.

Type: ListControlSelectAllOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

DynamicDefaultValue

Defines different defaults to the users or groups based on mapping.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DefaultValueColumn

The column that contains the default value of each user or group.

Type: ColumnIdentifier object

Required: Yes

GroupNameColumn

The column that contains the group name.

Type: ColumnIdentifier object

Required: No

UserNameColumn

The column that contains the username.

Type: ColumnIdentifier object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

EmptyVisual

An empty visual.

Empty visuals are used in layouts but have not been configured to show any data. A new visual created in the Amazon QuickSight console is considered an `EmptyVisual` until a visual type is selected.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifier

The data set that is used in the empty visual. Every visual requires a dataset to render.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Entity

An object, structure, or sub-structure of an analysis, template, or dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Path

The hierarchical path of the entity within the analysis, template, or dashboard definition tree.

Type: String

Pattern: `.*\S.*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ErrorInfo

Error information for the SPICE ingestion of a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

Error message.

Type: String

Required: No

Type

Error type.

Type: String

Valid Values: `FAILURE_TO_ASSUME_ROLE | INGESTION_SUPERSEDED | INGESTION_CANCELED | DATA_SET_DELETED | DATA_SET_NOT_SPICE | S3_UPLOADED_FILE_DELETED | S3_MANIFEST_ERROR | DATA_TOLERANCE_EXCEPTION | SPICE_TABLE_NOT_FOUND | DATA_SET_SIZE_LIMIT_EXCEEDED | ROW_SIZE_LIMIT_EXCEEDED | ACCOUNT_CAPACITY_LIMIT_EXCEEDED | CUSTOMER_ERROR | DATA_SOURCE_NOT_FOUND | IAM_ROLE_NOT_AVAILABLE | CONNECTION_FAILURE | SQL_TABLE_NOT_FOUND | PERMISSION_DENIED | SSL_CERTIFICATE_VALIDATION_FAILURE | OAUTH_TOKEN_FAILURE | SOURCE_API_LIMIT_EXCEEDED_FAILURE | PASSWORD_AUTHENTICATION_FAILURE | SQL_SCHEMA_MISMATCH_ERROR | INVALID_DATE_FORMAT | INVALID_DATAPREP_SYNTAX | SOURCE_RESOURCE_LIMIT_EXCEEDED | SQL_INVALID_PARAMETER_VALUE | QUERY_TIMEOUT | SQL_NUMERIC_OVERFLOW | UNRESOLVABLE_HOST | UNROUTABLE_HOST | SQL_EXCEPTION | S3_FILE_INACCESSIBLE | IOT_FILE_NOT_FOUND | IOT_DATA_SET_FILE_EMPTY | INVALID_DATA_SOURCE_CONFIG | DATA_SOURCE_AUTH_FAILED |`

```
DATA_SOURCE_CONNECTION_FAILED | FAILURE_TO_PROCESS_JSON_FILE
| INTERNAL_SERVICE_ERROR | REFRESH_SUPPRESSED_BY_EDIT |
PERMISSION_NOT_FOUND | ELASTICSEARCH_CURSOR_NOT_ENABLED |
CURSOR_NOT_ENABLED | DUPLICATE_COLUMN_NAMES_FOUND
```

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExasolParameters

The required parameters for connecting to an Exasol data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Host

The hostname or IP address of the Exasol data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

The port for the Exasol data source.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExcludePeriodConfiguration

The exclude period of `TimeRangeFilter` or `RelativeDatesFilter`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Amount

The amount or number of the exclude period.

Type: Integer

Required: Yes

Granularity

The granularity or unit (day, month, year) of the exclude period.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: Yes

Status

The status of the exclude period. Choose from the following options:

- `ENABLED`
- `DISABLED`

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExecutiveSummaryConfigurations

The executive summary settings of an embedded Amazon QuickSight console or dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The executive summary settings of an embedded Amazon QuickSight console or dashboard.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExplicitHierarchy

The option that determines the hierarchy of the fields that are built within a visual's field wells. These fields can't be duplicated to other visuals.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Columns

The list of columns that define the explicit hierarchy.

Type: Array of ColumnIdentifier objects

Array Members: Minimum number of 2 items. Maximum number of 10 items.

Required: Yes

HierarchyId

The hierarchy ID of the explicit hierarchy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

DrillDownFilters

The option that determines the drill down filters for the explicit hierarchy.

Type: Array of DrillDownFilter objects

Array Members: Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExportHiddenFieldsOption

Determines if hidden fields are included in an exported dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the export hidden fields options of a dashbaord.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExportToCSVOption

Export to .csv option.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

Availability status.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ExportWithHiddenFieldsOption

Determines whether or not hidden fields are visible on exported dashbaords.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the export with hidden fields options.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FailedKeyRegistrationEntry

An entry that appears when a `KeyRegistration` update to Amazon QuickSight fails.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

A message that provides information about why a `FailedKeyRegistrationEntry` error occurred.

Type: String

Pattern: `.*\S.*`

Required: Yes

SenderFault

A boolean that indicates whether a `FailedKeyRegistrationEntry` resulted from user error. If the value of this property is `True`, the error was caused by user error. If the value of this property is `False`, the error occurred on the backend. If your job continues fail and with a `False` `SenderFault` value, contact Amazon Web Services Support.

Type: Boolean

Required: Yes

StatusCode

The HTTP status of a `FailedKeyRegistrationEntry` error.

Type: Integer

Required: Yes

KeyArn

The ARN of the Amazon KMS key that failed to update.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FieldBasedTooltip

The setup for the detailed tooltip.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AggregationVisibility

The visibility of `Show aggregations`.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

TooltipFields

The fields configuration in the tooltip.

Type: Array of TooltipItem objects

Array Members: Maximum number of 100 items.

Required: No

TooltipTitleType

The type for the >tooltip title. Choose one of the following options:

- `NONE`: Doesn't use the primary value as the title.
- `PRIMARY_VALUE`: Uses primary value as the title.

Type: String

Valid Values: `NONE | PRIMARY_VALUE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FieldFolder

A FieldFolder element is a folder that contains fields and nested subfolders.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

columns

A folder has a list of columns. A column can only be in one folder.

Type: Array of strings

Array Members: Maximum number of 5000 items.

Required: No

description

The description for a field folder.

Type: String

Length Constraints: Maximum length of 500.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FieldLabelType

The field label type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

Indicates the field that is targeted by the field label.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Visibility

The visibility of the field label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FieldSeriesItem

The field series item configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisBinding

The axis that you are binding the field to.

Type: String

Valid Values: `PRIMARY_YAXIS | SECONDARY_YAXIS`

Required: Yes

FieldId

The field ID of the field for which you are setting the axis binding.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

Settings

The options that determine the presentation of line series associated to the field.

Type: LineChartSeriesSettings object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FieldSort

The sort configuration for a field in a field well.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Direction

The sort direction. Choose one of the following options:

- ASC: Ascending
- DESC: Descending

Type: String

Valid Values: `ASC | DESC`

Required: Yes

FieldId

The sort configuration target field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

FieldSortOptions

The field sort options in a chart configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnSort

The sort configuration for a column that is not used in a field well.

Type: ColumnSort object

Required: No

FieldSort

The sort configuration for a field in a field well.

Type: FieldSort object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FieldTooltipItem

The tooltip item for the fields.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The unique ID of the field that is targeted by the tooltip.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

Label

The label of the tooltip item.

Type: String

Required: No

TooltipTarget

Determines the target of the field tooltip item in a combo chart visual.

Type: String

Valid Values: `BOTH | BAR | LINE`

Required: No

Visibility

The visibility of the tooltip item.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapAggregatedFieldWells

The aggregated field well of the filled map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Geospatial

The aggregated location field well of the filled map. Values are grouped by location fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The aggregated color field well of a filled map. Values are aggregated based on location fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapConditionalFormatting

The conditional formatting of a `FilledMapVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConditionalFormattingOptions

Conditional formatting options of a `FilledMapVisual`.

Type: Array of FilledMapConditionalFormattingOption objects

Array Members: Maximum number of 200 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapConditionalFormattingOption

Conditional formatting options of a `FilledMapVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Shape

The conditional formatting that determines the shape of the filled map.

Type: FilledMapShapeConditionalFormatting object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapConfiguration

The configuration for a `FilledMapVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldWells

The field wells of the visual.

Type: FilledMapFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

MapStyleOptions

The map style options of the filled map visual.

Type: GeospatialMapStyleOptions object

Required: No

SortConfiguration

The sort configuration of a `FilledMapVisual`.

Type: FilledMapSortConfiguration object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

WindowOptions

The window options of the filled map visual.

Type: GeospatialWindowOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapFieldWells

The field wells of a `FilledMapVisual`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilledMapAggregatedFieldWells

The aggregated field well of the filled map.

Type: FilledMapAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapShapeConditionalFormatting

The conditional formatting that determines the shape of the filled map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID of the filled map shape.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

Format

The conditional formatting that determines the background color of a filled map's shape.

Type: ShapeConditionalFormat object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapSortConfiguration

The sort configuration of a `FilledMapVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategorySort

The sort configuration of the location fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilledMapVisual

A filled map.

For more information, see Creating filled maps in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: FilledMapConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

ConditionalFormatting

The conditional formatting of a `FilledMapVisual`.

Type: FilledMapConditionalFormatting object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Filter

With a `Filter`, you can remove portions of data from a particular visual or view.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryFilter

A `CategoryFilter` filters text values.

For more information, see Adding text filters in the *Amazon QuickSight User Guide*.

Type: CategoryFilter object

Required: No

NestedFilter

A `NestedFilter` filters data with a subset of data that is defined by the nested inner filter.

Type: NestedFilter object

Required: No

NumericEqualityFilter

A `NumericEqualityFilter` filters numeric values that equal or do not equal a given numeric value.

Type: NumericEqualityFilter object

Required: No

NumericRangeFilter

A `NumericRangeFilter` filters numeric values that are either inside or outside a given numeric range.

Type: NumericRangeFilter object

Required: No

RelativeDatesFilter

A `RelativeDatesFilter` filters date values that are relative to a given date.

Type: RelativeDatesFilter object

Required: No

TimeEqualityFilter

A `TimeEqualityFilter` filters date-time values that equal or do not equal a given date/time value.

Type: TimeEqualityFilter object

Required: No

TimeRangeFilter

A `TimeRangeFilter` filters date-time values that are either inside or outside a given date/time range.

Type: TimeRangeFilter object

Required: No

TopBottomFilter

A `TopBottomFilter` filters data to the top or bottom values for a given column.

Type: TopBottomFilter object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterAggMetrics

The definition for the `FilterAggMetrics`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Function

The function for the `FilterAggMetrics`.

Type: String

Valid Values: `SUM | MIN | MAX | COUNT | AVERAGE | DISTINCT_COUNT | STDEV | STDEVP | VAR | VARP | PERCENTILE | MEDIAN | PTD_SUM | PTD_MIN | PTD_MAX | PTD_COUNT | PTD_DISTINCT_COUNT | PTD_AVERAGE | COLUMN | CUSTOM`

Required: No

MetricOperand

The metric operand of the `FilterAggMetrics`.

Type: Identifier object

Required: No

SortDirection

The sort direction for `FilterAggMetrics`.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterControl

The control of a filter that is used to interact with a dashboard or an analysis.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CrossSheet

A control from a filter that is scoped across more than one sheet. This represents your filter control on a sheet

Type: FilterCrossSheetControl object

Required: No

DateTimePicker

A control from a date filter that is used to specify date and time.

Type: FilterDateTimePickerControl object

Required: No

Dropdown

A control to display a dropdown list with buttons that are used to select a single value.

Type: FilterDropDownControl object

Required: No

List

A control to display a list of buttons or boxes. This is used to select either a single value or multiple values.

Type: FilterListControl object

Required: No

RelativeDateTime

A control from a date filter that is used to specify the relative date.

Type: FilterRelativeDateTimeControl object

Required: No

Slider

A control to display a horizontal toggle bar. This is used to change a value by sliding the toggle.

Type: FilterSliderControl object

Required: No

TextArea

A control to display a text box that is used to enter multiple entries.

Type: FilterTextAreaControl object

Required: No

TextField

A control to display a text box that is used to enter a single entry.

Type: FilterTextFieldControl object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterCrossSheetControl

A control from a filter that is scoped across more than one sheet. This represents your filter control on a sheet

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterCrossSheetControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterCrossSheetControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

CascadingControlConfiguration

The values that are displayed in a control can be configured to only show values that are valid based on what's selected in other controls.

Type: CascadingControlConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterDateTimePickerControl

A control from a date filter that is used to specify date and time.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterDateTimePickerControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterDateTimePickerControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Title

The title of the `FilterDateTimePickerControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

CommitMode

The visibility configurationof the Apply button on a `DateTimePickerControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of a control.

Type: DateTimePickerControlDisplayOptions object

Required: No

Type

The type of the `FilterDropDownControl`. Choose one of the following options:

- `MULTI_SELECT`: The user can select multiple entries from a dropdown menu.
- `SINGLE_SELECT`: The user can select a single entry from a dropdown menu.

Type: String

Valid Values: `SINGLE_VALUED | DATE_RANGE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterDropDownControl

A control to display a dropdown list with buttons that are used to select a single value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterDropDownControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterDropDownControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Title

The title of the `FilterDropDownControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

CascadingControlConfiguration

The values that are displayed in a control can be configured to only show values that are valid based on what's selected in other controls.

Type: CascadingControlConfiguration object

Required: No

CommitMode

The visibility configuration of the Apply button on a `FilterDropDownControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of the `FilterDropDownControl`.

Type: DropDownControlDisplayOptions object

Required: No

SelectableValues

A list of selectable values that are used in a control.

Type: FilterSelectableValues object

Required: No

Type

The type of the `FilterDropDownControl`. Choose one of the following options:

- `MULTI_SELECT`: The user can select multiple entries from a dropdown menu.
- `SINGLE_SELECT`: The user can select a single entry from a dropdown menu.

Type: String

Valid Values: `MULTI_SELECT | SINGLE_SELECT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterGroup

A grouping of individual filters. Filter groups are applied to the same group of visuals.

For more information, see Adding filter conditions (group filters) with AND and OR operators in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CrossDataset

The filter new feature which can apply filter group to all data sets. Choose one of the following options:

- `ALL_DATASETS`
- `SINGLE_DATASET`

Type: String

Valid Values: `ALL_DATASETS | SINGLE_DATASET`

Required: Yes

FilterGroupId

The value that uniquely identifies a `FilterGroup` within a dashboard, template, or analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Filters

The list of filters that are present in a `FilterGroup`.

Type: Array of Filter objects

Array Members: Maximum number of 20 items.

Required: Yes

ScopeConfiguration

The configuration that specifies what scope to apply to a `FilterGroup`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: FilterScopeConfiguration object

Required: Yes

Status

The status of the `FilterGroup`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterListConfiguration

A list of filter configurations.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MatchOperator

The match operator that is used to determine if a filter should be applied.

Type: String

Valid Values: `EQUALS | DOES_NOT_EQUAL | CONTAINS | DOES_NOT_CONTAIN | STARTS_WITH | ENDS_WITH`

Required: Yes

CategoryValues

The list of category values for the filter.

Type: Array of strings

Array Members: Maximum number of 100000 items.

Length Constraints: Maximum length of 512.

Required: No

NullOption

This option determines how null values should be treated when filtering data.

- `ALL_VALUES`: Include null values in filtered results.
- `NULLS_ONLY`: Only include null values in filtered results.
- `NON_NULLS_ONLY`: Exclude null values from filtered results.

Type: String

Valid Values: `ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY`

Required: No

SelectAllOptions

Select all of the values. Null is not the assigned value of select all.

- `FILTER_ALL_VALUES`

Type: String

Valid Values: `FILTER_ALL_VALUES`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterListControl

A control to display a list of buttons or boxes. This is used to select either a single value or multiple values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterListControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterListControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Title

The title of the `FilterListControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

CascadingControlConfiguration

The values that are displayed in a control can be configured to only show values that are valid based on what's selected in other controls.

Type: CascadingControlConfiguration object

Required: No

DisplayOptions

The display options of a control.

Type: ListControlDisplayOptions object

Required: No

SelectableValues

A list of selectable values that are used in a control.

Type: FilterSelectableValues object

Required: No

Type

The type of the `FilterListControl`. Choose one of the following options:

- `MULTI_SELECT`: The user can select multiple entries from the list.
- `SINGLE_SELECT`: The user can select a single entry from the list.

Type: String

Valid Values: `MULTI_SELECT | SINGLE_SELECT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterOperation

A transform operation that filters rows based on a condition.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConditionExpression

An expression that must evaluate to a Boolean value. Rows for which the expression evaluates to true are kept in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterOperationSelectedFieldsConfiguration

The configuration of selected fields in the`CustomActionFilterOperation`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SelectedColumns

The selected columns of a dataset.

Type: Array of ColumnIdentifier objects

Array Members: Maximum number of 10 items.

Required: No

SelectedFieldOptions

A structure that contains the options that choose which fields are filtered in the `CustomActionFilterOperation`.

Valid values are defined as follows:

- `ALL_FIELDS`: Applies the filter operation to all fields.

Type: String

Valid Values: `ALL_FIELDS`

Required: No

SelectedFields

Chooses the fields that are filtered in `CustomActionFilterOperation`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterOperationTargetVisualsConfiguration

The configuration of target visuals that you want to be filtered.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SameSheetTargetVisualConfiguration

The configuration of the same-sheet target visuals that you want to be filtered.

Type: SameSheetTargetVisualConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterRelativeDateTimeControl

A control from a date filter that is used to specify the relative date.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Title

The title of the `FilterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

CommitMode

The visibility configuration of the Apply button on a `FilterRelativeDateTimeControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of a control.

Type: RelativeDateTimeControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterScopeConfiguration

The scope configuration for a `FilterGroup`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AllSheets

The configuration that applies a filter to all sheets. When you choose `AllSheets` as the value for a `FilterScopeConfiguration`, this filter is applied to all visuals of all sheets in an Analysis, Dashboard, or Template. The `AllSheetsFilterScopeConfiguration` is chosen.

Type: AllSheetsFilterScopeConfiguration object

Required: No

SelectedSheets

The configuration for applying a filter to specific sheets.

Type: SelectedSheetsFilterScopeConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterSelectableValues

A list of selectable values that are used in a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Values

The values that are used in the `FilterSelectableValues`.

Type: Array of strings

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterSliderControl

A control to display a horizontal toggle bar. This is used to change a value by sliding the toggle.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterSliderControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

MaximumValue

The larger value that is displayed at the right of the slider.

Type: Double

Required: Yes

MinimumValue

The smaller value that is displayed at the left of the slider.

Type: Double

Required: Yes

SourceFilterId

The source filter ID of the `FilterSliderControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

StepSize

The number of increments that the slider bar is divided into.

Type: Double

Required: Yes

Title

The title of the `FilterSliderControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DisplayOptions

The display options of a control.

Type: SliderControlDisplayOptions object

Required: No

Type

The type of the `FilterSliderControl`. Choose one of the following options:

- `SINGLE_POINT`: Filter against(equals) a single data point.
- `RANGE`: Filter data that is in a specified range.

Type: String

Valid Values: `SINGLE_POINT | RANGE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterTextAreaControl

A control to display a text box that is used to enter multiple entries.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Title

The title of the `FilterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

Delimiter

The delimiter that is used to separate the lines in text.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

DisplayOptions

The display options of a control.

Type: TextAreaControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FilterTextFieldControl

A control to display a text box that is used to enter a single entry.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterControlId

The ID of the `FilterTextFieldControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceFilterId

The source filter ID of the `FilterTextFieldControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Title

The title of the `FilterTextFieldControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DisplayOptions

The display options of a control.

Type: TextFieldControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Folder

A folder in Amazon QuickSight.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) for the folder.

Type: String

Required: No

CreatedTime

The time that the folder was created.

Type: Timestamp

Required: No

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: No

FolderPath

An array of ancestor ARN strings for the folder.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: No

FolderType

The type of folder it is.

Type: String

Valid Values: `SHARED | RESTRICTED`

Required: No

LastUpdatedTime

The time that the folder was last updated.

Type: Timestamp

Required: No

Name

A display name for the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

SharingModel

The sharing scope of the folder.

Type: String

Valid Values: `ACCOUNT | NAMESPACE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FolderMember

An asset in a Amazon QuickSight folder, such as a dashboard, analysis, or dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MemberId

The ID of an asset in the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: No

MemberType

The type of asset that it is.

Type: String

Valid Values: `DASHBOARD | ANALYSIS | DATASET | DATASOURCE | TOPIC`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FolderSearchFilter

A filter to use to search an Amazon QuickSight folder.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of a value that you want to use in the filter. For example, `"Name" : "QUICKSIGHT_OWNER"`.

Valid values are defined as follows:

- `QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any folders with that ARN listed as one of the folder's owners or viewers are returned. Implicit permissions from folders or groups are considered.
- `QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any folders with that ARN listed as one of the owners of the folders are returned. Implicit permissions from folders or groups are considered.
- `DIRECT_QUICKSIGHT_SOLE_OWNER`: Provide an ARN of a user or group, and any folders with that ARN listed as the only owner of the folder are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_OWNER`: Provide an ARN of a user or group, and any folders with that ARN listed as one of the owners of the folders are returned. Implicit permissions from folders or groups are not considered.
- `DIRECT_QUICKSIGHT_VIEWER_OR_OWNER`: Provide an ARN of a user or group, and any folders with that ARN listed as one of the owners or viewers of the folders are returned. Implicit permissions from folders or groups are not considered.
- `FOLDER_NAME`: Any folders whose names have a substring match to this value will be returned.
- `PARENT_FOLDER_ARN`: Provide an ARN of a folder, and any folders that are directly under that parent folder are returned. If you choose to use this option and leave the value blank, all root-level folders in the account are returned.

Type: String

Valid Values: `PARENT_FOLDER_ARN | DIRECT_QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_SOLE_OWNER | DIRECT_QUICKSIGHT_VIEWER_OR_OWNER | QUICKSIGHT_OWNER | QUICKSIGHT_VIEWER_OR_OWNER | FOLDER_NAME`

Required: No

Operator

The comparison operator that you want to use as a filter, for example `"Operator": "StringEquals"`. Valid values are `"StringEquals"` and `"StringLike"`.

If you set the operator value to `"StringEquals"`, you need to provide an ownership related filter in the `"NAME"` field and the arn of the user or group whose folders you want to search in the `"Value"` field. For example, `"Name":"DIRECT_QUICKSIGHT_OWNER", "Operator": "StringEquals", "Value": "arn:aws:quicksight:us-east-1:1:user/default/UserName1"`.

If you set the value to `"StringLike"`, you need to provide the name of the folders you are searching for. For example, `"Name":"FOLDER_NAME", "Operator": "StringLike", "Value": "Test"`. The `"StringLike"` operator only supports the `NAME` value `FOLDER_NAME`.

Type: String

Valid Values: `StringEquals | StringLike`

Required: No

Value

The value of the named item (in this example, `PARENT_FOLDER_ARN`), that you want to use as a filter. For example, `"Value": "arn:aws:quicksight:us-east-1:1:folder/folderId"`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FolderSummary

A summary of information about an existing Amazon QuickSight folder.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the folder.

Type: String

Required: No

CreatedTime

The time that the folder was created.

Type: Timestamp

Required: No

FolderId

The ID of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: No

FolderType

The type of folder.

Type: String

Valid Values: `SHARED | RESTRICTED`

Required: No

LastUpdatedTime

The time that the folder was last updated.

Type: Timestamp

Required: No

Name

The display name of the folder.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 200.

Required: No

SharingModel

The sharing scope of the folder.

Type: String

Valid Values: `ACCOUNT | NAMESPACE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Font

Determines the font settings.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FontFamily

Determines the font family settings.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FontConfiguration

Configures the display properties of the given text.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FontColor

Determines the color of the text.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

FontDecoration

Determines the appearance of decorative lines on the text.

Type: String

Valid Values: `UNDERLINE | NONE`

Required: No

FontFamily

The font family that you want to use.

Type: String

Required: No

FontSize

The option that determines the text display size.

Type: FontSize object

Required: No

FontStyle

Determines the text display face that is inherited by the given font family.

Type: String

Valid Values: `NORMAL | ITALIC`

Required: No

FontWeight

The option that determines the text display weight, or boldness.

Type: FontWeight object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FontSize

The option that determines the text display size.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Absolute

The font size that you want to use in px.

Type: String

Required: No

Relative

The lexical name for the text size, proportional to its surrounding context.

Type: String

Valid Values: `EXTRA_SMALL | SMALL | MEDIUM | LARGE | EXTRA_LARGE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FontWeight

The option that determines the text display weight, or boldness.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The lexical name for the level of boldness of the text display.

Type: String

Valid Values: `NORMAL` | `BOLD`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ForecastComputation

The forecast computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

CustomSeasonalityValue

The custom seasonality value setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 180.

Required: No

LowerBoundary

The lower boundary setup of a forecast computation.

Type: Double

Required: No

Name

The name of a computation.

Type: String

Required: No

PeriodsBackward

The periods backward setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

PeriodsForward

The periods forward setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

PredictionInterval

The prediction interval setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 50. Maximum value of 95.

Required: No

Seasonality

The seasonality setup of a forecast computation. Choose one of the following options:

- `AUTOMATIC`
- `CUSTOM`: Checks the custom seasonality value.

Type: String

Valid Values: `AUTOMATIC | CUSTOM`

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

UpperBoundary

The upper boundary setup of a forecast computation.

Type: Double

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ForecastConfiguration

The forecast configuration that is used in a line chart's display properties.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ForecastProperties

The forecast properties setup of a forecast in the line chart.

Type: TimeBasedForecastProperties object

Required: No

Scenario

The forecast scenario of a forecast in the line chart.

Type: ForecastScenario object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ForecastScenario

The forecast scenario of a forecast in the line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

WhatIfPointScenario

The what-if analysis forecast setup with the target date.

Type: WhatIfPointScenario object

Required: No

WhatIfRangeScenario

The what-if analysis forecast setup with the date range.

Type: WhatIfRangeScenario object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FormatConfiguration

The formatting configuration for all types of field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeFormatConfiguration

Formatting configuration for `DateTime` fields.

Type: DateTimeFormatConfiguration object

Required: No

NumberFormatConfiguration

Formatting configuration for number fields.

Type: NumberFormatConfiguration object

Required: No

StringFormatConfiguration

Formatting configuration for string fields.

Type: StringFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

FreeFormLayoutCanvasSizeOptions

Configuration options for the canvas of a free-form layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ScreenCanvasSizeOptions

The options that determine the sizing of the canvas used in a free-form layout.

Type: FreeFormLayoutScreenCanvasSizeOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FreeFormLayoutConfiguration

The configuration of a free-form layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Elements

The elements that are included in a free-form layout.

Type: Array of FreeFormLayoutElement objects

Array Members: Maximum number of 430 items.

Required: Yes

CanvasSizeOptions

Configuration options for the canvas of a free-form layout.

Type: FreeFormLayoutCanvasSizeOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FreeFormLayoutElement

An element within a free-form layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ElementId

A unique identifier for an element within a free-form layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ElementType

The type of element.

Type: String

Valid Values: `VISUAL | FILTER_CONTROL | PARAMETER_CONTROL | TEXT_BOX | IMAGE`

Required: Yes

Height

The height of an element within a free-form layout.

Type: String

Required: Yes

Width

The width of an element within a free-form layout.

Type: String

Required: Yes

XAxisLocation

The x-axis coordinate of the element.

Type: String

Required: Yes

YAxisLocation

The y-axis coordinate of the element.

Type: String

Required: Yes

BackgroundStyle

The background style configuration of a free-form layout element.

Type: FreeFormLayoutElementBackgroundStyle object

Required: No

BorderStyle

The border style configuration of a free-form layout element.

Type: FreeFormLayoutElementBorderStyle object

Required: No

LoadingAnimation

The loading animation configuration of a free-form layout element.

Type: LoadingAnimation object

Required: No

RenderingRules

The rendering rules that determine when an element should be displayed within a free-form layout.

Type: Array of SheetElementRenderingRule objects

Array Members: Maximum number of 10000 items.

Required: No

SelectedBorderStyle

The border style configuration of a free-form layout element. This border style is used when the element is selected.

Type: FreeFormLayoutElementBorderStyle object

Required: No

Visibility

The visibility of an element within a free-form layout.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FreeFormLayoutElementBackgroundStyle

The background style configuration of a free-form layout element.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The background color of a free-form layout element.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

Visibility

The background visibility of a free-form layout element.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FreeFormLayoutElementBorderStyle

The background style configuration of a free-form layout element.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The border color of a free-form layout element.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

Visibility

The border visibility of a free-form layout element.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FreeFormLayoutScreenCanvasSizeOptions

The options that determine the sizing of the canvas used in a free-form layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

OptimizedViewPortWidth

The width that the view port will be optimized for when the layout renders.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FreeFormSectionLayoutConfiguration

The free-form layout configuration of a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Elements

The elements that are included in the free-form layout.

Type: Array of FreeFormLayoutElement objects

Array Members: Maximum number of 430 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FunnelChartAggregatedFieldWells

The field well configuration of a `FunnelChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The category field wells of a funnel chart. Values are grouped by category fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The value field wells of a funnel chart. Values are aggregated based on categories.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FunnelChartConfiguration

The configuration of a `FunnelChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryLabelOptions

The label options of the categories that are displayed in a `FunnelChartVisual`.

Type: ChartAxisLabelOptions object

Required: No

DataLabelOptions

The options that determine the presentation of the data labels.

Type: FunnelChartDataLabelOptions object

Required: No

FieldWells

The field well configuration of a `FunnelChartVisual`.

Type: FunnelChartFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

SortConfiguration

The sort configuration of a `FunnelChartVisual`.

Type: FunnelChartSortConfiguration object

Required: No

Tooltip

The tooltip configuration of a `FunnelChartVisual`.

Type: TooltipOptions object

Required: No

ValueLabelOptions

The label options for the values that are displayed in a `FunnelChartVisual`.

Type: ChartAxisLabelOptions object

Required: No

VisualPalette

The visual palette configuration of a `FunnelChartVisual`.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FunnelChartDataLabelOptions

The options that determine the presentation of the data labels.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryLabelVisibility

The visibility of the category labels within the data labels.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

LabelColor

The color of the data label text.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

LabelFontConfiguration

The font configuration for the data labels.

Only the `FontSize` attribute of the font configuration is used for data labels.

Type: FontConfiguration object

Required: No

MeasureDataLabelStyle

Determines the style of the metric labels.

Type: String

Valid Values: `VALUE_ONLY | PERCENTAGE_BY_FIRST_STAGE | PERCENTAGE_BY_PREVIOUS_STAGE | VALUE_AND_PERCENTAGE_BY_FIRST_STAGE | VALUE_AND_PERCENTAGE_BY_PREVIOUS_STAGE`

Required: No

MeasureLabelVisibility

The visibility of the measure labels within the data labels.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Position

Determines the positioning of the data label relative to a section of the funnel.

Type: String

Valid Values: `INSIDE | OUTSIDE | LEFT | TOP | BOTTOM | RIGHT`

Required: No

Visibility

The visibility option that determines if data labels are displayed.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FunnelChartFieldWells

The field well configuration of a `FunnelChartVisual`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FunnelChartAggregatedFieldWells

The field well configuration of a `FunnelChartVisual`.

Type: FunnelChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FunnelChartSortConfiguration

The sort configuration of a `FunnelChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimit

The limit on the number of categories displayed.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of the category fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

FunnelChartVisual

A funnel chart.

For more information, see Using funnel charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a `FunnelChartVisual`.

Type: FunnelChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartArcConditionalFormatting

The options that determine the presentation of the arc of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ForegroundColor

The conditional formatting of the arc foreground color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartColorConfiguration

The color configuration of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

The background color configuration of a `GaugeChartVisual`.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

ForegroundColor

The foreground color configuration of a `GaugeChartVisual`.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartConditionalFormatting

The conditional formatting of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConditionalFormattingOptions

Conditional formatting options of a `GaugeChartVisual`.

Type: Array of GaugeChartConditionalFormattingOption objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartConditionalFormattingOption

Conditional formatting options of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arc

The options that determine the presentation of the arc of a `GaugeChartVisual`.

Type: GaugeChartArcConditionalFormatting object

Required: No

PrimaryValue

The conditional formatting for the primary value of a `GaugeChartVisual`.

Type: GaugeChartPrimaryValueConditionalFormatting object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartConfiguration

The configuration of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColorConfiguration

The color configuration of a `GaugeChartVisual`.

Type: GaugeChartColorConfiguration object

Required: No

DataLabels

The data label configuration of a `GaugeChartVisual`.

Type: DataLabelOptions object

Required: No

FieldWells

The field well configuration of a `GaugeChartVisual`.

Type: GaugeChartFieldWells object

Required: No

GaugeChartOptions

The options that determine the presentation of the `GaugeChartVisual`.

Type: GaugeChartOptions object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

TooltipOptions

The tooltip configuration of a `GaugeChartVisual`.

Type: TooltipOptions object

Required: No

VisualPalette

The visual palette configuration of a `GaugeChartVisual`.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartFieldWells

The field well configuration of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TargetValues

The target value field wells of a `GaugeChartVisual`.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

Values

The value field wells of a `GaugeChartVisual`.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartOptions

The options that determine the presentation of the `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arc

The arc configuration of a `GaugeChartVisual`.

Type: ArcConfiguration object

Required: No

ArcAxis

The arc axis configuration of a `GaugeChartVisual`.

Type: ArcAxisConfiguration object

Required: No

Comparison

The comparison configuration of a `GaugeChartVisual`.

Type: ComparisonConfiguration object

Required: No

PrimaryValueDisplayType

The options that determine the primary value display type.

Type: String

Valid Values: `HIDDEN | COMPARISON | ACTUAL`

Required: No

PrimaryValueFontConfiguration

The options that determine the primary value font configuration.

Type: FontConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartPrimaryValueConditionalFormatting

The conditional formatting for the primary value of a `GaugeChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Icon

The conditional formatting of the primary value icon.

Type: ConditionalFormattingIcon object

Required: No

TextColor

The conditional formatting of the primary value text color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GaugeChartVisual

A gauge chart.

For more information, see Using gauge charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a `GaugeChartVisual`.

Type: GaugeChartConfiguration object

Required: No

ConditionalFormatting

The conditional formatting of a `GaugeChartVisual`.

Type: GaugeChartConditionalFormatting object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeneratedAnswerResult

The QA result that is made from generated answer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnswerId

The ID of the answer.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: No

AnswerStatus

The answer status of the generated answer.

Type: String

Valid Values: `ANSWER_GENERATED | ANSWER_RETRIEVED | ANSWER_DOWNGRADE`

Required: No

QuestionId

The ID of the question.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9-]+$`

Required: No

QuestionText

The question text.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

QuestionUrl

The URL of the question.

Type: String

Required: No

Restatement

The restatement for the answer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

TopicId

The ID of the topic.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: No

TopicName

The name of the topic.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GenerativeAuthoringConfigurations

The generative BI authoring settings of an embedded Amazon QuickSight console.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The generative BI authoring settings of an embedded Amazon QuickSight console.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialCategoricalColor

The definition for a categorical color.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryDataColors

A list of categorical data colors for each category.

Type: Array of GeospatialCategoricalDataColor objects

Required: Yes

DefaultOpacity

The default opacity of a categorical color.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

NullDataSettings

The null data visualization settings.

Type: GeospatialNullDataSettings object

Required: No

NullDataVisibility

The state of visibility for null data.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialCategoricalDataColor

The categorical data color for a single category.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color and opacity values for the category data color.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: Yes

DataValue

The data value for the category data color.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialCircleRadius

The geospatial radius for a circle.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Radius

The positive value for the radius of a circle.

Type: Double

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialCircleSymbolStyle

The properties for a circle symbol style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CircleRadius

The radius of the circle.

Type: GeospatialCircleRadius object

Required: No

FillColor

The color and opacity values for the fill color.

Type: GeospatialColor object

Required: No

StrokeColor

The color and opacity values for the stroke color.

Type: GeospatialColor object

Required: No

StrokeWidth

The width of the stroke (border).

Type: GeospatialLineWidth object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialColor

The visualization properties for solid, gradient, and categorical colors.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Categorical

The visualization properties for the categorical color.

Type: GeospatialCategoricalColor object

Required: No

Gradient

The visualization properties for the gradient color.

Type: GeospatialGradientColor object

Required: No

Solid

The visualization properties for the solid color.

Type: GeospatialSolidColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

GeoSpatialColumnGroup

Geospatial column group that denotes a hierarchy.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Columns

Columns in this hierarchy.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Name

A display name for the hierarchy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

CountryCode

Country code.

Type: String

Valid Values: US

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialCoordinateBounds

The bound options (north, south, west, east) of the geospatial window options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

East

The longitude of the east bound of the geospatial coordinate bounds.

Type: Double

Valid Range: Minimum value of -1800. Maximum value of 1800.

Required: Yes

North

The latitude of the north bound of the geospatial coordinate bounds.

Type: Double

Valid Range: Minimum value of -90. Maximum value of 90.

Required: Yes

South

The latitude of the south bound of the geospatial coordinate bounds.

Type: Double

Valid Range: Minimum value of -90. Maximum value of 90.

Required: Yes

West

The longitude of the west bound of the geospatial coordinate bounds.

Type: Double

Valid Range: Minimum value of -1800. Maximum value of 1800.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialDataSourceItem

The data source properties for the geospatial data.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticFileDataSource

The static file data source properties for the geospatial data.

Type: GeospatialStaticFileSource object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialGradientColor

The definition for a gradient color.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StepColors

A list of gradient step colors for the gradient.

Type: Array of GeospatialGradientStepColor objects

Array Members: Minimum number of 2 items. Maximum number of 3 items.

Required: Yes

DefaultOpacity

The default opacity for the gradient color.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 1.

Required: No

NullDataSettings

The null data visualization settings.

Type: GeospatialNullDataSettings object

Required: No

NullDataVisibility

The state of visibility for null data.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialGradientStepColor

The gradient step color for a single step.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color and opacity values for the gradient step color.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: Yes

DataValue

The data value for the gradient step color.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialHeatmapColorScale

The color scale specification for the heatmap point style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Colors

The list of colors to be used in heatmap point style.

Type: Array of GeospatialHeatmapDataColor objects

Array Members: Fixed number of 2 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialHeatmapConfiguration

The heatmap configuration of the geospatial point style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

HeatmapColor

The color scale specification for the heatmap point style.

Type: GeospatialHeatmapColorScale object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialHeatmapDataColor

The color to be used in the heatmap point style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The hex color to be used in the heatmap point style.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLayerColorField

The color field that defines a gradient or categorical style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColorDimensionsFields

A list of color dimension fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

ColorValuesFields

A list of color measure fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLayerDefinition

The definition properties for a geospatial layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LineLayer

The definition for a line layer.

Type: GeospatialLineLayer object

Required: No

PointLayer

The definition for a point layer.

Type: GeospatialPointLayer object

Required: No

PolygonLayer

The definition for a polygon layer.

Type: GeospatialPolygonLayer object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

GeospatialLayerItem

The properties for a single geospatial layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LayerId

The ID of the layer.

Type: String

Required: Yes

Actions

A list of custom actions for a layer.

Type: Array of LayerCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

DataSource

The data source for the layer.

Type: GeospatialDataSourceItem object

Required: No

JoinDefinition

The join definition properties for a layer.

Type: GeospatialLayerJoinDefinition object

Required: No

Label

The label that is displayed for the layer.

Type: String

Required: No

LayerDefinition

The definition properties for a layer.

Type: GeospatialLayerDefinition object

Required: No

LayerType

The layer type.

Type: String

Valid Values: `POINT | LINE | POLYGON`

Required: No

Tooltip

The display options for the visual tooltip.

Type: TooltipOptions object

Required: No

Visibility

The state of visibility for the layer.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLayerJoinDefinition

The custom actions for a layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColorField

The geospatial color field for the join definition.

Type: GeospatialLayerColorField object

Required: No

DatasetKeyField

The unaggregated field for a table.

Type: UnaggregatedField object

Required: No

ShapeKeyField

The name of the field or property in the geospatial data source.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

GeospatialLayerMapConfiguration

The map definition that defines map state, map style, and geospatial layers.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Interactions

The general visual interactions setup for visual publish options

Type: VisualInteractionOptions object

Required: No

Legend

The options for the legend setup of a visual.

Type: LegendOptions object

Required: No

MapLayers

The geospatial layers to visualize on the map.

Type: Array of GeospatialLayerItem objects

Required: No

MapState

The map state properties for the map.

Type: GeospatialMapState object

Required: No

MapStyle

The map style properties for the map.

Type: GeospatialMapStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLineLayer

The geospatial Line layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Style

The visualization style for a line layer.

Type: GeospatialLineStyle object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLineStyle

The visualization style for a line layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LineSymbolStyle

The symbol style for a line style.

Type: GeospatialLineSymbolStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLineSymbolStyle

The symbol style for a line layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FillColor

The color and opacity values for the fill color.

Type: GeospatialColor object

Required: No

LineWidth

The width value for a line.

Type: GeospatialLineWidth object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialLineWidth

The width properties for a line.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LineWidth

The positive value for the width of a line.

Type: Double

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapAggregatedFieldWells

The aggregated field wells for a geospatial map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Colors

The color field wells of a geospatial map.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Geospatial

The geospatial field wells of a geospatial map. Values are grouped by geospatial fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Values

The size field wells of a geospatial map. Values are aggregated based on geospatial fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapConfiguration

The configuration of a `GeospatialMapVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldWells

The field wells of the visual.

Type: GeospatialMapFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

MapStyleOptions

The map style options of the geospatial map.

Type: GeospatialMapStyleOptions object

Required: No

PointStyleOptions

The point style options of the geospatial map.

Type: GeospatialPointStyleOptions object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

VisualPalette

The visual display options for the visual palette.

Type: VisualPalette object

Required: No

WindowOptions

The window options of the geospatial map.

Type: GeospatialWindowOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapFieldWells

The field wells of a `GeospatialMapVisual`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GeospatialMapAggregatedFieldWells

The aggregated field well for a geospatial map.

Type: GeospatialMapAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapState

The map state properties for a map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Bounds

The bound options (north, south, west, east) of the geospatial window options.

Type: GeospatialCoordinateBounds object

Required: No

MapNavigation

Enables or disables map navigation for a map.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapStyle

The map style properties for a map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

The background color and opacity values for a map.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

BaseMapStyle

The selected base map style.

Type: String

Valid Values: `LIGHT_GRAY | DARK_GRAY | STREET | IMAGERY`

Required: No

BaseMapVisibility

The state of visibility for the base map.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapStyleOptions

The map style options of the geospatial map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BaseMapStyle

The base map style of the geospatial map.

Type: String

Valid Values: `LIGHT_GRAY | DARK_GRAY | STREET | IMAGERY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialMapVisual

A geospatial map or a points on map visual.

For more information, see Creating point maps in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: GeospatialMapConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialNullDataSettings

The properties for the visualization of null data.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SymbolStyle

The symbol style for null data.

Type: GeospatialNullSymbolStyle object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialNullSymbolStyle

The symbol style for null data.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FillColor

The color and opacity values for the fill color.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

StrokeColor

The color and opacity values for the stroke color.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

StrokeWidth

The width of the border stroke.

Type: Double

Valid Range: Minimum value of 0.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialPointLayer

The geospatial Point layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Style

The visualization style for a point layer.

Type: GeospatialPointStyle object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialPointStyle

The point style for a point layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CircleSymbolStyle

The circle symbol style for a point layer.

Type: GeospatialCircleSymbolStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialPointStyleOptions

The point style of the geospatial map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ClusterMarkerConfiguration

The cluster marker configuration of the geospatial point style.

Type: ClusterMarkerConfiguration object

Required: No

HeatmapConfiguration

The heatmap configuration of the geospatial point style.

Type: GeospatialHeatmapConfiguration object

Required: No

SelectedPointStyle

The selected point styles (point, cluster) of the geospatial map.

Type: String

Valid Values: `POINT | CLUSTER | HEATMAP`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialPolygonLayer

The geospatial polygon layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Style

The visualization style for a polygon layer.

Type: GeospatialPolygonStyle object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialPolygonStyle

The polygon style for a polygon layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PolygonSymbolStyle

The polygon symbol style for a polygon layer.

Type: GeospatialPolygonSymbolStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialPolygonSymbolStyle

The polygon symbol style for a polygon layer.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FillColor

The color and opacity values for the fill color.

Type: GeospatialColor object

Required: No

StrokeColor

The color and opacity values for the stroke color.

Type: GeospatialColor object

Required: No

StrokeWidth

The width of the border stroke.

Type: GeospatialLineWidth object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

GeospatialSolidColor

The definition for a solid color.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color and opacity values for the color.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: Yes

State

Enables and disables the view state of the color.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialStaticFileSource

The source properties for a geospatial static file.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticFileId

The ID of the static file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GeospatialWindowOptions

The window options of the geospatial map visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Bounds

The bounds options (north, south, west, east) of the geospatial window options.

Type: GeospatialCoordinateBounds object

Required: No

MapZoomMode

The map zoom modes (manual, auto) of the geospatial window options.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GlobalTableBorderOptions

Determines the border options for a table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SideSpecificBorder

Determines the options for side specific border.

Type: TableSideBorderOptions object

Required: No

UniformBorder

Determines the options for uniform border.

Type: TableBorderOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GradientColor

Determines the gradient color settings.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Stops

The list of gradient color stops.

Type: Array of GradientStop objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GradientStop

Determines the gradient stop configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GradientOffset

Determines gradient offset value.

Type: Double

Required: Yes

Color

Determines the color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

DataValue

Determines the data value.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GridLayoutCanvasSizeOptions

Configuration options for the canvas of a grid layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ScreenCanvasSizeOptions

The options that determine the sizing of the canvas used in a grid layout.

Type: GridLayoutScreenCanvasSizeOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GridLayoutConfiguration

The configuration for a grid layout. Also called a tiled layout.

Visuals snap to a grid with standard spacing and alignment. Dashboards are displayed as designed, with options to fit to screen or view at actual size.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Elements

The elements that are included in a grid layout.

Type: Array of GridLayoutElement objects

Array Members: Maximum number of 430 items.

Required: Yes

CanvasSizeOptions

Configuration options for the canvas of a grid layout.

Type: GridLayoutCanvasSizeOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GridLayoutElement

An element within a grid layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnSpan

The width of a grid element expressed as a number of grid columns.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 36.

Required: Yes

ElementId

A unique identifier for an element within a grid layout.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ElementType

The type of element.

Type: String

Valid Values: `VISUAL | FILTER_CONTROL | PARAMETER_CONTROL | TEXT_BOX | IMAGE`

Required: Yes

RowSpan

The height of a grid element expressed as a number of grid rows.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 21.

Required: Yes

ColumnIndex

The column index for the upper left corner of an element.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 35.

Required: No

RowIndex

The row index for the upper left corner of an element.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 9009.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GridLayoutScreenCanvasSizeOptions

The options that determine the sizing of the canvas used in a grid layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ResizeOption

This value determines the layout behavior when the viewport is resized.

- `FIXED`: A fixed width will be used when optimizing the layout. In the Amazon QuickSight console, this option is called `Classic`.
- `RESPONSIVE`: The width of the canvas will be responsive and optimized to the view port. In the Amazon QuickSight console, this option is called `Tiled`.

Type: String

Valid Values: `FIXED | RESPONSIVE`

Required: Yes

OptimizedViewPortWidth

The width that the view port will be optimized for when the layout renders.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

Group

A *group* in Amazon QuickSight consists of a set of users. You can use groups to make it easier to manage access and security.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) for the group.

Type: String

Required: No

Description

The group description.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

GroupName

The name of the group.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: No

PrincipalId

The principal ID of the group.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GroupMember

A member of an Amazon QuickSight group. Currently, group members must be users. Groups can't be members of another group. .

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) for the group member (user).

Type: String

Required: No

MemberName

The name of the group member (user).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: `[\u0020-\u00FF]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GroupSearchFilter

A `GroupSearchFilter` object that you want to apply to your search.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the value that you want to use as a filter, for example `"Name": "GROUP_NAME"`. Currently, the only supported name is `GROUP_NAME`.

Type: String

Valid Values: `GROUP_NAME`

Required: Yes

Operator

The comparison operator that you want to use as a filter, for example `"Operator": "StartsWith"`. Currently, the only supported operator is `StartsWith`.

Type: String

Valid Values: `StartsWith`

Required: Yes

Value

The value of the named item, in this case `GROUP_NAME`, that you want to use as a filter.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GrowthRateComputation

The growth rate computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of a computation.

Type: String

Required: No

PeriodSize

The period size setup of a growth rate computation.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 52.

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

GutterStyle

The display options for gutter spacing between tiles on a sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Show

This Boolean value controls whether to display a gutter space between sheet tiles.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HeaderFooterSectionConfiguration

The configuration of a header or footer section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Layout

The layout configuration of the header or footer section.

Type: SectionLayoutConfiguration object

Required: Yes

SectionId

The unique identifier of the header or footer section.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Style

The style options of a header or footer section.

Type: SectionStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HeatMapAggregatedFieldWells

The aggregated field wells of a heat map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Columns

The columns field well of a heat map.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Rows

The rows field well of a heat map.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The values field well of a heat map.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HeatMapConfiguration

The configuration of a heat map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColorScale

The color options (gradient color, point of divergence) in a heat map.

Type: ColorScale object

Required: No

ColumnLabelOptions

The label options of the column that is displayed in a heat map.

Type: ChartAxisLabelOptions object

Required: No

DataLabels

The options that determine if visual data labels are displayed.

Type: DataLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: HeatMapFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

RowLabelOptions

The label options of the row that is displayed in a `heat map`.

Type: ChartAxisLabelOptions object

Required: No

SortConfiguration

The sort configuration of a heat map.

Type: HeatMapSortConfiguration object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HeatMapFieldWells

The field well configuration of a heat map.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

HeatMapAggregatedFieldWells

The aggregated field wells of a heat map.

Type: HeatMapAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HeatMapSortConfiguration

The sort configuration of a heat map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

HeatMapColumnItemsLimitConfiguration

The limit on the number of columns that are displayed in a heat map.

Type: ItemsLimitConfiguration object

Required: No

HeatMapColumnSort

The column sort configuration for heat map for columns that aren't a part of a field well.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

HeatMapRowItemsLimitConfiguration

The limit on the number of rows that are displayed in a heat map.

Type: ItemsLimitConfiguration object

Required: No

HeatMapRowSort

The field sort configuration of the rows fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HeatMapVisual

A heat map.

For more information, see Using heat maps in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a heat map.

Type: HeatMapConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HistogramAggregatedFieldWells

The field well configuration of a histogram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Values

The value field wells of a histogram. Values are aggregated by `COUNT` or `DISTINCT_COUNT`.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HistogramBinOptions

The options that determine the presentation of histogram bins.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BinCount

The options that determine the bin count of a histogram.

Type: BinCountOptions object

Required: No

BinWidth

The options that determine the bin width of a histogram.

Type: BinWidthOptions object

Required: No

SelectedBinType

The options that determine the selected bin type.

Type: String

Valid Values: `BIN_COUNT | BIN_WIDTH`

Required: No

StartValue

The options that determine the bin start value.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HistogramConfiguration

The configuration for a `HistogramVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BinOptions

The options that determine the presentation of histogram bins.

Type: HistogramBinOptions object

Required: No

DataLabels

The data label configuration of a histogram.

Type: DataLabelOptions object

Required: No

FieldWells

The field well configuration of a histogram.

Type: HistogramFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Tooltip

The tooltip configuration of a histogram.

Type: TooltipOptions object

Required: No

VisualPalette

The visual palette configuration of a histogram.

Type: VisualPalette object

Required: No

XAxisDisplayOptions

The options that determine the presentation of the x-axis.

Type: AxisDisplayOptions object

Required: No

XAxisLabelOptions

The options that determine the presentation of the x-axis label.

Type: ChartAxisLabelOptions object

Required: No

YAxisDisplayOptions

The options that determine the presentation of the y-axis.

Type: AxisDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HistogramFieldWells

The field well configuration of a histogram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

HistogramAggregatedFieldWells

The field well configuration of a histogram.

Type: HistogramAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

HistogramVisual

A histogram.

For more information, see Using histograms in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration for a `HistogramVisual`.

Type: HistogramConfiguration object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IAMPolicyAssignment

An Amazon Identity and Access Management (IAM) policy assignment.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AssignmentId

Assignment ID.

Type: String

Required: No

AssignmentName

Assignment name.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: No

AssignmentStatus

Assignment status.

Type: String

Valid Values: `ENABLED | DRAFT | DISABLED`

Required: No

AwsAccountId

The Amazon account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: No

Identities

Identities.

Type: String to array of strings map

Length Constraints: Minimum length of 1.

Pattern: `[\u0020-\u00FF]+`

Required: No

PolicyArn

The Amazon Resource Name (ARN) for the IAM policy.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IAMPolicyAssignmentSummary

IAM policy assignment summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AssignmentName

Assignment name.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `(?=^.{2,256}$)(?!.*\s)[0-9a-zA-Z-_.:=+@]*$`

Required: No

AssignmentStatus

Assignment status.

Type: String

Valid Values: `ENABLED | DRAFT | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Identifier

The definition for the identifier.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Identity

The identity of the identifier.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IdentityCenterConfiguration

The parameters for an IAM Identity Center configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

EnableIdentityPropagation

A Boolean option that controls whether Trusted Identity Propagation should be used.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Image

The logo image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GeneratedImageUrl

The URL that points to the generated logo image.

Type: String

Required: No

Source

The source of the logo image.

Type: ImageSource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageConfiguration

The logo image configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Source

The source of the image.

Type: ImageSource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageCustomAction

A custom action defined on an image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ActionOperations

A list of `ImageCustomActionOperations`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: Array of ImageCustomActionOperation objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

CustomActionId

The ID of the custom action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of the custom action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Trigger

The trigger of the `VisualCustomAction`.

Valid values are defined as follows:

- `CLICK`: Initiates a custom action by a left pointer click on a data point.
- `MENU`: Initiates a custom action by right pointer click from the menu.

Type: String

Valid Values: `CLICK | MENU`

Required: Yes

Status

The status of the custom action.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageCustomActionOperation

The operation that is defined by the custom action.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NavigationOperation

The navigation operation that navigates between different sheets in the same analysis.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: CustomActionNavigationOperation object

Required: No

SetParametersOperation

The set parameter operation that sets parameters in custom action.

Type: CustomActionSetParametersOperation object

Required: No

URLOperation

The URL operation that opens a link to another webpage.

Type: CustomActionURLOperation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageInteractionOptions

The general image interactions setup for image publish options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ImageMenuOption

The menu options for the image.

Type: ImageMenuOption object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageMenuOption

The menu options for the interactions of an image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The availability status of the image menu. If the value of this property is set to `ENABLED`, dashboard readers can interact with the image menu.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageSet

The image set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Original

The original image.

Type: Image object

Required: Yes

Height32

The image with the height set to 32 pixels.

Type: Image object

Required: No

Height64

The image with the height set to 64 pixels.

Type: Image object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ImageSetConfiguration

The image set configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Original

The original image.

Type: ImageConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ImageSource

The source of the image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

PublicUrl

The public URL that points to the source image.

Type: String

Required: No

S3Uri

The Amazon S3 URI that points to the source image.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ImageStaticFile

A static file that contains an image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticFileId

The ID of the static file that contains an image.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Source

The source of the image static file.

Type: StaticFileSource object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IncrementalRefresh

The incremental refresh configuration for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LookbackWindow

The lookback window setup for an incremental refresh configuration.

Type: LookbackWindow object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Ingestion

Information about the SPICE ingestion for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: Yes

CreatedTime

The time that this ingestion started.

Type: Timestamp

Required: Yes

IngestionStatus

Ingestion status.

Type: String

Valid Values: `INITIALIZED | QUEUED | RUNNING | FAILED | COMPLETED | CANCELLED`

Required: Yes

ErrorInfo

Error information for this ingestion.

Type: ErrorInfo object

Required: No

IngestionId

Ingestion ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-_]+$`

Required: No

IngestionSizeInBytes

The size of the data ingested, in bytes.

Type: Long

Required: No

IngestionTimeInSeconds

The time that this ingestion took, measured in seconds.

Type: Long

Required: No

QueueInfo

Information about a queued dataset SPICE ingestion.

Type: QueueInfo object

Required: No

RequestSource

Event source for this ingestion.

Type: String

Valid Values: `MANUAL | SCHEDULED`

Required: No

RequestType

Type of this ingestion.

Type: String

Valid Values: `INITIAL_INGESTION | EDIT | INCREMENTAL_REFRESH | FULL_REFRESH`

Required: No

RowInfo

Information about rows for a data set SPICE ingestion.

Type: RowInfo object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InnerFilter

The `InnerFilter` defines the subset of data to be used with the `NestedFilter`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryInnerFilter

A `CategoryInnerFilter` filters text values for the `NestedFilter`.

Type: CategoryInnerFilter object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InputColumn

Metadata for a column that is used as the input of a transform operation.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of this column in the underlying data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Type

The data type of the column.

Type: String

Valid Values: `STRING | INTEGER | DECIMAL | DATETIME | BIT | BOOLEAN | JSON`

Required: Yes

SubType

The sub data type of the column. Sub types are only available for decimal columns that are part of a SPICE dataset.

Type: String

Valid Values: `FLOAT | FIXED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InsightConfiguration

The configuration of an insight visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Computations

The computations configurations of the insight visual

Type: Array of Computation objects

Array Members: Maximum number of 100 items.

Required: No

CustomNarrative

The custom narrative of the insight visual.

Type: CustomNarrativeOptions object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InsightVisual

An insight visual.

For more information, see Working with insights in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifier

The dataset that is used in the insight visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

InsightConfiguration

The configuration of an insight visual.

Type: InsightConfiguration object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IntegerDatasetParameter

An integer parameter for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Id

An identifier for the integer parameter created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-]+$`

Required: Yes

Name

The name of the integer parameter that is created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ValueType

The value type of the dataset parameter. Valid values are `single value` or `multi value`.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

A list of default values for a given integer parameter. This structure only accepts static values.

Type: IntegerDatasetParameterDefaultValues object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IntegerDatasetParameterDefaultValues

The default values of an integer parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticValues

A list of static default values for a given integer parameter.

Type: Array of longs

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IntegerDefaultValues

The default values of the `IntegerParameterDeclaration`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DynamicValue

The dynamic value of the `IntegerDefaultValues`. Different defaults are displayed according to users, groups, and values mapping.

Type: DynamicDefaultValue object

Required: No

StaticValues

The static values of the `IntegerDefaultValues`.

Type: Array of longs

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IntegerParameter

An integer parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the integer parameter.

Type: String

Pattern: `.*\S.*`

Required: Yes

Values

The values for the integer parameter.

Type: Array of longs

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IntegerParameterDeclaration

A parameter declaration for the `Integer` data type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the parameter that is being declared.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ParameterValueType

The value type determines whether the parameter is a single-value or multi-value parameter.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

The default values of a parameter. If the parameter is a single-value parameter, a maximum of one default value can be provided.

Type: IntegerDefaultValues object

Required: No

MappedDataSetParameters

A list of dataset parameters that are mapped to an analysis parameter.

Type: Array of MappedDataSetParameter objects

Array Members: Minimum number of 0 items. Maximum number of 150 items.

Required: No

ValueWhenUnset

A parameter declaration for the `Integer` data type.

Type: IntegerValueWhenUnsetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

IntegerValueWhenUnsetConfiguration

A parameter declaration for the `Integer` data type.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomValue

A custom value that's used when the value of a parameter isn't set.

Type: Long

Required: No

ValueWhenUnsetOption

The built-in options for default values. The value can be one of the following:

- `RECOMMENDED`: The recommended value.
- `NULL`: The `NULL` value.

Type: String

Valid Values: `RECOMMENDED_VALUE | NULL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

InvalidTopicReviewedAnswer

The definition for a `InvalidTopicReviewedAnswer`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnswerId

The answer ID for the `InvalidTopicReviewedAnswer`.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: No

Error

The error that is returned for the `InvalidTopicReviewedAnswer`.

Type: String

Valid Values: `INTERNAL_ERROR | MISSING_ANSWER | DATASET_DOES_NOT_EXIST | INVALID_DATASET_ARN | DUPLICATED_ANSWER | INVALID_DATA | MISSING_REQUIRED_FIELDS`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ItemsLimitConfiguration

The limit configuration of the visual display for an axis.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ItemsLimit

The limit on how many items of a field are showed in the chart. For example, the number of slices that are displayed in a pie chart.

Type: Long

Required: No

OtherCategories

The `Show other` of an axis in the chart. Choose one of the following options:

- `INCLUDE`
- `EXCLUDE`

Type: String

Valid Values: `INCLUDE | EXCLUDE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

JiraParameters

The parameters for Jira.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SiteBaseUrl

The base URL of the Jira site.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

JoinInstruction

The instructions associated with a join.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LeftOperand

The operand on the left side of a join.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9a-zA-Z-]*`

Required: Yes

OnClause

The join instructions provided in the `ON` clause of a join.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

RightOperand

The operand on the right side of a join.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9a-zA-Z-]*`

Required: Yes

Type

The type of join that it is.

Type: String

Valid Values: `INNER | OUTER | LEFT | RIGHT`

Required: Yes

LeftJoinKeyProperties

Join key properties of the left operand.

Type: JoinKeyProperties object

Required: No

RightJoinKeyProperties

Join key properties of the right operand.

Type: JoinKeyProperties object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

JoinKeyProperties

Properties associated with the columns participating in a join.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

UniqueKey

A value that indicates that a row in a table is uniquely identified by the columns in a join key. This is used by Amazon QuickSight to optimize query performance.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIActualValueConditionalFormatting

The conditional formatting for the actual value of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Icon

The conditional formatting of the actual value's icon.

Type: ConditionalFormattingIcon object

Required: No

TextColor

The conditional formatting of the actual value's text color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIComparisonValueConditionalFormatting

The conditional formatting for the comparison value of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Icon

The conditional formatting of the comparison value's icon.

Type: ConditionalFormattingIcon object

Required: No

TextColor

The conditional formatting of the comparison value's text color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIConditionalFormatting

The conditional formatting of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConditionalFormattingOptions

The conditional formatting options of a KPI visual.

Type: Array of KPIConditionalFormattingOption objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIConditionalFormattingOption

The conditional formatting options of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ActualValue

The conditional formatting for the actual value of a KPI visual.

Type: KPIActualValueConditionalFormatting object

Required: No

ComparisonValue

The conditional formatting for the comparison value of a KPI visual.

Type: KPIComparisonValueConditionalFormatting object

Required: No

PrimaryValue

The conditional formatting for the primary value of a KPI visual.

Type: KPIPrimaryValueConditionalFormatting object

Required: No

ProgressBar

The conditional formatting for the progress bar of a KPI visual.

Type: KPIProgressBarConditionalFormatting object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIConfiguration

The configuration of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldWells

The field well configuration of a KPI visual.

Type: KPIFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

KPIOptions

The options that determine the presentation of a KPI visual.

Type: KPIOptions object

Required: No

SortConfiguration

The sort configuration of a KPI visual.

Type: KPISortConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIFieldWells

The field well configuration of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TargetValues

The target value field wells of a KPI visual.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

TrendGroups

The trend group field wells of a KPI visual.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Values

The value field wells of a KPI visual.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIOptions

The options that determine the presentation of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Comparison

The comparison configuration of a KPI visual.

Type: ComparisonConfiguration object

Required: No

PrimaryValueDisplayType

The options that determine the primary value display type.

Type: String

Valid Values: `HIDDEN | COMPARISON | ACTUAL`

Required: No

PrimaryValueFontConfiguration

The options that determine the primary value font configuration.

Type: FontConfiguration object

Required: No

ProgressBar

The options that determine the presentation of the progress bar of a KPI visual.

Type: ProgressBarOptions object

Required: No

SecondaryValue

The options that determine the presentation of the secondary value of a KPI visual.

Type: SecondaryValueOptions object

Required: No

SecondaryValueFontConfiguration

The options that determine the secondary value font configuration.

Type: FontConfiguration object

Required: No

Sparkline

The options that determine the visibility, color, type, and tooltip visibility of the sparkline of a KPI visual.

Type: KPISparklineOptions object

Required: No

TrendArrows

The options that determine the presentation of trend arrows in a KPI visual.

Type: TrendArrowOptions object

Required: No

VisualLayoutOptions

The options that determine the layout a KPI visual.

Type: KPIVisualLayoutOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIPrimaryValueConditionalFormatting

The conditional formatting for the primary value of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Icon

The conditional formatting of the primary value's icon.

Type: ConditionalFormattingIcon object

Required: No

TextColor

The conditional formatting of the primary value's text color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIProgressBarConditionalFormatting

The conditional formatting for the progress bar of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ForegroundColor

The conditional formatting of the progress bar's foreground color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPISortConfiguration

The sort configuration of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TrendGroupSort

The sort configuration of the trend group fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPISparklineOptions

The options that determine the visibility, color, type, and tooltip visibility of the sparkline of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Type

The type of the sparkline.

Type: String

Valid Values: `LINE | AREA`

Required: Yes

Color

The color of the sparkline.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

TooltipVisibility

The tooltip visibility of the sparkline.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Visibility

The visibility of the sparkline.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIVisual

A key performance indicator (KPI).

For more information, see Using KPIs in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a KPI visual.

Type: KPIConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

ConditionalFormatting

The conditional formatting of a KPI visual.

Type: KPIConditionalFormatting object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIVisualLayoutOptions

The options that determine the layout a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StandardLayout

The standard layout of the KPI visual.

Type: KPIVisualStandardLayout object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

KPIVisualStandardLayout

The standard layout of the KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Type

The standard layout type.

Type: String

Valid Values: `CLASSIC | VERTICAL`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LabelOptions

The share label options for the labels.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabel

The text for the label.

Type: String

Required: No

FontConfiguration

The font configuration of the label.

Type: FontConfiguration object

Required: No

Visibility

Determines whether or not the label is visible.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LayerCustomAction

A layer custom action.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ActionOperations

A list of `LayerCustomActionOperations`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: Array of LayerCustomActionOperation objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

CustomActionId

The ID of the custom action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of the custom action.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Trigger

The trigger of the `LayerCustomAction`.

Valid values are defined as follows:

- `DATA_POINT_CLICK`: Initiates a custom action by a left pointer click on a data point.
- `DATA_POINT_MENU`: Initiates a custom action by right pointer click from the menu.

Type: String

Valid Values: `DATA_POINT_CLICK | DATA_POINT_MENU`

Required: Yes

Status

The status of the `LayerCustomAction`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LayerCustomActionOperation

The operation that is defined by the custom action.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterOperation

The filter operation that filters data included in a visual or in an entire sheet.

Type: CustomActionFilterOperation object

Required: No

NavigationOperation

The navigation operation that navigates between different sheets in the same analysis.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: CustomActionNavigationOperation object

Required: No

SetParametersOperation

The set parameter operation that sets parameters in custom action.

Type: CustomActionSetParametersOperation object

Required: No

URLOperation

The URL operation that opens a link to another webpage.

Type: CustomActionURLOperation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LayerMapVisual

A layer map visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifier

The dataset that is used to create the layer map visual. You can't create a visual without a dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

VisualId

The ID of the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ChartConfiguration

The configuration settings of the visual.

Type: GeospatialLayerMapConfiguration object

Required: No

Subtitle

The subtitle label options for a visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title label options for a visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Layout

A `Layout` defines the placement of elements within a sheet.

For more information, see Types of layout in the *Amazon QuickSight User Guide*.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Configuration

The configuration that determines what the type of layout for a sheet.

Type: LayoutConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LayoutConfiguration

The configuration that determines what the type of layout will be used on a sheet.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FreeFormLayout

A free-form is optimized for a fixed width and has more control over the exact placement of layout elements.

Type: FreeFormLayoutConfiguration object

Required: No

GridLayout

A type of layout that can be used on a sheet. In a grid layout, visuals snap to a grid with standard spacing and alignment. Dashboards are displayed as designed, with options to fit to screen or view at actual size. A grid layout can be configured to behave in one of two ways when the viewport is resized: `FIXED` or `RESPONSIVE`.

Type: GridLayoutConfiguration object

Required: No

SectionBasedLayout

A section based layout organizes visuals into multiple sections and has customized header, footer and page break.

Type: SectionBasedLayoutConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LegendOptions

The options for the legend setup of a visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Height

The height of the legend. If this value is omitted, a default height is used when rendering.

Type: String

Required: No

Position

The positions for the legend. Choose one of the following options:

- `AUTO`
- `RIGHT`
- `BOTTOM`
- `LEFT`

Type: String

Valid Values: `AUTO | RIGHT | BOTTOM | TOP`

Required: No

Title

The custom title for the legend.

Type: LabelOptions object

Required: No

ValueFontConfiguration

Configures the display properties of the given text.

Type: FontConfiguration object

Required: No

Visibility

Determines whether or not the legend is visible.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Width

The width of the legend. If this value is omitted, a default width is used when rendering.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartAggregatedFieldWells

The field well configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The category field wells of a line chart. Values are grouped by category fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Colors

The color field wells of a line chart. Values are grouped by category fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

SmallMultiples

The small multiples field well of a line chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The value field wells of a line chart. Values are aggregated based on categories.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartConfiguration

The configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContributionAnalysisDefaults

The default configuration of a line chart's contribution analysis.

Type: Array of ContributionAnalysisDefault objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

DataLabels

The data label configuration of a line chart.

Type: DataLabelOptions object

Required: No

DefaultSeriesSettings

The options that determine the default presentation of all line series in `LineChartVisual`.

Type: LineChartDefaultSeriesSettings object

Required: No

FieldWells

The field well configuration of a line chart.

Type: LineChartFieldWells object

Required: No

ForecastConfigurations

The forecast configuration of a line chart.

Type: Array of ForecastConfiguration objects

Array Members: Maximum number of 10 items.

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend configuration of a line chart.

Type: LegendOptions object

Required: No

PrimaryYAxisDisplayOptions

The series axis configuration of a line chart.

Type: LineSeriesAxisDisplayOptions object

Required: No

PrimaryYAxisLabelOptions

The options that determine the presentation of the y-axis label.

Type: ChartAxisLabelOptions object

Required: No

ReferenceLines

The reference lines configuration of a line chart.

Type: Array of ReferenceLine objects

Array Members: Maximum number of 20 items.

Required: No

SecondaryYAxisDisplayOptions

The series axis configuration of a line chart.

Type: LineSeriesAxisDisplayOptions object

Required: No

SecondaryYAxisLabelOptions

The options that determine the presentation of the secondary y-axis label.

Type: ChartAxisLabelOptions object

Required: No

Series

The series item configuration of a line chart.

Type: Array of SeriesItem objects

Array Members: Maximum number of 2000 items.

Required: No

SingleAxisOptions

The settings of a chart's single axis configuration.

Type: SingleAxisOptions object

Required: No

SmallMultiplesOptions

The small multiples setup for the visual.

Type: SmallMultiplesOptions object

Required: No

SortConfiguration

The sort configuration of a line chart.

Type: LineChartSortConfiguration object

Required: No

Tooltip

The tooltip configuration of a line chart.

Type: TooltipOptions object

Required: No

Type

Determines the type of the line chart.

Type: String

Valid Values: `LINE | AREA | STACKED_AREA`

Required: No

VisualPalette

The visual palette configuration of a line chart.

Type: VisualPalette object

Required: No

XAxisDisplayOptions

The options that determine the presentation of the x-axis.

Type: AxisDisplayOptions object

Required: No

XAxisLabelOptions

The options that determine the presentation of the x-axis label.

Type: ChartAxisLabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartDefaultSeriesSettings

The options that determine the default presentation of all line series in `LineChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisBinding

The axis to which you are binding all line series to.

Type: String

Valid Values: `PRIMARY_YAXIS | SECONDARY_YAXIS`

Required: No

LineStyleSettings

Line styles options for all line series in the visual.

Type: LineChartLineStyleSettings object

Required: No

MarkerStyleSettings

Marker styles options for all line series in the visual.

Type: LineChartMarkerStyleSettings object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartFieldWells

The field well configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LineChartAggregatedFieldWells

The field well configuration of a line chart.

Type: LineChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartLineStyleSettings

Line styles options for a line series in `LineChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LineInterpolation

Interpolation style for line series.

- `LINEAR`: Show as default, linear style.
- `SMOOTH`: Show as a smooth curve.
- `STEPPED`: Show steps in line.

Type: String

Valid Values: `LINEAR | SMOOTH | STEPPED`

Required: No

LineStyle

Line style for line series.

- `SOLID`: Show as a solid line.
- `DOTTED`: Show as a dotted line.
- `DASHED`: Show as a dashed line.

Type: String

Valid Values: `SOLID | DOTTED | DASHED`

Required: No

LineVisibility

Configuration option that determines whether to show the line for the series.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

LineWidth

Width that determines the line thickness.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartMarkerStyleSettings

Marker styles options for a line series in `LineChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MarkerColor

Color of marker in the series.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

MarkerShape

Shape option for markers in the series.

- `CIRCLE`: Show marker as a circle.
- `TRIANGLE`: Show marker as a triangle.
- `SQUARE`: Show marker as a square.
- `DIAMOND`: Show marker as a diamond.
- `ROUNDED_SQUARE`: Show marker as a rounded square.

Type: String

Valid Values: `CIRCLE | TRIANGLE | SQUARE | DIAMOND | ROUNDED_SQUARE`

Required: No

MarkerSize

Size of marker in the series.

Type: String

Required: No

MarkerVisibility

Configuration option that determines whether to show the markers in the series.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartSeriesSettings

The options that determine the presentation of a line series in the visual

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LineStyleSettings

Line styles options for a line series in `LineChartVisual`.

Type: LineChartLineStyleSettings object

Required: No

MarkerStyleSettings

Marker styles options for a line series in `LineChartVisual`.

Type: LineChartMarkerStyleSettings object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartSortConfiguration

The sort configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimitConfiguration

The limit on the number of categories that are displayed in a line chart.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of the category fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

ColorItemsLimitConfiguration

The limit on the number of lines that are displayed in a line chart.

Type: ItemsLimitConfiguration object

Required: No

SmallMultiplesLimitConfiguration

The limit on the number of small multiples panels that are displayed.

Type: ItemsLimitConfiguration object

Required: No

SmallMultiplesSort

The sort configuration of the small multiples field.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineChartVisual

A line chart.

For more information, see Using line charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a line chart.

Type: LineChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LineSeriesAxisDisplayOptions

The series axis configuration of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisOptions

The options that determine the presentation of the line series axis.

Type: AxisDisplayOptions object

Required: No

MissingDataConfigurations

The configuration options that determine how missing data is treated during the rendering of a line chart.

Type: Array of MissingDataConfiguration objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LinkSharingConfiguration

A structure that contains the configuration of a shareable link to the dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Permissions

A structure that contains the permissions of a shareable link.

Type: Array of ResourcePermission objects

Array Members: Minimum number of 1 item. Maximum number of 64 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ListControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

SearchOptions

The configuration of the search options in a list control.

Type: ListControlSearchOptions object

Required: No

SelectAllOptions

The configuration of the `Select all` options in a list control.

Type: ListControlSelectAllOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ListControlSearchOptions

The configuration of the search options in a list control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility configuration of the search options in a list control.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ListControlSelectAllOptions

The configuration of the `Select all` options in a list control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility configuration of the `Select all` options in a list control.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LoadingAnimation

The configuration of loading animation in free-form layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility configuration of `LoadingAnimation`.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LocalNavigationConfiguration

The navigation configuration for `CustomActionNavigationOperation`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TargetSheetId

The sheet that is targeted for navigation in the same analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LogicalTable

A *logical table* is a unit that joins and that data transformations operate on. A logical table has a source, which can be either a physical table or result of a join. When a logical table points to a physical table, the logical table acts as a mutable copy of that physical table through transform operations.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Alias

A display name for the logical table.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

Source

Source of this logical table.

Type: LogicalTableSource object

Required: Yes

DataTransforms

Transform operations that act on this logical table. For this structure to be valid, only one of the attributes can be non-null.

Type: Array of TransformOperation objects

Array Members: Minimum number of 1 item. Maximum number of 2048 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LogicalTableSource

Information about the source of a logical table. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetArn

The Amazon Resource Number (ARN) of the parent dataset.

Type: String

Required: No

JoinInstruction

Specifies the result of a join of two logical tables.

Type: JoinInstruction object

Required: No

PhysicalTableId

Physical table ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9a-zA-Z-]*`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Logo

The logo configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AltText

The alt text for the logo.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[ -ÿ]+`

Required: Yes

LogoSet

A set of configured logos.

Type: LogoSet object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LogoConfiguration

The logo configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AltText

The alt text for the logo.

Type: String

Required: Yes

LogoSet

A set of configured logos.

Type: LogoSetConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LogoSet

A set of logos.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Primary

The primary logo.

Type: ImageSet object

Required: Yes

Favicon

The favicon logo.

Type: ImageSet object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LogoSetConfiguration

The logo set configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Primary

The primary logo.

Type: ImageSetConfiguration object

Required: Yes

Favicon

The favicon logo.

Type: ImageSetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

LongFormatText

The text format for a subtitle.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PlainText

Plain text format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

RichText

Rich text. Examples of rich text include bold, underline, and italics.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

LookbackWindow

The lookback window setup of an incremental refresh configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

The name of the lookback window column.

Type: String

Required: Yes

Size

The lookback window column size.

Type: Long

Valid Range: Minimum value of 1.

Required: Yes

SizeUnit

The size unit that is used for the lookback window column. Valid values for this structure are `HOUR`, `DAY`, and `WEEK`.

Type: String

Valid Values: `HOUR | DAY | WEEK`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ManifestFileLocation

Amazon S3 manifest file location.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Bucket

Amazon S3 bucket.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

Key

Amazon S3 key that identifies an object.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MappedDataSetParameter

A dataset parameter that is mapped to an analysis parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetIdentifier

A unique name that identifies a dataset within the analysis or dashboard.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DataSetParameterName

The name of the dataset parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MarginStyle

The display options for margins around the outside edge of sheets.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Show

This Boolean value controls whether to display sheet margins.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MariaDbParameters

The parameters for MariaDB.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MaximumLabelType

The maximum label of a data path label.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility of the maximum label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MaximumMinimumComputation

The maximum and minimum computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Type

The type of computation. Choose one of the following options:

- MAXIMUM: A maximum computation.
- MINIMUM: A minimum computation.

Type: String

Valid Values: `MAXIMUM | MINIMUM`

Required: Yes

Name

The name of a computation.

Type: String

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MeasureField

The measure (metric) type field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CalculatedMeasureField

The calculated measure field only used in pivot tables.

Type: CalculatedMeasureField object

Required: No

CategoricalMeasureField

The measure type field with categorical type columns.

Type: CategoricalMeasureField object

Required: No

DateMeasureField

The measure type field with date type columns.

Type: DateMeasureField object

Required: No

NumericalMeasureField

The measure type field with numerical type columns.

Type: NumericalMeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MemberIdArnPair

An object that consists of a member Amazon Resource Name (ARN) and a member ID.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MemberArn

The Amazon Resource Name (ARN) of the member.

Type: String

Required: No

MemberId

The ID of the member.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MetricComparisonComputation

The metric comparison computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

FromValue

The field that is used in a metric comparison from value setup.

Type: MeasureField object

Required: No

Name

The name of a computation.

Type: String

Required: No

TargetValue

The field that is used in a metric comparison to value setup.

Type: MeasureField object

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MinimumLabelType

The minimum label of a data path label.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility of the minimum label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MissingDataConfiguration

The configuration options that determine how missing data is treated during the rendering of a line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TreatmentOption

The treatment option that determines how missing data should be rendered. Choose from the following options:

- `INTERPOLATE`: Interpolate missing values between the prior and the next known value.
- `SHOW_AS_ZERO`: Show missing values as the value `0`.
- `SHOW_AS_BLANK`: Display a blank space when rendering missing data.

Type: String

Valid Values: `INTERPOLATE | SHOW_AS_ZERO | SHOW_AS_BLANK`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

MySqlParameters

The parameters for MySQL.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamedEntityDefinition

A structure that represents a named entity.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldName

The name of the entity.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Metric

The definition of a metric.

Type: NamedEntityDefinitionMetric object

Required: No

PropertyName

The property name to be used for the named entity.

Type: String

Length Constraints: Maximum length of 256.

Required: No

PropertyRole

The property role. Valid values for this structure are `PRIMARY` and `ID`.

Type: String

Valid Values: `PRIMARY | ID`

Required: No

PropertyUsage

The property usage. Valid values for this structure are `INHERIT`, `DIMENSION`, and `MEASURE`.

Type: String

Valid Values: `INHERIT | DIMENSION | MEASURE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamedEntityDefinitionMetric

A structure that represents a metric.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Aggregation

The aggregation of a named entity. Valid values for this structure are `SUM`, `MIN`, `MAX`, `COUNT`, `AVERAGE`, `DISTINCT_COUNT`, `STDEV`, `STDEVP`, `VAR`, `VARP`, `PERCENTILE`, `MEDIAN`, and `CUSTOM`.

Type: String

Valid Values: `SUM | MIN | MAX | COUNT | AVERAGE | DISTINCT_COUNT | STDEV | STDEVP | VAR | VARP | PERCENTILE | MEDIAN | CUSTOM`

Required: No

AggregationFunctionParameters

The additional parameters for an aggregation function.

Type: String to string map

Key Length Constraints: Maximum length of 256.

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamedEntityRef

The definition for a `NamedEntityRef`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NamedEntityName

The `NamedEntityName` for the `NamedEntityRef`.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamespaceError

Errors that occur during namespace creation.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

The message for the error.

Type: String

Required: No

Type

The error type.

Type: String

Valid Values: `PERMISSION_DENIED | INTERNAL_SERVICE_ERROR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NamespaceInfoV2

The error type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The namespace ARN.

Type: String

Required: No

CapacityRegion

The namespace Amazon Web Services Region.

Type: String

Required: No

CreationStatus

The creation status of a namespace that is not yet completely created.

Type: String

Valid Values: `CREATED | CREATING | DELETING | RETRYABLE_FAILURE | NON_RETRYABLE_FAILURE`

Required: No

IamIdentityCenterApplicationArn

The Amazon Resource Name (ARN) for the IAM Identity Center application.

Type: String

Required: No

IamIdentityCenterInstanceArn

The Amazon Resource Name (ARN) for the IAM Identity Center instance.

Type: String

Required: No

IdentityStore

The identity store used for the namespace.

Type: String

Valid Values: `QUICKSIGHT`

Required: No

Name

The name of the error.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: No

NamespaceError

An error that occurred when the namespace was created.

Type: NamespaceError object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NavbarStyle

The navigation bar style.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContextualNavbar

The contextual navigation bar style.

Type: Palette object

Required: No

GlobalNavbar

The global navigation bar style.

Type: Palette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NegativeFormat

A structure that represents a negative format.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Prefix

The prefix for a negative format.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Suffix

The suffix for a negative format.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NegativeValueConfiguration

The options that determine the negative value configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisplayMode

Determines the display mode of the negative value configuration.

Type: String

Valid Values: `POSITIVE | NEGATIVE`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NestedFilter

A `NestedFilter` filters data with a subset of data that is defined by the nested inner filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

IncludeInnerSet

A boolean condition to include or exclude the subset that is defined by the values of the nested inner filter.

Type: Boolean

Required: Yes

InnerFilter

The `InnerFilter` defines the subset of data to be used with the `NestedFilter`.

Type: InnerFilter object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NetworkInterface

The structure that contains information about a network interface.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityZone

The availability zone that the network interface resides in.

Type: String

Required: No

ErrorMessage

An error message.

Type: String

Required: No

NetworkInterfaceId

The network interface ID.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `^eni-[0-9a-z]*$`

Required: No

Status

The status of the network interface.

Type: String

Valid Values: `CREATING | AVAILABLE | CREATION_FAILED | UPDATING | UPDATE_FAILED | DELETING | DELETED | DELETION_FAILED | DELETION_SCHEDULED | ATTACHMENT_FAILED_ROLLBACK_FAILED`

Required: No

SubnetId

The subnet ID associated with the network interface.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^subnet-[0-9a-z]*$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NewDefaultValues

The configuration that overrides the existing default values for a dataset parameter that is inherited from another dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeStaticValues

A list of static default values for a given date time parameter.

Type: Array of timestamps

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

DecimalStaticValues

A list of static default values for a given decimal parameter.

Type: Array of doubles

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

IntegerStaticValues

A list of static default values for a given integer parameter.

Type: Array of longs

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Required: No

StringStaticValues

A list of static default values for a given string parameter.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NullValueFormatConfiguration

The options that determine the null value format configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NullString

Determines the null string of null values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumberDisplayFormatConfiguration

The options that determine the number display format configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DecimalPlacesConfiguration

The option that determines the decimal places configuration.

Type: DecimalPlacesConfiguration object

Required: No

NegativeValueConfiguration

The options that determine the negative value configuration.

Type: NegativeValueConfiguration object

Required: No

NullValueFormatConfiguration

The options that determine the null value format configuration.

Type: NullValueFormatConfiguration object

Required: No

NumberScale

Determines the number scale value of the number format.

Type: String

Valid Values: `NONE | AUTO | THOUSANDS | MILLIONS | BILLIONS | TRILLIONS | LAKHS | CRORES`

Required: No

Prefix

Determines the prefix value of the number format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

SeparatorConfiguration

The options that determine the numeric separator configuration.

Type: NumericSeparatorConfiguration object

Required: No

Suffix

Determines the suffix value of the number format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumberFormatConfiguration

Formatting configuration for number fields.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FormatConfiguration

The options that determine the numeric format configuration.

Type: NumericFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericalAggregationFunction

Aggregation for numerical values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PercentileAggregation

An aggregation based on the percentile of values in a dimension or measure.

Type: PercentileAggregation object

Required: No

SimpleNumericalAggregation

Built-in aggregation functions for numerical values.

- SUM: The sum of a dimension or measure.
- AVERAGE: The average of a dimension or measure.
- MIN: The minimum value of a dimension or measure.
- MAX: The maximum value of a dimension or measure.
- COUNT: The count of a dimension or measure.
- DISTINCT_COUNT: The count of distinct values in a dimension or measure.
- VAR: The variance of a dimension or measure.
- VARP: The partitioned variance of a dimension or measure.
- STDEV: The standard deviation of a dimension or measure.
- STDEVP: The partitioned standard deviation of a dimension or measure.
- MEDIAN: The median value of a dimension or measure.

Type: String

Valid Values: SUM | AVERAGE | MIN | MAX | COUNT | DISTINCT_COUNT | VAR | VARP | STDEV | STDEVP | MEDIAN

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericalDimensionField

The dimension type field with numerical type columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `NumericalDimensionField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

FormatConfiguration

The format configuration of the field.

Type: NumberFormatConfiguration object

Required: No

HierarchyId

The custom hierarchy ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericalMeasureField

The measure type field with numerical type columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `NumericalMeasureField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

AggregationFunction

The aggregation function of the measure field.

Type: NumericalAggregationFunction object

Required: No

FormatConfiguration

The format configuration of the field.

Type: NumberFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericAxisOptions

The options for an axis with a numeric field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Range

The range setup of a numeric axis.

Type: AxisDisplayRange object

Required: No

Scale

The scale setup of a numeric axis.

Type: AxisScale object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericEqualityDrillDownFilter

The numeric equality type drill down filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

Value

The value of the double input numeric drill down filter.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericEqualityFilter

A `NumericEqualityFilter` filters values that are equal to the specified value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

MatchOperator

The match operator that is used to determine if a filter should be applied.

Type: String

Valid Values: `EQUALS | DOES_NOT_EQUAL`

Required: Yes

NullOption

This option determines how null values should be treated when filtering data.

- ALL_VALUES: Include null values in filtered results.
- NULLS_ONLY: Only include null values in filtered results.
- NON_NULLS_ONLY: Exclude null values from filtered results.

Type: String

Valid Values: ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY

Required: Yes

AggregationFunction

The aggregation function of the filter.

Type: AggregationFunction object

Required: No

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

ParameterName

The parameter whose value should be used for the filter value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: ^[a-zA-Z0-9]+$

Required: No

SelectAllOptions

Select all of the values. Null is not the assigned value of select all.

- FILTER_ALL_VALUES

Type: String

Valid Values: `FILTER_ALL_VALUES`

Required: No

Value

The input value.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericFormatConfiguration

The options that determine the numeric format configuration.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CurrencyDisplayFormatConfiguration

The options that determine the currency display format configuration.

Type: CurrencyDisplayFormatConfiguration object

Required: No

NumberDisplayFormatConfiguration

The options that determine the number display format configuration.

Type: NumberDisplayFormatConfiguration object

Required: No

PercentageDisplayFormatConfiguration

The options that determine the percentage display format configuration.

Type: PercentageDisplayFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericRangeFilter

A `NumericRangeFilter` filters values that are within the value range.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

NullOption

This option determines how null values should be treated when filtering data.

- `ALL_VALUES`: Include null values in filtered results.
- `NULLS_ONLY`: Only include null values in filtered results.
- `NON_NULLS_ONLY`: Exclude null values from filtered results.

Type: String

Valid Values: `ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY`

Required: Yes

AggregationFunction

The aggregation function of the filter.

Type: AggregationFunction object

Required: No

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

IncludeMaximum

Determines whether the maximum value in the filter value range should be included in the filtered results.

Type: Boolean

Required: No

IncludeMinimum

Determines whether the minimum value in the filter value range should be included in the filtered results.

Type: Boolean

Required: No

RangeMaximum

The maximum value for the filter value range.

Type: NumericRangeFilterValue object

Required: No

RangeMinimum

The minimum value for the filter value range.

Type: NumericRangeFilterValue object

Required: No

SelectAllOptions

Select all of the values. Null is not the assigned value of select all.

- `FILTER_ALL_VALUES`

Type: String

Valid Values: `FILTER_ALL_VALUES`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericRangeFilterValue

The value input pf the numeric range filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Parameter

The parameter that is used in the numeric range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

StaticValue

The static value of the numeric range filter.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

NumericSeparatorConfiguration

The options that determine the numeric separator configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DecimalSeparator

Determines the decimal separator.

Type: String

Valid Values: `COMMA | DOT | SPACE`

Required: No

ThousandsSeparator

The options that determine the thousands separator configuration.

Type: ThousandSeparatorOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OAuthParameters

An object that contains information needed to create a data source connection that uses OAuth client credentials. This option is available for data source connections that are made with Snowflake and Starburst.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TokenProviderUrl

The token endpoint URL of the identity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

IdentityProviderResourceUri

The resource uri of the identity provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

IdentityProviderVpcConnectionProperties

VPC connection properties.

Type: VpcConnectionProperties object

Required: No

OAuthScope

The OAuth scope.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OracleParameters

The parameters for Oracle.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

The database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

An Oracle host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

The port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

UseServiceName

A Boolean value that indicates whether the `Database` uses a service name or an SID. If this value is left blank, the default value is `SID`. If this value is set to `false`, the value is `SID`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OutputColumn

Output column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Description

A description for a column.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

Name

The display name of the column..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

SubType

The sub data type of the column.

Type: String

Valid Values: `FLOAT | FIXED`

Required: No

Type

The data type of the column.

Type: String

Valid Values: `STRING | INTEGER | DECIMAL | DATETIME`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

OverrideDatasetParameterOperation

A transform operation that overrides the dataset parameter values that are defined in another dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterName

The name of the parameter to be overridden with different values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

NewDefaultValues

The new default values for the parameter.

Type: NewDefaultValues object

Required: No

NewParameterName

The new name for the parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PaginationConfiguration

The pagination configuration for a table visual or boxplot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PageNumber

Indicates the page number.

Type: Long

Valid Range: Minimum value of 0.

Required: Yes

PageSize

Indicates how many items render in one page.

Type: Long

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Palette

The color palette.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Background

The background color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Foreground

The foreground color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PanelConfiguration

A collection of options that configure how each panel displays in a small multiples chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

Sets the background color for each panel.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

BackgroundVisibility

Determines whether or not a background for each small multiples panel is rendered.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

BorderColor

Sets the line color of panel borders.

Type: String

Pattern: `^#[A-F0-9]{6}(?:[A-F0-9]{2})?$`

Required: No

BorderStyle

Sets the line style of panel borders.

Type: String

Valid Values: `SOLID | DASHED | DOTTED`

Required: No

BorderThickness

Sets the line thickness of panel borders.

Type: String

Required: No

BorderVisibility

Determines whether or not each panel displays a border.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

GutterSpacing

Sets the total amount of negative space to display between sibling panels.

Type: String

Required: No

GutterVisibility

Determines whether or not negative space between sibling panels is rendered.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Title

Configures the title display within each small multiples panel.

Type: PanelTitleOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PanelTitleOptions

The options that determine the title styles for each small multiples panel.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FontConfiguration

Configures the display properties of the given text.

Type: FontConfiguration object

Required: No

HorizontalTextAlignment

Sets the horizontal text alignment of the title within each panel.

Type: String

Valid Values: `LEFT | CENTER | RIGHT | AUTO`

Required: No

Visibility

Determines whether or not panel titles are displayed.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterControl

The control of a parameter that users can interact with in a dashboard or an analysis.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimePicker

A control from a date parameter that specifies date and time.

Type: ParameterDateTimePickerControl object

Required: No

Dropdown

A control to display a dropdown list with buttons that are used to select a single value.

Type: ParameterDropDownControl object

Required: No

List

A control to display a list with buttons or boxes that are used to select either a single value or multiple values.

Type: ParameterListControl object

Required: No

Slider

A control to display a horizontal toggle bar. This is used to change a value by sliding the toggle.

Type: ParameterSliderControl object

Required: No

TextArea

A control to display a text box that is used to enter multiple entries.

Type: ParameterTextAreaControl object

Required: No

TextField

A control to display a text box that is used to enter a single entry.

Type: ParameterTextFieldControl object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterDateTimePickerControl

A control from a date parameter that specifies date and time.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterControlId

The ID of the `ParameterDateTimePickerControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceParameterName

The name of the `ParameterDateTimePickerControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

Title

The title of the `ParameterDateTimePickerControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DisplayOptions

The display options of a control.

Type: DateTimePickerControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterDeclaration

The declaration definition of a parameter.

For more information, see Parameters in Amazon QuickSight in the *Amazon QuickSight User Guide*.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeParameterDeclaration

A parameter declaration for the `DateTime` data type.

Type: DateTimeParameterDeclaration object

Required: No

DecimalParameterDeclaration

A parameter declaration for the `Decimal` data type.

Type: DecimalParameterDeclaration object

Required: No

IntegerParameterDeclaration

A parameter declaration for the `Integer` data type.

Type: IntegerParameterDeclaration object

Required: No

StringParameterDeclaration

A parameter declaration for the `String` data type.

Type: StringParameterDeclaration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterDropDownControl

A control to display a dropdown list with buttons that are used to select a single value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterControlId

The ID of the `ParameterDropDownControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceParameterName

The source parameter name of the `ParameterDropDownControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

Title

The title of the `ParameterDropDownControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

CascadingControlConfiguration

The values that are displayed in a control can be configured to only show values that are valid based on what's selected in other controls.

Type: CascadingControlConfiguration object

Required: No

CommitMode

The visibility configuration of the Apply button on a `ParameterDropDownControl`.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

DisplayOptions

The display options of a control.

Type: DropDownControlDisplayOptions object

Required: No

SelectableValues

A list of selectable values that are used in a control.

Type: ParameterSelectableValues object

Required: No

Type

The type parameter name of the `ParameterDropDownControl`.

Type: String

Valid Values: `MULTI_SELECT | SINGLE_SELECT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterListControl

A control to display a list with buttons or boxes that are used to select either a single value or multiple values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterControlId

The ID of the `ParameterListControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceParameterName

The source parameter name of the `ParameterListControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

Title

The title of the `ParameterListControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

CascadingControlConfiguration

The values that are displayed in a control can be configured to only show values that are valid based on what's selected in other controls.

Type: CascadingControlConfiguration object

Required: No

DisplayOptions

The display options of a control.

Type: ListControlDisplayOptions object

Required: No

SelectableValues

A list of selectable values that are used in a control.

Type: ParameterSelectableValues object

Required: No

Type

The type of `ParameterListControl`.

Type: String

Valid Values: `MULTI_SELECT | SINGLE_SELECT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

Parameters

A list of Amazon QuickSight parameters and the list's override values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeParameters

The parameters that have a data type of date-time.

Type: Array of DateTimeParameter objects

Array Members: Maximum number of 100 items.

Required: No

DecimalParameters

The parameters that have a data type of decimal.

Type: Array of DecimalParameter objects

Array Members: Maximum number of 100 items.

Required: No

IntegerParameters

The parameters that have a data type of integer.

Type: Array of IntegerParameter objects

Array Members: Maximum number of 100 items.

Required: No

StringParameters

The parameters that have a data type of string.

Type: Array of StringParameter objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterSelectableValues

A list of selectable values that are used in a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LinkToDataSetColumn

The column identifier that fetches values from the data set.

Type: ColumnIdentifier object

Required: No

Values

The values that are used in `ParameterSelectableValues`.

Type: Array of strings

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterSliderControl

A control to display a horizontal toggle bar. This is used to change a value by sliding the toggle.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MaximumValue

The larger value that is displayed at the right of the slider.

Type: Double

Required: Yes

MinimumValue

The smaller value that is displayed at the left of the slider.

Type: Double

Required: Yes

ParameterControlId

The ID of the `ParameterSliderControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceParameterName

The source parameter name of the `ParameterSliderControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

StepSize

The number of increments that the slider bar is divided into.

Type: Double

Required: Yes

Title

The title of the `ParameterSliderControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DisplayOptions

The display options of a control.

Type: SliderControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterTextAreaControl

A control to display a text box that is used to enter multiple entries.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterControlId

The ID of the `ParameterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceParameterName

The source parameter name of the `ParameterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

Title

The title of the `ParameterTextAreaControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

Delimiter

The delimiter that is used to separate the lines in text.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

DisplayOptions

The display options of a control.

Type: TextAreaControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ParameterTextFieldControl

A control to display a text box that is used to enter a single entry.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ParameterControlId

The ID of the `ParameterTextFieldControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

SourceParameterName

The source parameter name of the `ParameterTextFieldControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

Title

The title of the `ParameterTextFieldControl`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

DisplayOptions

The display options of a control.

Type: TextFieldControlDisplayOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PercentageDisplayFormatConfiguration

The options that determine the percentage display format configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DecimalPlacesConfiguration

The option that determines the decimal places configuration.

Type: DecimalPlacesConfiguration object

Required: No

NegativeValueConfiguration

The options that determine the negative value configuration.

Type: NegativeValueConfiguration object

Required: No

NullValueFormatConfiguration

The options that determine the null value format configuration.

Type: NullValueFormatConfiguration object

Required: No

Prefix

Determines the prefix value of the percentage format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

SeparatorConfiguration

The options that determine the numeric separator configuration.

Type: NumericSeparatorConfiguration object

Required: No

Suffix

Determines the suffix value of the percentage format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PercentileAggregation

An aggregation based on the percentile of values in a dimension or measure.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PercentileValue

The percentile value. This value can be any numeric constant 0–100. A percentile value of 50 computes the median value of the measure.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PercentVisibleRange

The percent range in the visible range.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

From

The lower bound of the range.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

To

The top bound of the range.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PerformanceConfiguration

The configuration for the performance optimization of the dataset that contains a `UniqueKey` configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

UniqueKeys

A `UniqueKey` configuration.

Type: Array of UniqueKey objects

Array Members: Fixed number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PeriodOverPeriodComputation

The period over period computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of a computation.

Type: String

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PeriodToDateComputation

The period to date computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of a computation.

Type: String

Required: No

PeriodTimeGranularity

The time granularity setup of period to date computation. Choose from the following options:

- YEAR: Year to date.
- MONTH: Month to date.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PhysicalTable

A view of a data source that contains information about the shape of the data in the underlying source. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomSql

A physical table type built from the results of the custom SQL query.

Type: CustomSql object

Required: No

RelationalTable

A physical table type for relational data sources.

Type: RelationalTable object

Required: No

S3Source

A physical table type for as S3 data source.

Type: S3Source object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PieChartAggregatedFieldWells

The field well configuration of a pie chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The category (group/color) field wells of a pie chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

SmallMultiples

The small multiples field well of a pie chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The value field wells of a pie chart. Values are aggregated based on categories.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PieChartConfiguration

The configuration of a pie chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryLabelOptions

The label options of the group/color that is displayed in a pie chart.

Type: ChartAxisLabelOptions object

Required: No

ContributionAnalysisDefaults

The contribution analysis (anomaly configuration) setup of the visual.

Type: Array of ContributionAnalysisDefault objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: No

DataLabels

The options that determine if visual data labels are displayed.

Type: DataLabelOptions object

Required: No

DonutOptions

The options that determine the shape of the chart. This option determines whether the chart is a pie chart or a donut chart.

Type: DonutOptions object

Required: No

FieldWells

The field wells of the visual.

Type: PieChartFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

SmallMultiplesOptions

The small multiples setup for the visual.

Type: SmallMultiplesOptions object

Required: No

SortConfiguration

The sort configuration of a pie chart.

Type: PieChartSortConfiguration object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

ValueLabelOptions

The label options for the value that is displayed in a pie chart.

Type: ChartAxisLabelOptions object

Required: No

VisualPalette

The palette (chart color) display setup of the visual.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PieChartFieldWells

The field well configuration of a pie chart.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PieChartAggregatedFieldWells

The field well configuration of a pie chart.

Type: PieChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PieChartSortConfiguration

The sort configuration of a pie chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimit

The limit on the number of categories that are displayed in a pie chart.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of the category fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

SmallMultiplesLimitConfiguration

The limit on the number of small multiples panels that are displayed.

Type: ItemsLimitConfiguration object

Required: No

SmallMultiplesSort

The sort configuration of the small multiples field.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PieChartVisual

A pie or donut chart.

The `PieChartVisual` structure describes a visual that is a member of the pie chart family.

The following charts can be described by using this structure:

- Pie charts
- Donut charts

For more information, see Using pie charts in the *Amazon QuickSight User Guide*.

For more information, see Using donut charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a pie chart.

Type: PieChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotFieldSortOptions

The field sort options for a pivot table sort configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID for the field sort options.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

SortBy

The sort by field for the field sort options.

Type: PivotTableSortBy object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableAggregatedFieldWells

The aggregated field well for the pivot table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Columns

The columns field well for a pivot table. Values are grouped by columns fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 40 items.

Required: No

Rows

The rows field well for a pivot table. Values are grouped by rows fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 40 items.

Required: No

Values

The values field well for a pivot table. Values are aggregated based on rows and columns fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 40 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableCellConditionalFormatting

The cell conditional formatting option for a pivot table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID of the cell for conditional formatting.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

Scope

The scope of the cell for conditional formatting.

Type: PivotTableConditionalFormattingScope object

Required: No

Scopes

A list of cell scopes for conditional formatting.

Type: Array of PivotTableConditionalFormattingScope objects

Array Members: Maximum number of 3 items.

Required: No

TextFormat

The text format of the cell for conditional formatting.

Type: TextConditionalFormat object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableConditionalFormatting

The conditional formatting for a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConditionalFormattingOptions

Conditional formatting options for a `PivotTableVisual`.

Type: Array of PivotTableConditionalFormattingOption objects

Array Members: Maximum number of 500 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableConditionalFormattingOption

Conditional formatting options for a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Cell

The cell conditional formatting option for a pivot table.

Type: PivotTableCellConditionalFormatting object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableConditionalFormattingScope

The scope of the cell for conditional formatting.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Role

The role (field, field total, grand total) of the cell for conditional formatting.

Type: String

Valid Values: `FIELD | FIELD_TOTAL | GRAND_TOTAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableConfiguration

The configuration for a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldOptions

The field options for a pivot table visual.

Type: PivotTableFieldOptions object

Required: No

FieldWells

The field wells of the visual.

Type: PivotTableFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

PaginatedReportOptions

The paginated report options for a pivot table visual.

Type: PivotTablePaginatedReportOptions object

Required: No

SortConfiguration

The sort configuration for a `PivotTableVisual`.

Type: PivotTableSortConfiguration object

Required: No

TableOptions

The table options for a pivot table visual.

Type: PivotTableOptions object

Required: No

TotalOptions

The total options for a pivot table visual.

Type: PivotTableTotalOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableDataPathOption

The data path options for the pivot table field options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataPathList

The list of data path values for the data path options.

Type: Array of DataPathValue objects

Array Members: Maximum number of 20 items.

Required: Yes

Width

The width of the data path option.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableFieldCollapseStateOption

The collapse state options for the pivot table field options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Target

A tagged-union object that sets the collapse state.

Type: PivotTableFieldCollapseStateTarget object

Required: Yes

State

The state of the field target of a pivot table. Choose one of the following options:

- `COLLAPSED`
- `EXPANDED`

Type: String

Valid Values: `COLLAPSED | EXPANDED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableFieldCollapseStateTarget

The target of a pivot table field collapse state.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldDataPathValues

The data path of the pivot table's header. Used to set the collapse state.

Type: Array of DataPathValue objects

Array Members: Maximum number of 20 items.

Required: No

FieldId

The field ID of the pivot table that the collapse state needs to be set to.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableFieldOption

The selected field options for the pivot table field options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID of the pivot table field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

CustomLabel

The custom label of the pivot table field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

Visibility

The visibility of the pivot table field.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableFieldOptions

The field options for a pivot table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CollapseStateOptions

The collapse state options for the pivot table field options.

Type: Array of PivotTableFieldCollapseStateOption objects

Required: No

DataPathOptions

The data path options for the pivot table field options.

Type: Array of PivotTableDataPathOption objects

Array Members: Maximum number of 100 items.

Required: No

SelectedFieldOptions

The selected field options for the pivot table field options.

Type: Array of PivotTableFieldOption objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableFieldSubtotalOptions

The optional configuration of subtotals cells.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID of the subtotal options.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableFieldWells

The field wells for a pivot table visual.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PivotTableAggregatedFieldWells

The aggregated field well for the pivot table.

Type: PivotTableAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableOptions

The table options for a pivot table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CellStyle

The table cell style of cells.

Type: TableCellStyle object

Required: No

CollapsedRowDimensionsVisibility

The visibility setting of a pivot table's collapsed row dimension fields. If the value of this structure is `HIDDEN`, all collapsed columns in a pivot table are automatically hidden. The default value is `VISIBLE`.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

ColumnHeaderStyle

The table cell style of the column header.

Type: TableCellStyle object

Required: No

ColumnNamesVisibility

The visibility of the column names.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

DefaultCellWidth

The default cell width of the pivot table.

Type: String

Required: No

MetricPlacement

The metric placement (row, column) options.

Type: String

Valid Values: `ROW | COLUMN`

Required: No

RowAlternateColorOptions

The row alternate color options (widget status, row alternate colors).

Type: RowAlternateColorOptions object

Required: No

RowFieldNamesStyle

The table cell style of row field names.

Type: TableCellStyle object

Required: No

RowHeaderStyle

The table cell style of the row headers.

Type: TableCellStyle object

Required: No

RowsLabelOptions

The options for the label that is located above the row headers. This option is only applicable when `RowsLayout` is set to `HIERARCHY`.

Type: PivotTableRowsLabelOptions object

Required: No

RowsLayout

The layout for the row dimension headers of a pivot table. Choose one of the following options.

- `TABULAR`: (Default) Each row field is displayed in a separate column.
- `HIERARCHY`: All row fields are displayed in a single column. Indentation is used to differentiate row headers of different fields.

Type: String

Valid Values: `TABULAR | HIERARCHY`

Required: No

SingleMetricVisibility

The visibility of the single metric options.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

ToggleButtonsVisibility

Determines the visibility of the pivot table.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTablePaginatedReportOptions

The paginated report options for a pivot table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

OverflowColumnHeaderVisibility

The visibility of the repeating header rows on each page.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

VerticalOverflowVisibility

The visibility of the printing table overflow across pages.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableRowsLabelOptions

The options for the label thta is located above the row headers. This option is only applicable when `RowsLayout` is set to `HIERARCHY`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabel

The custom label string for the rows label.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

Visibility

The visibility of the rows label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableSortBy

The sort by field for the field sort options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column sort (field id, direction) for the pivot table sort by options.

Type: ColumnSort object

Required: No

DataPath

The data path sort (data path value, direction) for the pivot table sort by options.

Type: DataPathSort object

Required: No

Field

The field sort (field id, direction) for the pivot table sort by options.

Type: FieldSort object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

PivotTableSortConfiguration

The sort configuration for a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldSortOptions

The field sort options for a pivot table sort configuration.

Type: Array of PivotFieldSortOptions objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableTotalOptions

The total options for a pivot table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnSubtotalOptions

The column subtotal options.

Type: SubtotalOptions object

Required: No

ColumnTotalOptions

The column total options.

Type: PivotTotalOptions object

Required: No

RowSubtotalOptions

The row subtotal options.

Type: SubtotalOptions object

Required: No

RowTotalOptions

The row total options.

Type: PivotTotalOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTableVisual

A pivot table.

For more information, see Using pivot tables in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: PivotTableConfiguration object

Required: No

ConditionalFormatting

The conditional formatting for a `PivotTableVisual`.

Type: PivotTableConditionalFormatting object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PivotTotalOptions

The optional configuration of totals cells in a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabel

The custom label string for the total cells.

Type: String

Required: No

MetricHeaderCellStyle

The cell styling options for the total of header cells.

Type: TableCellStyle object

Required: No

Placement

The placement (start, end) for the total cells.

Type: String

Valid Values: `START | END | AUTO`

Required: No

ScrollStatus

The scroll status (pinned, scrolled) for the total cells.

Type: String

Valid Values: `PINNED | SCROLLED`

Required: No

TotalAggregationOptions

The total aggregation options for each value field.

Type: Array of TotalAggregationOption objects

Array Members: Maximum number of 200 items.

Required: No

TotalCellStyle

The cell styling options for the total cells.

Type: TableCellStyle object

Required: No

TotalsVisibility

The visibility configuration for the total cells.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

ValueCellStyle

The cell styling options for the totals of value cells.

Type: TableCellStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

PluginVisual

A flexible visualization type that allows engineers to create new custom charts in Amazon QuickSight.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PluginArn

The Amazon Resource Name (ARN) that reflects the plugin and version.

Type: String

Required: Yes

VisualId

The ID of the visual that you want to use.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ChartConfiguration

A description of the plugin field wells and their persisted properties.

Type: PluginVisualConfiguration object

Required: No

Subtitle

The subtitle label options for a visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title label options for a visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualConfiguration

The plugin visual configuration. This includes the field wells, sorting options, and persisted options of the plugin visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldWells

The field wells configuration of the plugin visual.

Type: Array of PluginVisualFieldWell objects

Array Members: Maximum number of 10 items.

Required: No

SortConfiguration

The sort configuration of the plugin visual.

Type: PluginVisualSortConfiguration object

Required: No

VisualOptions

The persisted properties of the plugin visual.

Type: PluginVisualOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualFieldWell

A collection of field wells for a plugin visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisName

The semantic axis name for the field well.

Type: String

Valid Values: `GROUP_BY | VALUE`

Required: No

Dimensions

A list of dimensions for the field well.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Measures

A list of measures that exist in the field well.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

Unaggregated

A list of unaggregated fields that exist in the field well.

Type: Array of UnaggregatedField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualItemsLimitConfiguration

A query limits configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ItemsLimit

Determines how many values are be fetched at once.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualOptions

The options and persisted properties for the plugin visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualProperties

The persisted properties and their values.

Type: Array of PluginVisualProperty objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualProperty

The key value pair of the persisted property.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the plugin visual property.

Type: String

Required: No

Value

The value of the plugin visual property.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualSortConfiguration

Determines how the plugin visual sorts the data during query.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PluginVisualTableQuerySort

The table query sorting options for the plugin visual.

Type: PluginVisualTableQuerySort object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PluginVisualTableQuerySort

The table query sorting options for the plugin visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ItemsLimitConfiguration

The maximum amount of data to be returned by a query.

Type: PluginVisualItemsLimitConfiguration object

Required: No

RowSort

Determines how data is sorted in the response.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PostgreSqlParameters

The parameters for PostgreSQL.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PredefinedHierarchy

The option that determines the hierarchy of the fields that are defined during data preparation. These fields are available to use in any analysis that uses the data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Columns

The list of columns that define the predefined hierarchy.

Type: Array of ColumnIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

HierarchyId

The hierarchy ID of the predefined hierarchy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

DrillDownFilters

The option that determines the drill down filters for the predefined hierarchy.

Type: Array of DrillDownFilter objects

Array Members: Maximum number of 10 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

PrestoParameters

The parameters for Presto.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Catalog

Catalog.

Type: String

Length Constraints: Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ProgressBarOptions

The options that determine the presentation of the progress bar of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility of the progress bar.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ProjectOperation

A transform operation that projects columns. Operations that come after a projection can only refer to projected columns.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ProjectedColumns

Projected columns.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2000 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

QAResult

The QA result that is made from the `DashboardVisual` or `GeneratedAnswer`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DashboardVisual

The representation of a dashboard visual result.

Type: DashboardVisualResult object

Required: No

GeneratedAnswer

The representation of a generated answer result.

Type: GeneratedAnswerResult object

Required: No

ResultType

The type of QA result.

Type: String

Valid Values: `DASHBOARD_VISUAL | GENERATED_ANSWER | NO_ANSWER`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

QueryExecutionOptions

A structure that describes the query execution options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

QueryExecutionMode

A structure that describes the query execution mode.

Type: String

Valid Values: `AUTO | MANUAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

QueueInfo

Information about a queued dataset SPICE ingestion.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

QueuedIngestion

The ID of the ongoing ingestion. The queued ingestion is waiting for the ongoing ingestion to complete.

Type: String

Required: Yes

WaitingOnIngestion

The ID of the queued ingestion.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartAggregatedFieldWells

The aggregated field well configuration of a `RadarChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The aggregated field well categories of a radar chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Color

The color that are assigned to the aggregated field wells of a radar chart.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Values

The values that are assigned to the aggregated field wells of a radar chart.

Type: Array of MeasureField objects

Array Members: Maximum number of 20 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartAreaStyleSettings

The configured style settings of a radar chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility settings of a radar chart.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartConfiguration

The configuration of a `RadarChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AlternateBandColorsVisibility

Determines the visibility of the colors of alternatign bands in a radar chart.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

AlternateBandEvenColor

The color of the even-numbered alternate bands of a radar chart.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

AlternateBandOddColor

The color of the odd-numbered alternate bands of a radar chart.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

AxesRangeScale

The axis behavior options of a radar chart.

Type: String

Valid Values: `AUTO | INDEPENDENT | SHARED`

Required: No

BaseSeriesSettings

The base sreies settings of a radar chart.

Type: RadarChartSeriesSettings object

Required: No

CategoryAxis

The category axis of a radar chart.

Type: AxisDisplayOptions object

Required: No

CategoryLabelOptions

The category label options of a radar chart.

Type: ChartAxisLabelOptions object

Required: No

ColorAxis

The color axis of a radar chart.

Type: AxisDisplayOptions object

Required: No

ColorLabelOptions

The color label options of a radar chart.

Type: ChartAxisLabelOptions object

Required: No

FieldWells

The field well configuration of a `RadarChartVisual`.

Type: RadarChartFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

Shape

The shape of the radar chart.

Type: String

Valid Values: `CIRCLE | POLYGON`

Required: No

SortConfiguration

The sort configuration of a `RadarChartVisual`.

Type: RadarChartSortConfiguration object

Required: No

StartAngle

The start angle of a radar chart's axis.

Type: Double

Valid Range: Minimum value of -360. Maximum value of 360.

Required: No

VisualPalette

The palette (chart color) display setup of the visual.

Type: VisualPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartFieldWells

The field wells of a radar chart visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RadarChartAggregatedFieldWells

The aggregated field wells of a radar chart visual.

Type: RadarChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartSeriesSettings

The series settings of a radar chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AreaStyleSettings

The area style settings of a radar chart.

Type: RadarChartAreaStyleSettings object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartSortConfiguration

The sort configuration of a `RadarChartVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimit

The category items limit for a radar chart.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The category sort options of a radar chart.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

ColorItemsLimit

The color items limit of a radar chart.

Type: ItemsLimitConfiguration object

Required: No

ColorSort

The color sort configuration of a radar chart.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RadarChartVisual

A radar chart visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: RadarChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RangeConstant

A structure that represents a range constant.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Maximum

The maximum value for a range constant.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Minimum

The minimum value for a range constant.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RangeEndsLabelType

The range ends label type of a data path label.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility of the range ends label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RdsParameters

The parameters for Amazon RDS.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

InstanceId

Instance ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RecentSnapshotsConfigurations

The recent snapshots configuration for an embedded Amazon QuickSight dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The recent snapshots configuration for an embedded Amazon QuickSight dashboard.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RedshiftIAMParameters

A structure that grants Amazon QuickSight access to your cluster and make a call to the `redshift:GetClusterCredentials` API. For more information on the `redshift:GetClusterCredentials` API, see `GetClusterCredentials`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RoleArn

Use the `RoleArn` structure to allow Amazon QuickSight to call `redshift:GetClusterCredentials` on your cluster. The calling principal must have `iam:PassRole` access to pass the role to Amazon QuickSight. The role's trust policy must allow the Amazon QuickSight service principal to assume the role.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Required: Yes

AutoCreateDatabaseUser

Automatically creates a database user. If your database doesn't have a `DatabaseUser`, set this parameter to `True`. If there is no `DatabaseUser`, Amazon QuickSight can't connect to your cluster. The `RoleArn` that you use for this operation must grant access to `redshift:CreateClusterUser` to successfully create the user.

Type: Boolean

Required: No

DatabaseGroups

A list of groups whose permissions will be granted to Amazon QuickSight to access the cluster. These permissions are combined with the permissions granted to Amazon QuickSight by the

`DatabaseUser`. If you choose to include this parameter, the `RoleArn` must grant access to `redshift:JoinGroup`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

DatabaseUser

The user whose permissions and group memberships will be used by Amazon QuickSight to access the cluster. If this user already exists in your database, Amazon QuickSight is granted the same permissions that the user has. If the user doesn't exist, set the value of `AutoCreateDatabaseUser` to `True` to create a new user with PUBLIC permissions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RedshiftParameters

The parameters for Amazon Redshift. The `ClusterId` field can be blank if `Host` and `Port` are both set. The `Host` and `Port` fields can be blank if the `ClusterId` field is set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

ClusterId

Cluster ID. This field can be blank if the `Host` and `Port` are provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Host

Host. This field can be blank if `ClusterId` is provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

IAMParameters

An optional parameter that uses IAM authentication to grant Amazon QuickSight access to your cluster. This parameter can be used instead of DataSourceCredentials.

Type: RedshiftIAMParameters object

Required: No

IdentityCenterConfiguration

An optional parameter that configures IAM Identity Center authentication to grant Amazon QuickSight access to your cluster.

This parameter can only be specified if your Amazon QuickSight account is configured with IAM Identity Center.

Type: IdentityCenterConfiguration object

Required: No

Port

Port. This field can be blank if the `ClusterId` is provided.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 65535.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLine

The reference line visual display options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataConfiguration

The data configuration of the reference line.

Type: ReferenceLineDataConfiguration object

Required: Yes

LabelConfiguration

The label configuration of the reference line.

Type: ReferenceLineLabelConfiguration object

Required: No

Status

The status of the reference line. Choose one of the following options:

- `ENABLE`
- `DISABLE`

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

StyleConfiguration

The style configuration of the reference line.

Type: ReferenceLineStyleConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLineCustomLabelConfiguration

The configuration for a custom label on a `ReferenceLine`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabel

The string text of the custom label.

Type: String

Pattern: `.*\S.*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLineDataConfiguration

The data configuration of the reference line.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AxisBinding

The axis binding type of the reference line. Choose one of the following options:

- `PrimaryY`
- `SecondaryY`

Type: String

Valid Values: `PRIMARY_YAXIS | SECONDARY_YAXIS`

Required: No

DynamicConfiguration

The dynamic configuration of the reference line data configuration.

Type: ReferenceLineDynamicDataConfiguration object

Required: No

SeriesType

The series type of the reference line data configuration. Choose one of the following options:

- `BAR`
- `LINE`

Type: String

Valid Values: `BAR | LINE`

Required: No

StaticConfiguration

The static data configuration of the reference line data configuration.

Type: ReferenceLineStaticDataConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLineDynamicDataConfiguration

The dynamic configuration of the reference line data configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Calculation

The calculation that is used in the dynamic data.

Type: NumericalAggregationFunction object

Required: Yes

Column

The column that the dynamic data targets.

Type: ColumnIdentifier object

Required: Yes

MeasureAggregationFunction

The aggregation function that is used in the dynamic data.

Type: AggregationFunction object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ReferenceLineLabelConfiguration

The label configuration of a reference line.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabelConfiguration

The custom label configuration of the label in a reference line.

Type: ReferenceLineCustomLabelConfiguration object

Required: No

FontColor

The font color configuration of the label in a reference line.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

FontConfiguration

The font configuration of the label in a reference line.

Type: FontConfiguration object

Required: No

HorizontalPosition

The horizontal position configuration of the label in a reference line. Choose one of the following options:

- `LEFT`
- `CENTER`

- `RIGHT`

Type: String

Valid Values: `LEFT | CENTER | RIGHT`

Required: No

ValueLabelConfiguration

The value label configuration of the label in a reference line.

Type: ReferenceLineValueLabelConfiguration object

Required: No

VerticalPosition

The vertical position configuration of the label in a reference line. Choose one of the following options:

- `ABOVE`
- `BELOW`

Type: String

Valid Values: `ABOVE | BELOW`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLineStaticDataConfiguration

The static data configuration of the reference line data configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Value

The double input of the static data.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLineStyleConfiguration

The style configuration of the reference line.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The hex color of the reference line.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Pattern

The pattern type of the line style. Choose one of the following options:

- `SOLID`
- `DASHED`
- `DOTTED`

Type: String

Valid Values: `SOLID | DASHED | DOTTED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ReferenceLineValueLabelConfiguration

The value label configuration of the label in a reference line.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FormatConfiguration

The format configuration of the value label.

Type: NumericFormatConfiguration object

Required: No

RelativePosition

The relative position of the value label. Choose one of the following options:

- `BEFORE_CUSTOM_LABEL`
- `AFTER_CUSTOM_LABEL`

Type: String

Valid Values: `BEFORE_CUSTOM_LABEL | AFTER_CUSTOM_LABEL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RefreshConfiguration

The refresh configuration of a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

IncrementalRefresh

The incremental refresh for the dataset.

Type: IncrementalRefresh object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RefreshFailureConfiguration

The failure configuration of a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

EmailAlert

The email alert configuration for a dataset refresh failure.

Type: RefreshFailureEmailAlert object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RefreshFailureEmailAlert

The configuration settings for the email alerts that are sent when a dataset refresh fails.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AlertStatus

The status value that determines if email alerts are sent.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RefreshFrequency

Specifies the interval between each scheduled refresh of a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Interval

The interval between scheduled refreshes. Valid values are as follows:

- `MINUTE15`: The dataset refreshes every 15 minutes. This value is only supported for incremental refreshes. This interval can only be used for one schedule per dataset.
- `MINUTE30`:The dataset refreshes every 30 minutes. This value is only supported for incremental refreshes. This interval can only be used for one schedule per dataset.
- `HOURLY`: The dataset refreshes every hour. This interval can only be used for one schedule per dataset.
- `DAILY`: The dataset refreshes every day.
- `WEEKLY`: The dataset refreshes every week.
- `MONTHLY`: The dataset refreshes every month.

Type: String

Valid Values: `MINUTE15 | MINUTE30 | HOURLY | DAILY | WEEKLY | MONTHLY`

Required: Yes

RefreshOnDay

The day of the week that you want to schedule the refresh on. This value is required for weekly and monthly refresh intervals.

Type: ScheduleRefreshOnEntity object

Required: No

TimeOfTheDay

The time of day that you want the datset to refresh. This value is expressed in HH:MM format. This field is not required for schedules that refresh hourly.

Type: String

Required: No

Timezone

The timezone that you want the refresh schedule to use. The timezone ID must match a corresponding ID found on `java.util.time.getAvailableIDs()`.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RefreshSchedule

The refresh schedule of a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RefreshType

The type of refresh that a datset undergoes. Valid values are as follows:

- `FULL_REFRESH`: A complete refresh of a dataset.
- `INCREMENTAL_REFRESH`: A partial refresh of some rows of a dataset, based on the time window specified.

For more information on full and incremental refreshes, see Refreshing SPICE data in the *Amazon QuickSight User Guide*.

Type: String

Valid Values: `INCREMENTAL_REFRESH | FULL_REFRESH`

Required: Yes

ScheduleFrequency

The frequency for the refresh schedule.

Type: RefreshFrequency object

Required: Yes

ScheduleId

An identifier for the refresh schedule.

Type: String

Required: Yes

Arn

The Amazon Resource Name (ARN) for the refresh schedule.

Type: String

Required: No

StartAfterDateTime

Time after which the refresh schedule can be started, expressed in `YYYY-MM-DDTHH:MM:SS` format.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredCustomerManagedKey

A customer managed key structure that contains the information listed below:

- `KeyArn` - The ARN of a Amazon KMS key that is registered to a Amazon QuickSight account for encryption and decryption use.
- `DefaultKey` - Indicates whether the current key is set as the default key for encryption and decryption use.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DefaultKey

Indicates whether a `RegisteredCustomerManagedKey` is set as the default key for encryption and decryption use.

Type: Boolean

Required: No

KeyArn

The ARN of the Amazon KMS key that is registered to a Amazon QuickSight account for encryption and decryption use.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserConsoleFeatureConfigurations

The feature configurations of an embedded Amazon QuickSight console.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AmazonQInQuickSight

The Amazon Q configurations of an embedded Amazon QuickSight console.

Type: AmazonQInQuickSightConsoleConfigurations object

Required: No

RecentSnapshots

The recent snapshots configuration for an embedded Amazon QuickSight dashboard.

Type: RecentSnapshotsConfigurations object

Required: No

Schedules

The schedules configuration for an embedded Amazon QuickSight dashboard.

Type: SchedulesConfigurations object

Required: No

SharedView

The shared view settings of an embedded dashboard.

Type: SharedViewConfigurations object

Required: No

StatePersistence

The state persistence configurations of an embedded Amazon QuickSight console.

Type: StatePersistenceConfigurations object

Required: No

ThresholdAlerts

The threshold alerts configuration for an embedded Amazon QuickSight dashboard.

Type: ThresholdAlertsConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserDashboardEmbeddingConfiguration

Information about the dashboard you want to embed.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialDashboardId

The dashboard ID for the dashboard that you want the user to see first. This ID is included in the output URL. When the URL in response is accessed, Amazon QuickSight renders this dashboard if the user has permissions to view it.

If the user does not have permission to view this dashboard, they see a permissions error message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

FeatureConfigurations

The feature configurations of an embbedded Amazon QuickSight dashboard.

Type: RegisteredUserDashboardFeatureConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserDashboardFeatureConfigurations

The feature configuration for an embedded dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AmazonQInQuickSight

The Amazon Q configurations of an embedded Amazon QuickSight dashboard.

Type: AmazonQInQuickSightDashboardConfigurations object

Required: No

Bookmarks

The bookmarks configuration for an embedded dashboard in Amazon QuickSight.

Type: BookmarksConfigurations object

Required: No

RecentSnapshots

The recent snapshots configuration for an Amazon QuickSight embedded dashboard

Type: RecentSnapshotsConfigurations object

Required: No

Schedules

The schedules configuration for an embedded Amazon QuickSight dashboard.

Type: SchedulesConfigurations object

Required: No

SharedView

The shared view settings of an embedded dashboard.

Type: SharedViewConfigurations object

Required: No

StatePersistence

The state persistence settings of an embedded dashboard.

Type: StatePersistenceConfigurations object

Required: No

ThresholdAlerts

The threshold alerts configuration for an Amazon QuickSight embedded dashboard.

Type: ThresholdAlertsConfigurations object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserDashboardVisualEmbeddingConfiguration

The experience that you are embedding. You can use this object to generate a url that embeds a visual into your application.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialDashboardVisualId

The visual ID for the visual that you want the user to embed. This ID is included in the output URL. When the URL in response is accessed, Amazon QuickSight renders this visual.

The Amazon Resource Name (ARN) of the dashboard that the visual belongs to must be included in the `AuthorizedResourceArns` parameter. Otherwise, the request will fail with `InvalidParameterValueException`.

Type: DashboardVisualId object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserEmbeddingExperienceConfiguration

The type of experience you want to embed. For registered users, you can embed Amazon QuickSight dashboards or the Amazon QuickSight console.

> **Note**
>
> Exactly one of the experience configurations is required. You can choose `Dashboard` or `QuickSightConsole`. You cannot choose more than one experience configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Dashboard

The configuration details for providing a dashboard embedding experience.

Type: RegisteredUserDashboardEmbeddingConfiguration object

Required: No

DashboardVisual

The type of embedding experience. In this case, Amazon QuickSight visuals.

Type: RegisteredUserDashboardVisualEmbeddingConfiguration object

Required: No

GenerativeQnA

The configuration details for embedding the Generative Q&A experience.

For more information about embedding the Generative Q&A experience, see Embedding Overview in the *Amazon QuickSight User Guide*.

Type: RegisteredUserGenerativeQnAEmbeddingConfiguration object

Required: No

QSearchBar

The configuration details for embedding the Q search bar.

For more information about embedding the Q search bar, see Embedding Overview in the *Amazon QuickSight User Guide*.

Type: RegisteredUserQSearchBarEmbeddingConfiguration object

Required: No

QuickSightConsole

The configuration details for providing each Amazon QuickSight console embedding experience. This can be used along with custom permissions to restrict access to certain features. For more information, see Customizing Access to the Amazon QuickSight Console in the *Amazon QuickSight User Guide*.

Use `GenerateEmbedUrlForRegisteredUser` where you want to provide an authoring portal that allows users to create data sources, datasets, analyses, and dashboards. The users who accesses an embedded Amazon QuickSight console needs to belong to the author or admin security cohort. If you want to restrict permissions to some of these features, add a custom permissions profile to the user with the `UpdateUser` API operation. Use the `RegisterUser` API operation to add a new user with a custom permission profile attached. For more information, see the following sections in the *Amazon QuickSight User Guide*:

- Embedding the Full Functionality of the Amazon QuickSight Console for Authenticated Users
- Customizing Access to the Amazon QuickSight Console

For more information about the high-level steps for embedding and for an interactive demo of the ways you can customize embedding, visit the Amazon QuickSight Developer Portal.

Type: RegisteredUserQuickSightConsoleEmbeddingConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserGenerativeQnAEmbeddingConfiguration

An object that provides information about the configuration of a Generative Q&A experience.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialTopicId

The ID of the new Q reader experience topic that you want to make the starting topic in the Generative Q&A experience. You can find a topic ID by navigating to the Topics pane in the Amazon QuickSight application and opening a topic. The ID is in the URL for the topic that you open.

If you don't specify an initial topic or you specify a legacy topic, a list of all shared new reader experience topics is shown in the Generative Q&A experience for your readers. When you select an initial new reader experience topic, you can specify whether or not readers are allowed to select other new reader experience topics from the available ones in the list.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserQSearchBarEmbeddingConfiguration

Information about the Q search bar embedding experience.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InitialTopicId

The ID of the legacy Q topic that you want to use as the starting topic in the Q search bar. To locate the topic ID of the topic that you want to use, open the Amazon QuickSight console, navigate to the **Topics** pane, and choose thre topic that you want to use. The `TopicID` is located in the URL of the topic that opens. When you select an initial topic, you can specify whether or not readers are allowed to select other topics from the list of available topics.

If you don't specify an initial topic or if you specify a new reader experience topic, a list of all shared legacy topics is shown in the Q bar.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RegisteredUserQuickSightConsoleEmbeddingConfiguration

Information about the Amazon QuickSight console that you want to embed.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FeatureConfigurations

The embedding configuration of an embedded Amazon QuickSight console.

Type: RegisteredUserConsoleFeatureConfigurations object

Required: No

InitialPath

The initial URL path for the Amazon QuickSight console. `InitialPath` is required.

The entry point URL is constrained to the following paths:

- `/start`
- `/start/analyses`
- `/start/dashboards`
- `/start/favorites`
- `/dashboards/DashboardId`. *DashboardId* is the actual ID key from the Amazon QuickSight console URL of the dashboard.
- `/analyses/AnalysisId`. *AnalysisId* is the actual ID key from the Amazon QuickSight console URL of the analysis.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RelationalTable

A physical table type for relational data sources.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSourceArn

The Amazon Resource Name (ARN) for the data source.

Type: String

Required: Yes

InputColumns

The column schema of the table.

Type: Array of InputColumn objects

Array Members: Minimum number of 1 item. Maximum number of 2048 items.

Required: Yes

Name

The name of the relational table.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Catalog

The catalog associated with a table.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Schema

The schema name. This name applies to certain relational database engines.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RelativeDatesFilter

A `RelativeDatesFilter` filters relative dates values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnchorDateConfiguration

The date configuration of the filter.

Type: AnchorDateConfiguration object

Required: Yes

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

NullOption

This option determines how null values should be treated when filtering data.

- `ALL_VALUES`: Include null values in filtered results.

- NULLS_ONLY: Only include null values in filtered results.
- NON_NULLS_ONLY: Exclude null values from filtered results.

Type: String

Valid Values: ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY

Required: Yes

RelativeDateType

The range date type of the filter. Choose one of the options below:

- PREVIOUS
- THIS
- LAST
- NOW
- NEXT

Type: String

Valid Values: PREVIOUS | THIS | LAST | NOW | NEXT

Required: Yes

TimeGranularity

The level of time precision that is used to aggregate DateTime values.

Type: String

Valid Values: YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND

Required: Yes

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

ExcludePeriodConfiguration

The configuration for the exclude period of the filter.

Type: ExcludePeriodConfiguration object

Required: No

MinimumGranularity

The minimum granularity (period granularity) of the relative dates filter.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

ParameterName

The parameter whose value should be used for the filter value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

RelativeDateValue

The date value of the filter.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RelativeDateTimeControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DateTimeFormat

Customize how dates are formatted in controls.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RenameColumnOperation

A transform operation that renames a column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

The name of the column to be renamed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

NewColumnName

The new name for the column.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ResourcePermission

Permission for the resource.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Actions

The IAM action to grant or revoke permissions on.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

Principal

The Amazon Resource Name (ARN) of the principal. This can be one of the following:

- The ARN of an Amazon QuickSight user or group associated with a data source or dataset. (This is common.)
- The ARN of an Amazon QuickSight user, group, or namespace associated with an analysis, dashboard, template, or theme. (This is common.)
- The ARN of an Amazon account root: This is an IAM ARN rather than a QuickSight ARN. Use this option only to share resources (templates) across Amazon accounts. (This is less common.)

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RollingDateConfiguration

The rolling date configuration of a date time filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Expression

The expression of the rolling date configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

DataSetIdentifier

The data set that is used in the rolling date configuration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RowAlternateColorOptions

Determines the row alternate color options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RowAlternateColors

Determines the list of row alternate colors.

Type: Array of strings

Array Members: Maximum number of 1 item.

Pattern: `^#[A-F0-9]{6}$`

Required: No

Status

Determines the widget status.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

UsePrimaryBackgroundColor

The primary background color options for alternate rows.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RowInfo

Information about rows for a data set SPICE ingestion.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RowsDropped

The number of rows that were not ingested.

Type: Long

Required: No

RowsIngested

The number of rows that were ingested.

Type: Long

Required: No

TotalRowsInDataset

The total number of rows in the dataset.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

RowLevelPermissionDataSet

Information about a dataset that contains permissions for row-level security (RLS). The permissions dataset maps fields to users or groups. For more information, see Using Row-Level Security (RLS) to Restrict Access to a Dataset in the *Amazon QuickSight User Guide*.

The option to deny permissions by setting `PermissionPolicy` to `DENY_ACCESS` is not supported for new RLS datasets.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the dataset that contains permissions for RLS.

Type: String

Required: Yes

PermissionPolicy

The type of permissions to use when interpreting the permissions for RLS. `DENY_ACCESS` is included for backward compatibility only.

Type: String

Valid Values: `GRANT_ACCESS | DENY_ACCESS`

Required: Yes

FormatVersion

The user or group rules associated with the dataset that contains permissions for RLS.

By default, `FormatVersion` is `VERSION_1`. When `FormatVersion` is `VERSION_1`, `UserName` and `GroupName` are required. When `FormatVersion` is `VERSION_2`, `UserARN` and `GroupARN` are required, and `Namespace` must not exist.

Type: String

Valid Values: `VERSION_1 | VERSION_2`

Required: No

Namespace

The namespace associated with the dataset that contains permissions for RLS.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `^[a-zA-Z0-9._-]*$`

Required: No

Status

The status of the row-level security permission dataset. If enabled, the status is `ENABLED`. If disabled, the status is `DISABLED`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RowLevelPermissionTagConfiguration

The configuration of tags on a dataset to set row-level security.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TagRules

A set of rules associated with row-level security, such as the tag names and columns that they are assigned to.

Type: Array of RowLevelPermissionTagRule objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Status

The status of row-level security tags. If enabled, the status is `ENABLED`. If disabled, the status is `DISABLED`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

TagRuleConfigurations

A list of tag configuration rules to apply to a dataset. All tag configurations have the OR condition. Tags within each tile will be joined (AND). At least one rule in this structure must have all tag values assigned to it to apply Row-level security (RLS) to the dataset.

Type: Array of arrays of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

RowLevelPermissionTagRule

A set of rules associated with a tag.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

The column name that a tag key is assigned to.

Type: String

Required: Yes

TagKey

The unique key for a tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

MatchAllValue

A string that you want to use to filter by all the values in a column in the dataset and don't want to list the values one by one. For example, you can use an asterisk as your match all value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

TagMultiValueDelimiter

A string that you want to use to delimit the values when you pass the values at run time. For example, you can delimit the values with a comma.

Type: String

Length Constraints: Maximum length of 10.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

S3BucketConfiguration

An optional structure that contains the Amazon S3 bucket configuration that the generated snapshots are stored in. If you don't provide this information, generated snapshots are stored in the default Amazon QuickSight bucket.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BucketName

The name of an existing Amazon S3 bucket where the generated snapshot artifacts are sent.

Type: String

Pattern: `.*\S.*`

Required: Yes

BucketPrefix

The prefix of the Amazon S3 bucket that the generated snapshots are stored in.

Type: String

Pattern: `.*\S.*`

Required: Yes

BucketRegion

The region that the Amazon S3 bucket is located in. The bucket must be located in the same region that the `StartDashboardSnapshotJob` API call is made.

Type: String

Pattern: `.*\S.*`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

S3Parameters

The parameters for S3.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ManifestFileLocation

Location of the Amazon S3 manifest file. This is NULL if the manifest file was uploaded into Amazon QuickSight.

Type: ManifestFileLocation object

Required: Yes

RoleArn

Use the `RoleArn` structure to override an account-wide role for a specific S3 data source. For example, say an account administrator has turned off all S3 access with an account-wide role. The administrator can then use `RoleArn` to bypass the account-wide role and allow S3 access for the single S3 data source that is specified in the structure, even if the account-wide role forbidding S3 access is still active.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

S3Source

A physical table type for an S3 data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSourceArn

The Amazon Resource Name (ARN) for the data source.

Type: String

Required: Yes

InputColumns

A physical table type for an S3 data source.

> **Note**
>
> For files that aren't JSON, only `STRING` data types are supported in input columns.

Type: Array of InputColumn objects

Array Members: Minimum number of 1 item. Maximum number of 2048 items.

Required: Yes

UploadSettings

Information about the format for the S3 source file or files.

Type: UploadSettings object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SameSheetTargetVisualConfiguration

The configuration of the same-sheet target visuals that you want to be filtered.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TargetVisualOptions

The options that choose the target visual in the same sheet.

Valid values are defined as follows:

- `ALL_VISUALS`: Applies the filter operation to all visuals in the same sheet.

Type: String

Valid Values: `ALL_VISUALS`

Required: No

TargetVisuals

A list of the target visual IDs that are located in the same sheet of the analysis.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SankeyDiagramAggregatedFieldWells

The field well configuration of a sankey diagram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Destination

The destination field wells of a sankey diagram.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Source

The source field wells of a sankey diagram.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Weight

The weight field wells of a sankey diagram.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SankeyDiagramChartConfiguration

The configuration of a sankey diagram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataLabels

The data label configuration of a sankey diagram.

Type: DataLabelOptions object

Required: No

FieldWells

The field well configuration of a sankey diagram.

Type: SankeyDiagramFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

SortConfiguration

The sort configuration of a sankey diagram.

Type: SankeyDiagramSortConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SankeyDiagramFieldWells

The field well configuration of a sankey diagram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SankeyDiagramAggregatedFieldWells

The field well configuration of a sankey diagram.

Type: SankeyDiagramAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SankeyDiagramSortConfiguration

The sort configuration of a sankey diagram.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DestinationItemsLimit

The limit on the number of destination nodes that are displayed in a sankey diagram.

Type: ItemsLimitConfiguration object

Required: No

SourceItemsLimit

The limit on the number of source nodes that are displayed in a sankey diagram.

Type: ItemsLimitConfiguration object

Required: No

WeightSort

The sort configuration of the weight fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SankeyDiagramVisual

A sankey diagram.

For more information, see Using Sankey diagrams in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration of a sankey diagram.

Type: SankeyDiagramChartConfiguration object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScatterPlotCategoricallyAggregatedFieldWells

The aggregated field well of a scatter plot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The category field well of a scatter plot.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Label

The label field well of a scatter plot.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Size

The size field well of a scatter plot.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

XAxis

The x-axis field well of a scatter plot.

The x-axis is aggregated by category.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

YAxis

The y-axis field well of a scatter plot.

The y-axis is aggregated by category.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScatterPlotConfiguration

The configuration of a scatter plot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataLabels

The options that determine if visual data labels are displayed.

Type: DataLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: ScatterPlotFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

SortConfiguration

The sort configuration of a scatter plot.

Type: ScatterPlotSortConfiguration object

Required: No

Tooltip

The legend display setup of the visual.

Type: TooltipOptions object

Required: No

VisualPalette

The palette (chart color) display setup of the visual.

Type: VisualPalette object

Required: No

XAxisDisplayOptions

The label display options (grid line, range, scale, and axis step) of the scatter plot's x-axis.

Type: AxisDisplayOptions object

Required: No

XAxisLabelOptions

The label options (label text, label visibility, and sort icon visibility) of the scatter plot's x-axis.

Type: ChartAxisLabelOptions object

Required: No

YAxisDisplayOptions

The label display options (grid line, range, scale, and axis step) of the scatter plot's y-axis.

Type: AxisDisplayOptions object

Required: No

YAxisLabelOptions

The label options (label text, label visibility, and sort icon visibility) of the scatter plot's y-axis.

Type: ChartAxisLabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScatterPlotFieldWells

The field well configuration of a scatter plot.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ScatterPlotCategoricallyAggregatedFieldWells

The aggregated field wells of a scatter plot. The x and y-axes of scatter plots with aggregated field wells are aggregated by category, label, or both.

Type: ScatterPlotCategoricallyAggregatedFieldWells object

Required: No

ScatterPlotUnaggregatedFieldWells

The unaggregated field wells of a scatter plot. The x and y-axes of these scatter plots are unaggregated.

Type: ScatterPlotUnaggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScatterPlotSortConfiguration

The sort configuration of a scatter plot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ScatterPlotLimitConfiguration

The limit configuration of the visual display for an axis.

Type: ItemsLimitConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScatterPlotUnaggregatedFieldWells

The unaggregated field wells of a scatter plot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Category

The category field well of a scatter plot.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Label

The label field well of a scatter plot.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Size

The size field well of a scatter plot.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

XAxis

The x-axis field well of a scatter plot.

The x-axis is a dimension field and cannot be aggregated.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

YAxis

The y-axis field well of a scatter plot.

The y-axis is a dimension field and cannot be aggregated.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScatterPlotVisual

A scatter plot.

For more information, see Using scatter plots in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: ScatterPlotConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScheduleRefreshOnEntity

The refresh on entity for weekly or monthly schedules.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DayOfMonth

The day of the month that you want to schedule refresh on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 17.

Pattern: `^(?:LAST_DAY_OF_MONTH|1[0-9]|2[0-8]|[12]|[3-9])$`

Required: No

DayOfWeek

The day of the week that you want to schedule a refresh on.

Type: String

Valid Values: `SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

SchedulesConfigurations

The schedules configuration for an embedded Amazon QuickSight dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The schedules configuration for an embedded Amazon QuickSight dashboard.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ScrollBarOptions

The visual display options for a data zoom scroll bar.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility of the data zoom scroll bar.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

VisibleRange

The visibility range for the data zoom scroll bar.

Type: VisibleRangeOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SecondaryValueOptions

The options that determine the presentation of the secondary value of a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

Determines the visibility of the secondary value.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionAfterPageBreak

The configuration of a page break after a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Status

The option that enables or disables a page break at the end of a section.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionBasedLayoutCanvasSizeOptions

The options for the canvas of a section-based layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PaperCanvasSizeOptions

The options for a paper canvas of a section-based layout.

Type: SectionBasedLayoutPaperCanvasSizeOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionBasedLayoutConfiguration

The configuration for a section-based layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BodySections

A list of body section configurations.

Type: Array of BodySectionConfiguration objects

Array Members: Maximum number of 28 items.

Required: Yes

CanvasSizeOptions

The options for the canvas of a section-based layout.

Type: SectionBasedLayoutCanvasSizeOptions object

Required: Yes

FooterSections

A list of footer section configurations.

Type: Array of HeaderFooterSectionConfiguration objects

Array Members: Maximum number of 1 item.

Required: Yes

HeaderSections

A list of header section configurations.

Type: Array of HeaderFooterSectionConfiguration objects

Array Members: Maximum number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionBasedLayoutPaperCanvasSizeOptions

The options for a paper canvas of a section-based layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PaperMargin

Defines the spacing between the canvas content and the top, bottom, left, and right edges.

Type: Spacing object

Required: No

PaperOrientation

The paper orientation that is used to define canvas dimensions. Choose one of the following options:

- PORTRAIT
- LANDSCAPE

Type: String

Valid Values: `PORTRAIT | LANDSCAPE`

Required: No

PaperSize

The paper size that is used to define canvas dimensions.

Type: String

Valid Values: `US_LETTER | US_LEGAL | US_TABLOID_LEDGER | A0 | A1 | A2 | A3 | A4 | A5 | JIS_B4 | JIS_B5`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionLayoutConfiguration

The layout configuration of a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FreeFormLayout

The free-form layout configuration of a section.

Type: FreeFormSectionLayoutConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionPageBreakConfiguration

The configuration of a page break for a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

After

The configuration of a page break after a section.

Type: SectionAfterPageBreak object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SectionStyle

The options that style a section.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Height

The height of a section.

Heights can only be defined for header and footer sections. The default height margin is 0.5 inches.

Type: String

Required: No

Padding

The spacing between section content and its top, bottom, left, and right edges.

There is no padding by default.

Type: Spacing object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SelectedSheetsFilterScopeConfiguration

The configuration for applying a filter to specific sheets or visuals. You can apply this filter to multiple visuals that are on one sheet or to all visuals on a sheet.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SheetVisualScopingConfigurations

The sheet ID and visual IDs of the sheet and visuals that the filter is applied to.

Type: Array of SheetVisualScopingConfiguration objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticEntityType

A structure that represents a semantic entity type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SubTypeName

The semantic entity sub type name.

Type: String

Length Constraints: Maximum length of 256.

Required: No

TypeName

The semantic entity type name.

Type: String

Length Constraints: Maximum length of 256.

Required: No

TypeParameters

The semantic entity type parameters.

Type: String to string map

Key Length Constraints: Maximum length of 256.

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SemanticType

A structure that represents a semantic type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FalseyCellValue

The semantic type falsey cell value.

Type: String

Required: No

FalseyCellValueSynonyms

The other names or aliases for the false cell value.

Type: Array of strings

Required: No

SubTypeName

The semantic type sub type name.

Type: String

Length Constraints: Maximum length of 256.

Required: No

TruthyCellValue

The semantic type truthy cell value.

Type: String

Required: No

TruthyCellValueSynonyms

The other names or aliases for the true cell value.

Type: Array of strings

Required: No

TypeName

The semantic type name.

Type: String

Length Constraints: Maximum length of 256.

Required: No

TypeParameters

The semantic type parameters.

Type: String to string map

Key Length Constraints: Maximum length of 256.

Value Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SeriesItem

The series item configuration of a line chart.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataFieldSeriesItem

The data field series item configuration of a line chart.

Type: DataFieldSeriesItem object

Required: No

FieldSeriesItem

The field series item configuration of a line chart.

Type: FieldSeriesItem object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ServiceNowParameters

The parameters for ServiceNow.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SiteBaseUrl

URL of the base site.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SessionTag

The key-value pair used for the row-level security tags feature.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Key

The key for the tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

The value that you want to assign the tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SetParameterValueConfiguration

The configuration of adding parameters in action.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DestinationParameterName

The destination parameter name of the `SetParameterValueConfiguration`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

Value

The configuration of destination parameter values.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: DestinationParameterValueConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

ShapeConditionalFormat

The shape conditional formatting of a filled map visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

The conditional formatting for the shape background color of a filled map visual.

Type: ConditionalFormattingColor object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SharedViewConfigurations

The shared view settings of an embedded dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The shared view settings of an embedded dashboard.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Sheet

A *sheet*, which is an object that contains a set of visuals that are viewed together on one page in Amazon QuickSight. Every analysis and dashboard contains at least one sheet. Each sheet contains at least one visualization widget, for example a chart, pivot table, or narrative insight. Sheets can be associated with other components, such as controls, filters, and so on.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Images

A list of images on a sheet.

Type: Array of SheetImage objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

Name

The name of a sheet. This name is displayed on the sheet's tab in the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

SheetId

The unique identifier associated with a sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetControlInfoIconLabelOptions

A control to display info icons for filters and parameters.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InfoIconText

The text content of info icon.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Visibility

The visibility configuration of info icon label options.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetControlLayout

A grid layout to define the placement of sheet control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Configuration

The configuration that determines the elements and canvas size options of sheet control.

Type: SheetControlLayoutConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetControlLayoutConfiguration

The configuration that determines the elements and canvas size options of sheet control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GridLayout

The configuration that determines the elements and canvas size options of sheet control.

Type: GridLayoutConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetControlsOption

Sheet controls option.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisibilityState

Visibility state.

Type: String

Valid Values: `EXPANDED | COLLAPSED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetDefinition

A sheet is an object that contains a set of visuals that are viewed together on one page in a paginated report. Every analysis and dashboard must contain at least one sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SheetId

The unique identifier of a sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

ContentType

The layout content type of the sheet. Choose one of the following options:

- `PAGINATED`: Creates a sheet for a paginated report.
- `INTERACTIVE`: Creates a sheet for an interactive dashboard.

Type: String

Valid Values: `PAGINATED | INTERACTIVE`

Required: No

CustomActionDefaults

A list of visual custom actions for the sheet.

Type: VisualCustomActionDefaults object

Required: No

Description

A description of the sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

FilterControls

The list of filter controls that are on a sheet.

For more information, see Adding filter controls to analysis sheets in the *Amazon QuickSight User Guide*.

Type: Array of FilterControl objects

Array Members: Maximum number of 200 items.

Required: No

Images

A list of images on a sheet.

Type: Array of SheetImage objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

Layouts

Layouts define how the components of a sheet are arranged.

For more information, see Types of layout in the *Amazon QuickSight User Guide*.

Type: Array of Layout objects

Array Members: Fixed number of 1 item.

Required: No

Name

The name of the sheet. This name is displayed on the sheet's tab in the Amazon QuickSight console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

ParameterControls

The list of parameter controls that are on a sheet.

For more information, see Using a Control with a Parameter in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Type: Array of ParameterControl objects

Array Members: Maximum number of 200 items.

Required: No

SheetControlLayouts

The control layouts of the sheet.

Type: Array of SheetControlLayout objects

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Required: No

TextBoxes

The text boxes that are on a sheet.

Type: Array of SheetTextBox objects

Array Members: Maximum number of 100 items.

Required: No

Title

The title of the sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

Visuals

A list of the visuals that are on a sheet. Visual placement is determined by the layout of the sheet.

Type: Array of Visual objects

Array Members: Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetElementConfigurationOverrides

The override configuration of the rendering rules of a sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

Determines whether or not the overrides are visible. Choose one of the following options:

- `VISIBLE`
- `HIDDEN`

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetElementRenderingRule

The rendering rules of a sheet that uses a free-form layout.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConfigurationOverrides

The override configuration of the rendering rules of a sheet.

Type: SheetElementConfigurationOverrides object

Required: Yes

Expression

The expression of the rendering rules of a sheet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetImage

An image that is located on a sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SheetImageId

The ID of the sheet image.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Source

The source of the image.

Type: SheetImageSource object

Required: Yes

Actions

A list of custom actions that are configured for an image.

Type: Array of ImageCustomAction objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

ImageContentAltText

The alt text for the image.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

Interactions

The general image interactions setup for an image.

Type: ImageInteractionOptions object

Required: No

Scaling

Determines how the image is scaled.

Type: SheetImageScalingConfiguration object

Required: No

Tooltip

The tooltip to be shown when hovering over the image.

Type: SheetImageTooltipConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetImageScalingConfiguration

Determines how the image is scaled

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ScalingType

The scaling option to use when fitting the image inside the container.

Valid values are defined as follows:

- `SCALE_TO_WIDTH`: The image takes up the entire width of the container. The image aspect ratio is preserved.
- `SCALE_TO_HEIGHT`: The image takes up the entire height of the container. The image aspect ratio is preserved.
- `SCALE_TO_CONTAINER`: The image takes up the entire width and height of the container. The image aspect ratio is not preserved.
- `SCALE_NONE`: The image is displayed in its original size and is not scaled to the container.

Type: String

Valid Values: `SCALE_TO_WIDTH | SCALE_TO_HEIGHT | SCALE_TO_CONTAINER | SCALE_NONE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

SheetImageSource

The source of the image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SheetImageStaticFileSource

The source of the static file that contains the image.

Type: SheetImageStaticFileSource object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetImageStaticFileSource

The source of the static file that contains the image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticFileId

The ID of the static file that contains the image.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetImageTooltipConfiguration

The tooltip configuration for a sheet image.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TooltipText

The text that appears in the tooltip.

Type: SheetImageTooltipText object

Required: No

Visibility

The visibility of the tooltip.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetImageTooltipText

The text that appears in the sheet image tooltip.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PlainText

The plain text format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetLayoutElementMaximizationOption

The sheet layout maximization options of a dashbaord.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The status of the sheet layout maximization options of a dashbaord.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetStyle

The theme display options for sheets.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Tile

The display options for tiles.

Type: TileStyle object

Required: No

TileLayout

The layout options for tiles.

Type: TileLayoutStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetTextBox

A text box.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SheetTextBoxId

The unique identifier for a text box. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have text boxes that share identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Content

The content that is displayed in the text box.

Type: String

Length Constraints: Maximum length of 150000.

Required: No

Interactions

The general textbox interactions setup for a textbox.

Type: TextBoxInteractionOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SheetVisualScopingConfiguration

The filter that is applied to the options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Scope

The scope of the applied entities. Choose one of the following options:

- `ALL_VISUALS`
- `SELECTED_VISUALS`

Type: String

Valid Values: `ALL_VISUALS | SELECTED_VISUALS`

Required: Yes

SheetId

The selected sheet that the filter is applied to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VisualIds

The selected visuals that the filter is applied to.

Type: Array of strings

Array Members: Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ShortFormatText

The text format for the title.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PlainText

Plain text format.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

RichText

Rich text. Examples of rich text include bold, underline, and italics.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

SignupResponse

A `SignupResponse` object that contains a summary of a newly created account.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

accountName

The name of your Amazon QuickSight account.

Type: String

Required: No

directoryType

The type of Active Directory that is being used to authenticate the Amazon QuickSight account. Valid values are `SIMPLE_AD`, `AD_CONNECTOR`, and `MICROSOFT_AD`.

Type: String

Required: No

IAMUser

A Boolean that is `TRUE` if the Amazon QuickSight uses IAM as an authentication method.

Type: Boolean

Required: No

userLoginName

The user login name for your Amazon QuickSight account.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SimpleClusterMarker

The simple cluster marker of the cluster marker.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color of the simple cluster marker.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SingleAxisOptions

The settings of a chart's single axis configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

YAxisOptions

The Y axis options of a single axis configuration.

Type: YAxisOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SliderControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Slot

The definition for the slot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SlotId

The slot ID of the slot.

Type: String

Length Constraints: Maximum length of 256.

Required: No

VisualId

The visual ID for the slot.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SmallMultiplesAxisProperties

Configures the properties of a chart's axes that are used by small multiples panels.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Placement

Defines the placement of the axis. By default, axes are rendered `OUTSIDE` of the panels. Axes with `INDEPENDENT` scale are rendered `INSIDE` the panels.

Type: String

Valid Values: `OUTSIDE | INSIDE`

Required: No

Scale

Determines whether scale of the axes are shared or independent. The default value is `SHARED`.

Type: String

Valid Values: `SHARED | INDEPENDENT`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SmallMultiplesOptions

Options that determine the layout and display options of a chart's small multiples.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MaxVisibleColumns

Sets the maximum number of visible columns to display in the grid of small multiples panels.

The default is `Auto`, which automatically adjusts the columns in the grid to fit the overall layout and size of the given chart.

Type: Long

Valid Range: Minimum value of 1. Maximum value of 10.

Required: No

MaxVisibleRows

Sets the maximum number of visible rows to display in the grid of small multiples panels.

The default value is `Auto`, which automatically adjusts the rows in the grid to fit the overall layout and size of the given chart.

Type: Long

Valid Range: Minimum value of 1. Maximum value of 10.

Required: No

PanelConfiguration

Configures the display options for each small multiples panel.

Type: PanelConfiguration object

Required: No

XAxis

The properties of a small multiples X axis.

Type: SmallMultiplesAxisProperties object

Required: No

YAxis

The properties of a small multiples Y axis.

Type: SmallMultiplesAxisProperties object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotAnonymousUser

A structure that contains information on the anonymous user configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RowLevelPermissionTags

The tags to be used for row-level security (RLS). Make sure that the relevant datasets have RLS tags configured before you start a snapshot export job. You can configure the RLS tags of a dataset with a `DataSet$RowLevelPermissionTagConfiguration` API call.

These are not the tags that are used for Amazon resource tagging. For more information on row level security in Amazon QuickSight, see Using Row-Level Security (RLS) with Tagsin the *Amazon QuickSight User Guide*.

Type: Array of SessionTag objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotAnonymousUserRedacted

Use this structure to redact sensitive information that you provide about an anonymous user from the snapshot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RowLevelPermissionTagKeys

The tag keys for the `RowLevelPermissionTags`.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotConfiguration

Describes the configuration of the dashboard snapshot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FileGroups

A list of `SnapshotJobResultFileGroup` objects that contain information about the snapshot that is generated. This list can hold a maximum of 6 `FileGroup` configurations.

Type: Array of SnapshotFileGroup objects

Array Members: Minimum number of 1 item. Maximum number of 7 items.

Required: Yes

DestinationConfiguration

A structure that contains information on the Amazon S3 bucket that the generated snapshot is stored in.

Type: SnapshotDestinationConfiguration object

Required: No

Parameters

A list of Amazon QuickSight parameters and the list's override values.

Type: Parameters object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotDestinationConfiguration

A structure that contains information on the Amazon S3 destinations of the generated snapshot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

S3Destinations

A list of `SnapshotS3DestinationConfiguration` objects that contain Amazon S3 destination configurations. This structure can hold a maximum of 1 `S3DestinationConfiguration`.

Type: Array of SnapshotS3DestinationConfiguration objects

Array Members: Fixed number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotFile

A structure that contains the information for the snapshot that you want to generate. This information is provided by you when you start a new snapshot job.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FormatType

The format of the snapshot file to be generated. You can choose between `CSV`, `Excel`, or `PDF`.

Type: String

Valid Values: `CSV | PDF | EXCEL`

Required: Yes

SheetSelections

A list of `SnapshotFileSheetSelection` objects that contain information on the dashboard sheet that is exported. These objects provide information about the snapshot artifacts that are generated during the job. This structure can hold a maximum of 5 CSV configurations, 5 Excel configurations, or 1 configuration for PDF.

Type: Array of SnapshotFileSheetSelection objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotFileGroup

A structure that contains the information on the snapshot files.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Files

A list of `SnapshotFile` objects that contain the information on the snapshot files that need to be generated. This structure can hold 1 configuration at a time.

Type: Array of SnapshotFile objects

Array Members: Fixed number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotFileSheetSelection

A structure that contains information that identifies the snapshot that needs to be generated.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SelectionScope

The selection scope of the visuals on a sheet of a dashboard that you are generating a snapthot of. You can choose one of the following options.

- `ALL_VISUALS` - Selects all visuals that are on the sheet. This value is required if the snapshot is a PDF.
- `SELECTED_VISUALS` - Select the visual that you want to add to the snapshot. This value is required if the snapshot is a CSV or Excel workbook.

Type: String

Valid Values: `ALL_VISUALS | SELECTED_VISUALS`

Required: Yes

SheetId

The sheet ID of the dashboard to generate the snapshot artifact from. This value is required for CSV, Excel, and PDF format types.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

VisualIds

A structure that lists the IDs of the visuals in the selected sheet. Supported visual types are table, pivot table visuals. This value is required if you are generating a CSV or Excel workbook.

This value supports a maximum of 1 visual ID for CSV and 5 visual IDs across up to 5 sheet selections for Excel. If you are generating an Excel workbook, the order of the visual IDs provided in this structure determines the order of the worksheets in the Excel file.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotJobErrorInfo

An object that contains information on the error that caused the snapshot job to fail.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ErrorMessage

The error message.

Type: String

Required: No

ErrorType

The error type.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotJobResult

An object that provides information on the result of a snapshot job. This object provides information about the job, the job status, and the location of the generated file.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnonymousUsers

A list of `AnonymousUserSnapshotJobResult` objects that contain information on anonymous users and their user configurations. This data provided by you when you make a `StartDashboardSnapshotJob` API call.

Type: Array of AnonymousUserSnapshotJobResult objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotJobResultErrorInfo

Information on the error that caused the snapshot job to fail.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ErrorMessage

The error message.

Type: String

Required: No

ErrorType

The error type.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotJobResultFileGroup

A structure that contains information on the generated snapshot file groups.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Files

A list of `SnapshotFile` objects.

Type: Array of SnapshotFile objects

Array Members: Fixed number of 1 item.

Required: No

S3Results

A list of `SnapshotJobS3Result` objects.

Type: Array of SnapshotJobS3Result objects

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotJobS3Result

The Amazon S3 result from the snapshot job. The result includes the `DestinationConfiguration` and the Amazon S3 Uri. If an error occured during the job, the result returns information on the error.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ErrorInfo

An array of error records that describe any failures that occur while the dashboard snapshot job runs.

Type: Array of SnapshotJobResultErrorInfo objects

Required: No

S3DestinationConfiguration

A list of Amazon S3 bucket configurations that are provided when you make a `StartDashboardSnapshotJob` API call.

Type: SnapshotS3DestinationConfiguration object

Required: No

S3Uri

The Amazon S3 Uri.

Type: String

Pattern: `^(https|s3)://([^/]+)/?(.*)$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotS3DestinationConfiguration

A structure that describes the Amazon S3 settings to use to save the generated dashboard snapshot.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BucketConfiguration

A structure that contains details about the Amazon S3 bucket that the generated dashboard snapshot is saved in.

Type: S3BucketConfiguration object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotUserConfiguration

A structure that contains information about the users that the dashboard snapshot is generated for.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnonymousUsers

An array of records that describe the anonymous users that the dashboard snapshot is generated for.

Type: Array of SnapshotAnonymousUser objects

Array Members: Fixed number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnapshotUserConfigurationRedacted

A structure that contains information about the users that the dashboard snapshot is generated for. Sensitive user information is excluded.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnonymousUsers

An array of records that describe anonymous users that the dashboard snapshot is generated for. Sensitive user information is excluded.

Type: Array of SnapshotAnonymousUserRedacted objects

Array Members: Fixed number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SnowflakeParameters

The parameters for Snowflake.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Warehouse

Warehouse.

Type: String

Length Constraints: Maximum length of 128.

Required: Yes

AuthenticationType

The authentication type that you want to use for your connection. This parameter accepts OAuth and non-OAuth authentication types.

Type: String

Valid Values: `PASSWORD | TOKEN | X509`

Required: No

DatabaseAccessControlRole

The database access control role.

Type: String

Length Constraints: Maximum length of 128.

Required: No

OAuthParameters

An object that contains information needed to create a data source connection between an Amazon QuickSight account and Snowflake.

Type: OAuthParameters object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Spacing

The configuration of spacing (often a margin or padding).

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Bottom

Define the bottom spacing.

Type: String

Required: No

Left

Define the left spacing.

Type: String

Required: No

Right

Define the right spacing.

Type: String

Required: No

Top

Define the top spacing.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SparkParameters

The parameters for Spark.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SpatialStaticFile

A static file that contains the geospatial data.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticFileId

The ID of the spatial static file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Source

The source of the spatial static file.

Type: StaticFileSource object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SqlServerParameters

The parameters for SQL Server.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SslProperties

Secure Socket Layer (SSL) properties that apply when Amazon QuickSight connects to your underlying data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisableSsl

A Boolean option to control whether SSL should be disabled.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StarburstParameters

The parameters that are required to connect to a Starburst data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Catalog

The catalog name for the Starburst data source.

Type: String

Length Constraints: Maximum length of 128.

Required: Yes

Host

The host name of the Starburst data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

The port for the Starburst data source.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

AuthenticationType

The authentication type that you want to use for your connection. This parameter accepts OAuth and non-OAuth authentication types.

Type: String

Valid Values: `PASSWORD | TOKEN | X509`

Required: No

DatabaseAccessControlRole

The database access control role.

Type: String

Length Constraints: Maximum length of 128.

Required: No

OAuthParameters

An object that contains information needed to create a data source connection between an Amazon QuickSight account and Starburst.

Type: OAuthParameters object

Required: No

ProductType

The product type for the Starburst data source.

Type: String

Valid Values: `GALAXY | ENTERPRISE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StatePersistenceConfigurations

The state perssitence configuration of an embedded dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

Determines if a Amazon QuickSight dashboard's state persistence settings are turned on or off.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StaticFile

The static file.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ImageStaticFile

The image static file.

Type: ImageStaticFile object

Required: No

SpatialStaticFile

The spacial static file.

Type: SpatialStaticFile object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StaticFileS3SourceOptions

The structure that contains the Amazon S3 location to download the static file from.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BucketName

The name of the Amazon S3 bucket.

Type: String

Required: Yes

ObjectKey

The identifier of the static file in the Amazon S3 bucket.

Type: String

Required: Yes

Region

The Region of the Amazon S3 account that contains the bucket.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

StaticFileSource

The source of the static file.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

S3Options

The structure that contains the Amazon S3 location to download the static file from.

Type: StaticFileS3SourceOptions object

Required: No

UrlOptions

The structure that contains the URL to download the static file from.

Type: StaticFileUrlSourceOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StaticFileUrlSourceOptions

The structure that contains the URL to download the static file from.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Url

The URL to download the static file from.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringDatasetParameter

A string parameter for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Id

An identifier for the string parameter that is created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[a-zA-Z0-9-]+$`

Required: Yes

Name

The name of the string parameter that is created in the dataset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ValueType

The value type of the dataset parameter. Valid values are `single value` or `multi value`.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

A list of default values for a given string dataset parameter type. This structure only accepts static values.

Type: StringDatasetParameterDefaultValues object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringDatasetParameterDefaultValues

The default values of a string parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

StaticValues

A list of static default values for a given string parameter.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringDefaultValues

The default values of the `StringParameterDeclaration`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DynamicValue

The dynamic value of the `StringDefaultValues`. Different defaults displayed according to users, groups, and values mapping.

Type: DynamicDefaultValue object

Required: No

StaticValues

The static values of the `DecimalDefaultValues`.

Type: Array of strings

Array Members: Maximum number of 50000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringFormatConfiguration

Formatting configuration for string fields.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NullValueFormatConfiguration

The options that determine the null value format configuration.

Type: NullValueFormatConfiguration object

Required: No

NumericFormatConfiguration

The formatting configuration for numeric strings.

Type: NumericFormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringParameter

A string parameter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

A display name for a string parameter.

Type: String

Pattern: `.*\S.*`

Required: Yes

Values

The values of a string parameter.

Type: Array of strings

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringParameterDeclaration

A parameter declaration for the `String` data type.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the parameter that is being declared.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: Yes

ParameterValueType

The value type determines whether the parameter is a single-value or multi-value parameter.

Type: String

Valid Values: `MULTI_VALUED | SINGLE_VALUED`

Required: Yes

DefaultValues

The default values of a parameter. If the parameter is a single-value parameter, a maximum of one default value can be provided.

Type: StringDefaultValues object

Required: No

MappedDataSetParameters

A list of dataset parameters that are mapped to an analysis parameter.

Type: Array of MappedDataSetParameter objects

Array Members: Minimum number of 0 items. Maximum number of 150 items.

Required: No

ValueWhenUnset

The configuration that defines the default value of a `String` parameter when a value has not been set.

Type: StringValueWhenUnsetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

StringValueWhenUnsetConfiguration

The configuration that defines the default value of a `String` parameter when a value has not been set.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomValue

A custom value that's used when the value of a parameter isn't set.

Type: String

Required: No

ValueWhenUnsetOption

The built-in options for default values. The value can be one of the following:

- `RECOMMENDED`: The recommended value.
- `NULL`: The `NULL` value.

Type: String

Valid Values: `RECOMMENDED_VALUE | NULL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SubtotalOptions

The subtotal options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabel

The custom label string for the subtotal cells.

Type: String

Required: No

FieldLevel

The field level (all, custom, last) for the subtotal cells.

Type: String

Valid Values: `ALL | CUSTOM | LAST`

Required: No

FieldLevelOptions

The optional configuration of subtotal cells.

Type: Array of PivotTableFieldSubtotalOptions objects

Array Members: Maximum number of 100 items.

Required: No

MetricHeaderCellStyle

The cell styling options for the subtotals of header cells.

Type: TableCellStyle object

Required: No

StyleTargets

The style targets options for subtotals.

Type: Array of TableStyleTarget objects

Array Members: Maximum number of 3 items.

Required: No

TotalCellStyle

The cell styling options for the subtotal cells.

Type: TableCellStyle object

Required: No

TotalsVisibility

The visibility configuration for the subtotal cells.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

ValueCellStyle

The cell styling options for the subtotals of value cells.

Type: TableCellStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

SucceededTopicReviewedAnswer

The definition for a `SucceededTopicReviewedAnswer`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnswerId

The answer ID for the `SucceededTopicReviewedAnswer`.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

SuccessfulKeyRegistrationEntry

A success entry that occurs when a `KeyRegistration` job is successfully applied to the Amazon QuickSight account.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

KeyArn

The ARN of the Amazon KMS key that is associated with the `SuccessfulKeyRegistrationEntry` entry.

Type: String

Required: Yes

StatusCode

The HTTP status of a `SuccessfulKeyRegistrationEntry` entry.

Type: Integer

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableAggregatedFieldWells

The aggregated field well for the table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GroupBy

The group by field well for a pivot table. Values are grouped by group by fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Values

The values field well for a pivot table. Values are aggregated based on group by fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableBorderOptions

The border options for a table border.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Color

The color of a table border.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Style

The style (none, solid) of a table border.

Type: String

Valid Values: `NONE | SOLID`

Required: No

Thickness

The thickness of a table border.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 4.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableCellConditionalFormatting

The cell conditional formatting option for a table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID of the cell for conditional formatting.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

TextFormat

The text format of the cell for conditional formatting.

Type: TextConditionalFormat object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableCellImageSizingConfiguration

The sizing options for the table image configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TableCellImageScalingConfiguration

The cell scaling configuration of the sizing options for the table image configuration.

Type: String

Valid Values: `FIT_TO_CELL_HEIGHT | FIT_TO_CELL_WIDTH | DO_NOT_SCALE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableCellStyle

The table cell style for a cell in pivot table or table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

The background color for the table cells.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Border

The borders for the table cells.

Type: GlobalTableBorderOptions object

Required: No

FontConfiguration

The font configuration of the table cells.

Type: FontConfiguration object

Required: No

Height

The height color for the table cells.

Type: Integer

Valid Range: Minimum value of 8. Maximum value of 500.

Required: No

HorizontalTextAlignment

The horizontal text alignment (left, center, right, auto) for the table cells.

Type: String

Valid Values: `LEFT | CENTER | RIGHT | AUTO`

Required: No

TextWrap

The text wrap (none, wrap) for the table cells.

Type: String

Valid Values: `NONE | WRAP`

Required: No

VerticalTextAlignment

The vertical text alignment (top, middle, bottom) for the table cells.

Type: String

Valid Values: `TOP | MIDDLE | BOTTOM | AUTO`

Required: No

Visibility

The visibility of the table cells.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableConditionalFormatting

The conditional formatting for a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConditionalFormattingOptions

Conditional formatting options for a `PivotTableVisual`.

Type: Array of TableConditionalFormattingOption objects

Array Members: Maximum number of 500 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableConditionalFormattingOption

Conditional formatting options for a `PivotTableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Cell

The cell conditional formatting option for a table.

Type: TableCellConditionalFormatting object

Required: No

Row

The row conditional formatting option for a table.

Type: TableRowConditionalFormatting object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableConfiguration

The configuration for a `TableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldOptions

The field options for a table visual.

Type: TableFieldOptions object

Required: No

FieldWells

The field wells of the visual.

Type: TableFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

PaginatedReportOptions

The paginated report options for a table visual.

Type: TablePaginatedReportOptions object

Required: No

SortConfiguration

The sort configuration for a `TableVisual`.

Type: TableSortConfiguration object

Required: No

TableInlineVisualizations

A collection of inline visualizations to display within a chart.

Type: Array of TableInlineVisualization objects

Array Members: Maximum number of 200 items.

Required: No

TableOptions

The table options for a table visual.

Type: TableOptions object

Required: No

TotalOptions

The total options for a table visual.

Type: TotalOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldCustomIconContent

The custom icon content for the table link content configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Icon

The icon set type (link) of the custom icon content for table URL link content.

Type: String

Valid Values: `LINK`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldCustomTextContent

The custom text content (value, font configuration) for the table link content configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FontConfiguration

The font configuration of the custom text content for the table URL link content.

Type: FontConfiguration object

Required: Yes

Value

The string value of the custom text content for the table URL link content.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldImageConfiguration

The image configuration of a table field URL.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SizingOptions

The sizing options for the table image configuration.

Type: TableCellImageSizingConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldLinkConfiguration

The link configuration of a table field URL.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Content

The URL content (text, icon) for the table link configuration.

Type: TableFieldLinkContentConfiguration object

Required: Yes

Target

The URL target (new tab, new window, same tab) for the table link configuration.

Type: String

Valid Values: `NEW_TAB | NEW_WINDOW | SAME_TAB`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldLinkContentConfiguration

The URL content (text, icon) for the table link configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomIconContent

The custom icon content for the table link content configuration.

Type: TableFieldCustomIconContent object

Required: No

CustomTextContent

The custom text content (value, font configuration) for the table link content configuration.

Type: TableFieldCustomTextContent object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldOption

The options for a table field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field ID for a table field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

CustomLabel

The custom label for a table field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

URLStyling

The URL configuration for a table field.

Type: TableFieldURLConfiguration object

Required: No

Visibility

The visibility of a table field.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

Width

The width for a table field.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldOptions

The field options of a table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Order

The order of the field IDs that are configured as field options for a table visual.

Type: Array of strings

Array Members: Maximum number of 200 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

PinnedFieldOptions

The settings for the pinned columns of a table visual.

Type: TablePinnedFieldOptions object

Required: No

SelectedFieldOptions

The field options to be configured to a table.

Type: Array of TableFieldOption objects

Array Members: Maximum number of 201 items.

Required: No

TransposedTableOptions

The `TableOptions` of a transposed table.

Type: Array of TransposedTableOption objects

Array Members: Maximum number of 10001 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldURLConfiguration

The URL configuration for a table field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ImageConfiguration

The image configuration of a table field URL.

Type: TableFieldImageConfiguration object

Required: No

LinkConfiguration

The link configuration of a table field URL.

Type: TableFieldLinkConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableFieldWells

The field wells for a table visual.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TableAggregatedFieldWells

The aggregated field well for the table.

Type: TableAggregatedFieldWells object

Required: No

TableUnaggregatedFieldWells

The unaggregated field well for the table.

Type: TableUnaggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableInlineVisualization

The inline visualization of a specific type to display within a chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataBars

The configuration of the inline visualization of the data bars within a chart.

Type: DataBarsOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableOptions

The table options for a table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CellStyle

The table cell style of table cells.

Type: TableCellStyle object

Required: No

HeaderStyle

The table cell style of a table header.

Type: TableCellStyle object

Required: No

Orientation

The orientation (vertical, horizontal) for a table.

Type: String

Valid Values: `VERTICAL | HORIZONTAL`

Required: No

RowAlternateColorOptions

The row alternate color options (widget status, row alternate colors) for a table.

Type: RowAlternateColorOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TablePaginatedReportOptions

The paginated report options for a table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

OverflowColumnHeaderVisibility

The visibility of repeating header rows on each page.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

VerticalOverflowVisibility

The visibility of printing table overflow across pages.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TablePinnedFieldOptions

The settings for the pinned columns of a table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PinnedLeftFields

A list of columns to be pinned to the left of a table visual.

Type: Array of strings

Array Members: Maximum number of 201 items.

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableRowConditionalFormatting

The conditional formatting of a table row.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

The conditional formatting color (solid, gradient) of the background for a table row.

Type: ConditionalFormattingColor object

Required: No

TextColor

The conditional formatting color (solid, gradient) of the text for a table row.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableSideBorderOptions

The side border options for a table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Bottom

The table border options of the bottom border.

Type: TableBorderOptions object

Required: No

InnerHorizontal

The table border options of the inner horizontal border.

Type: TableBorderOptions object

Required: No

InnerVertical

The table border options of the inner vertical border.

Type: TableBorderOptions object

Required: No

Left

The table border options of the left border.

Type: TableBorderOptions object

Required: No

Right

The table border options of the right border.

Type: TableBorderOptions object

Required: No

Top

The table border options of the top border.

Type: TableBorderOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableSortConfiguration

The sort configuration for a `TableVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PaginationConfiguration

The pagination configuration (page size, page number) for the table.

Type: PaginationConfiguration object

Required: No

RowSort

The field sort options for rows in the table.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableStyleTarget

The table style target.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CellType

The cell type of the table style target.

Type: String

Valid Values: `TOTAL | METRIC_HEADER | VALUE`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableUnaggregatedFieldWells

The unaggregated field well for the table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Values

The values field well for a pivot table. Values are unaggregated for an unaggregated table.

Type: Array of UnaggregatedField objects

Array Members: Maximum number of 201 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TableVisual

A table visual.

For more information, see Using tables as visuals in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: TableConfiguration object

Required: No

ConditionalFormatting

The conditional formatting for a `PivotTableVisual`.

Type: TableConditionalFormatting object

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Tag

The key or keys of the key-value pairs for the resource tag or tags assigned to the resource.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Key

Tag key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Value

Tag value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TagColumnOperation

A transform operation that tags a column with additional information.

Contents

> **Note**
> In the following list, the required parameters are described first.

ColumnName

The column that this operation acts on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Tags

The dataset column tag, currently only used for geospatial type tagging.

> **Note**
> This is not tags for the Amazon tagging feature.

Type: Array of ColumnTag objects

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Template

A template object. A *template* is an entity in Amazon QuickSight that encapsulates the metadata required to create an analysis and that you can use to create a dashboard. A template adds a layer of abstraction by using placeholders to replace the dataset associated with an analysis. You can use templates to create dashboards by replacing dataset placeholders with datasets that follow the same schema that was used to create the source analysis and template.

You can share templates across Amazon accounts by allowing users in other Amazon accounts to create a template or a dashboard from an existing template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the template.

Type: String

Required: No

CreatedTime

Time when this was created.

Type: Timestamp

Required: No

LastUpdatedTime

Time when this was last updated.

Type: Timestamp

Required: No

Name

The display name of the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

TemplateId

The ID for the template. This is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

Version

A structure describing the versions of the template.

Type: TemplateVersion object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateAlias

The template alias.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AliasName

The display name of the template alias.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: No

Arn

The Amazon Resource Name (ARN) of the template alias.

Type: String

Required: No

TemplateVersionNumber

The version number of the template alias.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateError

List of errors that occurred when the template version creation failed.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

Description of the error type.

Type: String

Pattern: `.*\S.*`

Required: No

Type

Type of error.

Type: String

Valid Values: `SOURCE_NOT_FOUND | DATA_SET_NOT_FOUND | INTERNAL_FAILURE | ACCESS_DENIED`

Required: No

ViolatedEntities

An error path that shows which entities caused the template error.

Type: Array of Entity objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateSourceAnalysis

The source analysis of the template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: Yes

DataSetReferences

A structure containing information about the dataset references used as placeholders in the template.

Type: Array of DataSetReference objects

Array Members: Minimum number of 1 item.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateSourceEntity

The source entity of the template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SourceAnalysis

The source analysis, if it is based on an analysis.

Type: TemplateSourceAnalysis object

Required: No

SourceTemplate

The source template, if it is based on an template.

Type: TemplateSourceTemplate object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateSourceTemplate

The source template of the template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateSummary

The template summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

A summary of a template.

Type: String

Required: No

CreatedTime

The last time that this template was created.

Type: Timestamp

Required: No

LastUpdatedTime

The last time that this template was updated.

Type: Timestamp

Required: No

LatestVersionNumber

A structure containing a list of version numbers for the template summary.

Type: Long

Valid Range: Minimum value of 1.

Required: No

Name

A display name for the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

TemplateId

The ID of the template. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateVersion

A version of a template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CreatedTime

The time that this template version was created.

Type: Timestamp

Required: No

DataSetConfigurations

Schema of the dataset identified by the placeholder. Any dashboard created from this template should be bound to new datasets matching the same schema described through this API operation.

Type: Array of DataSetConfiguration objects

Array Members: Maximum number of 30 items.

Required: No

Description

The description of the template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Errors

Errors associated with this template version.

Type: Array of TemplateError objects

Array Members: Minimum number of 1 item.

Required: No

Sheets

A list of the associated sheets with the unique identifier and name of each sheet.

Type: Array of Sheet objects

Array Members: Maximum number of 20 items.

Required: No

SourceEntityArn

The Amazon Resource Name (ARN) of an analysis or template that was used to create this template.

Type: String

Required: No

Status

The status that is associated with the template.

- `CREATION_IN_PROGRESS`
- `CREATION_SUCCESSFUL`
- `CREATION_FAILED`
- `UPDATE_IN_PROGRESS`
- `UPDATE_SUCCESSFUL`
- `UPDATE_FAILED`
- `DELETED`

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

ThemeArn

The ARN of the theme associated with this version of the template.

Type: String

Required: No

VersionNumber

The version number of the template version.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateVersionDefinition

The detailed definition of a template.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataSetConfigurations

An array of dataset configurations. These configurations define the required columns for each dataset used within a template.

Type: Array of DataSetConfiguration objects

Array Members: Maximum number of 30 items.

Required: Yes

AnalysisDefaults

The configuration for default analysis settings.

Type: AnalysisDefaults object

Required: No

CalculatedFields

An array of calculated field definitions for the template.

Type: Array of CalculatedField objects

Array Members: Maximum number of 500 items.

Required: No

ColumnConfigurations

An array of template-level column configurations. Column configurations are used to set default formatting for a column that's used throughout a template.

Type: Array of ColumnConfiguration objects

Array Members: Maximum number of 2000 items.

Required: No

FilterGroups

Filter definitions for a template.

For more information, see Filtering Data in the *Amazon QuickSight User Guide*.

Type: Array of FilterGroup objects

Array Members: Maximum number of 2000 items.

Required: No

Options

An array of option definitions for a template.

Type: AssetOptions object

Required: No

ParameterDeclarations

An array of parameter declarations for a template.

Parameters are named variables that can transfer a value for use by an action or an object.

For more information, see Parameters in Amazon QuickSight in the *Amazon QuickSight User Guide*.

Type: Array of ParameterDeclaration objects

Array Members: Maximum number of 200 items.

Required: No

QueryExecutionOptions

A structure that describes the query execution options.

Type: QueryExecutionOptions object

Required: No

Sheets

An array of sheet definitions for a template.

Type: Array of SheetDefinition objects

Array Members: Maximum number of 20 items.

Required: No

StaticFiles

The static files for the definition.

Type: Array of StaticFile objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TemplateVersionSummary

The template version.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the template version.

Type: String

Required: No

CreatedTime

The time that this template version was created.

Type: Timestamp

Required: No

Description

The description of the template version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Status

The status of the template version.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

VersionNumber

The version number of the template version.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TeradataParameters

The parameters for Teradata.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Database

Database.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Host

Host.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

Port.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TextAreaControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

PlaceholderOptions

The configuration of the placeholder options in a text area control.

Type: TextControlPlaceholderOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

TextBoxInteractionOptions

The general textbox interactions setup for textbox publish options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TextBoxMenuOption

The menu options for the textbox.

Type: TextBoxMenuOption object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TextBoxMenuOption

The menu options for the interactions of a textbox.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The availability status of the textbox menu. If the value of this property is set to `ENABLED`, dashboard readers can interact with the textbox menu.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TextConditionalFormat

The conditional formatting for the text.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BackgroundColor

The conditional formatting for the text background color.

Type: ConditionalFormattingColor object

Required: No

Icon

The conditional formatting for the icon.

Type: ConditionalFormattingIcon object

Required: No

TextColor

The conditional formatting for the text color.

Type: ConditionalFormattingColor object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

TextControlPlaceholderOptions

The configuration of the placeholder options in a text control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility configuration of the placeholder options in a text control.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TextFieldControlDisplayOptions

The display options of a control.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

InfoIconLabelOptions

The configuration of info icon label options.

Type: SheetControlInfoIconLabelOptions object

Required: No

PlaceholderOptions

The configuration of the placeholder options in a text field control.

Type: TextControlPlaceholderOptions object

Required: No

TitleOptions

The options to configure the title visibility, name, and font size.

Type: LabelOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

Theme

Summary information about a theme.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the theme.

Type: String

Required: No

CreatedTime

The date and time that the theme was created.

Type: Timestamp

Required: No

LastUpdatedTime

The date and time that the theme was last updated.

Type: Timestamp

Required: No

Name

The name that the user gives to the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

ThemeId

The identifier that the user gives to the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

Type

The type of theme, based on how it was created. Valid values include: `QUICKSIGHT` and `CUSTOM`.

Type: String

Valid Values: `QUICKSIGHT | CUSTOM | ALL`

Required: No

Version

A version of a theme.

Type: ThemeVersion object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThemeAlias

An alias for a theme.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AliasName

The display name of the theme alias.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `[\w\-]+|(\$LATEST)|(\$PUBLISHED)`

Required: No

Arn

The Amazon Resource Name (ARN) of the theme alias.

Type: String

Required: No

ThemeVersionNumber

The version number of the theme alias.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThemeConfiguration

The theme configuration. This configuration contains all of the display properties for a theme.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DataColorPalette

Color properties that apply to chart data colors.

Type: DataColorPalette object

Required: No

Sheet

Display options related to sheets.

Type: SheetStyle object

Required: No

Typography

Determines the typography options.

Type: Typography object

Required: No

UIColorPalette

Color properties that apply to the UI and to charts, excluding the colors that apply to data.

Type: UIColorPalette object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThemeError

Theme error.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Message

The error message.

Type: String

Pattern: `.*\S.*`

Required: No

Type

The type of error.

Type: String

Valid Values: `INTERNAL_FAILURE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThemeSummary

The theme summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

CreatedTime

The date and time that this theme was created.

Type: Timestamp

Required: No

LastUpdatedTime

The last date and time that this theme was updated.

Type: Timestamp

Required: No

LatestVersionNumber

The latest version number for the theme.

Type: Long

Valid Range: Minimum value of 1.

Required: No

Name

the display name for the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

ThemeId

The ID of the theme. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThemeVersion

A version of a theme.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

BaseThemeId

The Amazon QuickSight-defined ID of the theme that a custom theme inherits from. All themes initially inherit from a default Amazon QuickSight theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: No

Configuration

The theme configuration, which contains all the theme display properties.

Type: ThemeConfiguration object

Required: No

CreatedTime

The date and time that this theme version was created.

Type: Timestamp

Required: No

Description

The description of the theme.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Errors

Errors associated with the theme.

Type: Array of ThemeError objects

Array Members: Minimum number of 1 item.

Required: No

Status

The status of the theme version.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

VersionNumber

The version number of the theme.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThemeVersionSummary

The theme version.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the theme version.

Type: String

Required: No

CreatedTime

The date and time that this theme version was created.

Type: Timestamp

Required: No

Description

The description of the theme version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

Status

The status of the theme version.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETED`

Required: No

VersionNumber

The version number of the theme version.

Type: Long

Valid Range: Minimum value of 1.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThousandSeparatorOptions

The options that determine the thousands separator configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GroupingStyle

Determines the way numbers are styled to accommodate different readability standards. The `DEFAULT` value uses the standard international grouping system and groups numbers by the thousands. The `LAKHS` value uses the Indian numbering system and groups numbers by lakhs and crores.

Type: String

Valid Values: `DEFAULT | LAKHS`

Required: No

Symbol

Determines the thousands separator symbol.

Type: String

Valid Values: `COMMA | DOT | SPACE`

Required: No

Visibility

Determines the visibility of the thousands separator.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ThresholdAlertsConfigurations

The threshold alerts configuration for an embedded Amazon QuickSight dashboard.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Enabled

The threshold alerts configuration for an embedded Amazon QuickSight dashboard.

Type: Boolean

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TileLayoutStyle

The display options for the layout of tiles on a sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Gutter

The gutter settings that apply between tiles.

Type: GutterStyle object

Required: No

Margin

The margin settings that apply around the outside edge of sheets.

Type: MarginStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TileStyle

Display options related to tiles on a sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Border

The border around a tile.

Type: BorderStyle object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeBasedForecastProperties

The forecast properties setup of a forecast in the line chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

LowerBoundary

The lower boundary setup of a forecast computation.

Type: Double

Required: No

PeriodsBackward

The periods backward setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

PeriodsForward

The periods forward setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

PredictionInterval

The prediction interval setup of a forecast computation.

Type: Integer

Valid Range: Minimum value of 50. Maximum value of 95.

Required: No

Seasonality

The seasonality setup of a forecast computation. Choose one of the following options:

- NULL: The input is set to NULL.
- NON_NULL: The input is set to a custom value.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 180.

Required: No

UpperBoundary

The upper boundary setup of a forecast computation.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeEqualityFilter

A `TimeEqualityFilter` filters values that are equal to a given value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

ParameterName

The parameter whose value should be used for the filter value.

This field is mutually exclusive to `Value` and `RollingDate`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

RollingDate

The rolling date input for the `TimeEquality` filter.

This field is mutually exclusive to `Value` and `ParameterName`.

Type: RollingDateConfiguration object

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

Value

The value of a `TimeEquality` filter.

This field is mutually exclusive to `RollingDate` and `ParameterName`.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeRangeDrillDownFilter

The time range drill down filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

RangeMaximum

The maximum value for the filter value range.

Type: Timestamp

Required: Yes

RangeMinimum

The minimum value for the filter value range.

Type: Timestamp

Required: Yes

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeRangeFilter

A `TimeRangeFilter` filters values that are between two specified values.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

NullOption

This option determines how null values should be treated when filtering data.

- `ALL_VALUES`: Include null values in filtered results.
- `NULLS_ONLY`: Only include null values in filtered results.
- `NON_NULLS_ONLY`: Exclude null values from filtered results.

Type: String

Valid Values: `ALL_VALUES | NULLS_ONLY | NON_NULLS_ONLY`

Required: Yes

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

ExcludePeriodConfiguration

The exclude period of the time range filter.

Type: ExcludePeriodConfiguration object

Required: No

IncludeMaximum

Determines whether the maximum value in the filter value range should be included in the filtered results.

Type: Boolean

Required: No

IncludeMinimum

Determines whether the minimum value in the filter value range should be included in the filtered results.

Type: Boolean

Required: No

RangeMaximumValue

The maximum value for the filter value range.

Type: TimeRangeFilterValue object

Required: No

RangeMinimumValue

The minimum value for the filter value range.

Type: TimeRangeFilterValue object

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TimeRangeFilterValue

The value of a time range filter.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Parameter

The parameter type input value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

RollingDate

The rolling date input value.

Type: RollingDateConfiguration object

Required: No

StaticValue

The static input value.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TooltipItem

The tooltip.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnTooltipItem

The tooltip item for the columns that are not part of a field well.

Type: ColumnTooltipItem object

Required: No

FieldTooltipItem

The tooltip item for the fields.

Type: FieldTooltipItem object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TooltipOptions

The display options for the visual tooltip.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldBasedTooltip

The setup for the detailed tooltip. The tooltip setup is always saved. The display type is decided based on the tooltip type.

Type: FieldBasedTooltip object

Required: No

SelectedTooltipType

The selected type for the tooltip. Choose one of the following options:

- `BASIC`: A basic tooltip.
- `DETAILED`: A detailed tooltip.

Type: String

Valid Values: `BASIC | DETAILED`

Required: No

TooltipVisibility

Determines whether or not the tooltip is visible.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopBottomFilter

A `TopBottomFilter` filters values that are at the top or the bottom.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AggregationSortConfigurations

The aggregation and sort configuration of the top bottom filter.

Type: Array of AggregationSortConfiguration objects

Array Members: Maximum number of 100 items.

Required: Yes

Column

The column that the filter is applied to.

Type: ColumnIdentifier object

Required: Yes

FilterId

An identifier that uniquely identifies a filter within a dashboard, analysis, or template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

DefaultFilterControlConfiguration

The default configurations for the associated controls. This applies only for filters that are scoped to multiple sheets.

Type: DefaultFilterControlConfiguration object

Required: No

Limit

The number of items to include in the top bottom filter results.

Type: Integer

Required: No

ParameterName

The parameter whose value should be used for the filter value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `^[a-zA-Z0-9]+$`

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopBottomMoversComputation

The top movers and bottom movers computation setup.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Type

The computation type. Choose from the following options:

- TOP: Top movers computation.
- BOTTOM: Bottom movers computation.

Type: String

Valid Values: `TOP | BOTTOM`

Required: Yes

Category

The category field that is used in a computation.

Type: DimensionField object

Required: No

MoverSize

The mover size setup of the top and bottom movers computation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

Name

The name of a computation.

Type: String

Required: No

SortOrder

The sort order setup of the top and bottom movers computation.

Type: String

Valid Values: `PERCENT_DIFFERENCE | ABSOLUTE_DIFFERENCE`

Required: No

Time

The time field that is used in a computation.

Type: DimensionField object

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopBottomRankedComputation

The top ranked and bottom ranked computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Type

The computation type. Choose one of the following options:

- TOP: A top ranked computation.
- BOTTOM: A bottom ranked computation.

Type: String

Valid Values: `TOP | BOTTOM`

Required: Yes

Category

The category field that is used in a computation.

Type: DimensionField object

Required: No

Name

The name of a computation.

Type: String

Required: No

ResultSize

The result size of a top and bottom ranked computation.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicCalculatedField

A structure that represents a calculated field.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CalculatedFieldName

The calculated field name.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

Expression

The calculated field expression.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

Aggregation

The default aggregation. Valid values for this structure are `SUM`, `MAX`, `MIN`, `COUNT`, `DISTINCT_COUNT`, and `AVERAGE`.

Type: String

Valid Values: `SUM | MAX | MIN | COUNT | DISTINCT_COUNT | AVERAGE | MEDIAN | STDEV | STDEVP | VAR | VARP`

Required: No

AllowedAggregations

The list of aggregation types that are allowed for the calculated field. Valid values for this structure are `COUNT`, `DISTINCT_COUNT`, `MIN`, `MAX`, `MEDIAN`, `SUM`, `AVERAGE`, `STDEV`, `STDEVP`, `VAR`, `VARP`, and `PERCENTILE`.

Type: Array of strings

Valid Values: `COUNT | DISTINCT_COUNT | MIN | MAX | MEDIAN | SUM | AVERAGE | STDEV | STDEVP | VAR | VARP | PERCENTILE`

Required: No

CalculatedFieldDescription

The calculated field description.

Type: String

Length Constraints: Maximum length of 256.

Required: No

CalculatedFieldSynonyms

The other names or aliases for the calculated field.

Type: Array of strings

Length Constraints: Maximum length of 256.

Required: No

CellValueSynonyms

The other names or aliases for the calculated field cell value.

Type: Array of CellValueSynonym objects

Required: No

ColumnDataRole

The column data role for a calculated field. Valid values for this structure are `DIMENSION` and `MEASURE`.

Type: String

Valid Values: `DIMENSION | MEASURE`

Required: No

ComparativeOrder

The order in which data is displayed for the calculated field when it's used in a comparative context.

Type: ComparativeOrder object

Required: No

DefaultFormatting

The default formatting definition.

Type: DefaultFormatting object

Required: No

DisableIndexing

A Boolean value that indicates if a calculated field is visible in the autocomplete.

Type: Boolean

Required: No

IsIncludedInTopic

A boolean value that indicates if a calculated field is included in the topic.

Type: Boolean

Required: No

NeverAggregateInFilter

A Boolean value that indicates whether to never aggregate calculated field in filters.

Type: Boolean

Required: No

NonAdditive

The non additive for the table style target.

Type: Boolean

Required: No

NotAllowedAggregations

The list of aggregation types that are not allowed for the calculated field. Valid values for this structure are `COUNT`, `DISTINCT_COUNT`, `MIN`, `MAX`, `MEDIAN`, `SUM`, `AVERAGE`, `STDEV`, `STDEVP`, `VAR`, `VARP`, and `PERCENTILE`.

Type: Array of strings

Valid Values: `COUNT | DISTINCT_COUNT | MIN | MAX | MEDIAN | SUM | AVERAGE | STDEV | STDEVP | VAR | VARP | PERCENTILE`

Required: No

SemanticType

The semantic type.

Type: SemanticType object

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicCategoryFilter

A structure that represents a category filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryFilterFunction

The category filter function. Valid values for this structure are `EXACT` and `CONTAINS`.

Type: String

Valid Values: `EXACT | CONTAINS`

Required: No

CategoryFilterType

The category filter type. This element is used to specify whether a filter is a simple category filter or an inverse category filter.

Type: String

Valid Values: `CUSTOM_FILTER | CUSTOM_FILTER_LIST | FILTER_LIST`

Required: No

Constant

The constant used in a category filter.

Type: TopicCategoryFilterConstant object

Required: No

Inverse

A Boolean value that indicates if the filter is inverse.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicCategoryFilterConstant

A constant used in a category filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CollectiveConstant

A collective constant used in a category filter. This element is used to specify a list of values for the constant.

Type: CollectiveConstant object

Required: No

ConstantType

The type of category filter constant. This element is used to specify whether a constant is a singular or collective. Valid values are `SINGULAR` and `COLLECTIVE`.

Type: String

Valid Values: `SINGULAR | RANGE | COLLECTIVE`

Required: No

SingularConstant

A singular constant used in a category filter. This element is used to specify a single value for the constant.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicColumn

Represents a column in a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

The name of the column.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

Aggregation

The type of aggregation that is performed on the column data when it's queried.

Type: String

Valid Values: `SUM | MAX | MIN | COUNT | DISTINCT_COUNT | AVERAGE | MEDIAN | STDEV | STDEVP | VAR | VARP`

Required: No

AllowedAggregations

The list of aggregation types that are allowed for the column. Valid values for this structure are `COUNT`, `DISTINCT_COUNT`, `MIN`, `MAX`, `MEDIAN`, `SUM`, `AVERAGE`, `STDEV`, `STDEVP`, `VAR`, `VARP`, and `PERCENTILE`.

Type: Array of strings

Valid Values: `COUNT | DISTINCT_COUNT | MIN | MAX | MEDIAN | SUM | AVERAGE | STDEV | STDEVP | VAR | VARP | PERCENTILE`

Required: No

CellValueSynonyms

The other names or aliases for the column cell value.

Type: Array of CellValueSynonym objects

Required: No

ColumnDataRole

The role of the column in the data. Valid values are `DIMENSION` and `MEASURE`.

Type: String

Valid Values: `DIMENSION | MEASURE`

Required: No

ColumnDescription

A description of the column and its contents.

Type: String

Length Constraints: Maximum length of 256.

Required: No

ColumnFriendlyName

A user-friendly name for the column.

Type: String

Length Constraints: Maximum length of 256.

Required: No

ColumnSynonyms

The other names or aliases for the column.

Type: Array of strings

Length Constraints: Maximum length of 256.

Required: No

ComparativeOrder

The order in which data is displayed for the column when it's used in a comparative context.

Type: ComparativeOrder object

Required: No

DefaultFormatting

The default formatting used for values in the column.

Type: DefaultFormatting object

Required: No

DisableIndexing

A Boolean value that indicates whether the column shows in the autocomplete functionality.

Type: Boolean

Required: No

IsIncludedInTopic

A Boolean value that indicates whether the column is included in the query results.

Type: Boolean

Required: No

NeverAggregateInFilter

A Boolean value that indicates whether to aggregate the column data when it's used in a filter context.

Type: Boolean

Required: No

NonAdditive

The non additive value for the column.

Type: Boolean

Required: No

NotAllowedAggregations

The list of aggregation types that are not allowed for the column. Valid values for this structure are `COUNT`, `DISTINCT_COUNT`, `MIN`, `MAX`, `MEDIAN`, `SUM`, `AVERAGE`, `STDEV`, `STDEVP`, `VAR`, `VARP`, and `PERCENTILE`.

Type: Array of strings

Valid Values: `COUNT | DISTINCT_COUNT | MIN | MAX | MEDIAN | SUM | AVERAGE | STDEV | STDEVP | VAR | VARP | PERCENTILE`

Required: No

SemanticType

The semantic type of data contained in the column.

Type: SemanticType object

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicConfigOptions

Configuration options for a `Topic`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

QBusinessInsightsEnabled

Enables Amazon Q Business Insights for a `Topic`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicConstantValue

The definition for a `TopicConstantValue`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConstantType

The constant type of a `TopicConstantValue`.

Type: String

Valid Values: `SINGULAR | RANGE | COLLECTIVE`

Required: No

Maximum

The maximum for the `TopicConstantValue`.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

Minimum

The minimum for the `TopicConstantValue`.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

Value

The value of the `TopicConstantValue`.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

ValueList

The value list of the `TopicConstantValue`.

Type: Array of CollectiveConstantEntry objects

Array Members: Maximum number of 2000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicDateRangeFilter

A filter used to restrict data based on a range of dates or times.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Constant

The constant used in a date range filter.

Type: TopicRangeFilterConstant object

Required: No

Inclusive

A Boolean value that indicates whether the date range filter should include the boundary values. If set to true, the filter includes the start and end dates. If set to false, the filter excludes them.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicDetails

A structure that describes the details of a topic, such as its name, description, and associated data sets.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConfigOptions

Configuration options for a `Topic`.

Type: TopicConfigOptions object

Required: No

DataSets

The data sets that the topic is associated with.

Type: Array of DatasetMetadata objects

Required: No

Description

The description of the topic.

Type: String

Length Constraints: Maximum length of 256.

Required: No

Name

The name of the topic.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

UserExperienceVersion

The user experience version of a topic.

Type: String

Valid Values: `LEGACY | NEW_READER_EXPERIENCE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicFilter

A structure that represents a filter used to select items for a topic.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterName

The name of the filter.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

OperandFieldName

The name of the field that the filter operates on.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

CategoryFilter

The category filter that is associated with this filter.

Type: TopicCategoryFilter object

Required: No

DateRangeFilter

The date range filter.

Type: TopicDateRangeFilter object

Required: No

FilterClass

The class of the filter. Valid values for this structure are `ENFORCED_VALUE_FILTER`, `CONDITIONAL_VALUE_FILTER`, and `NAMED_VALUE_FILTER`.

Type: String

Valid Values: `ENFORCED_VALUE_FILTER | CONDITIONAL_VALUE_FILTER | NAMED_VALUE_FILTER`

Required: No

FilterDescription

A description of the filter used to select items for a topic.

Type: String

Length Constraints: Maximum length of 256.

Required: No

FilterSynonyms

The other names or aliases for the filter.

Type: Array of strings

Length Constraints: Maximum length of 256.

Required: No

FilterType

The type of the filter. Valid values for this structure are `CATEGORY_FILTER`, `NUMERIC_EQUALITY_FILTER`, `NUMERIC_RANGE_FILTER`, `DATE_RANGE_FILTER`, and `RELATIVE_DATE_FILTER`.

Type: String

Valid Values: `CATEGORY_FILTER | NUMERIC_EQUALITY_FILTER | NUMERIC_RANGE_FILTER | DATE_RANGE_FILTER | RELATIVE_DATE_FILTER`

Required: No

NumericEqualityFilter

The numeric equality filter.

Type: TopicNumericEqualityFilter object

Required: No

NumericRangeFilter

The numeric range filter.

Type: TopicNumericRangeFilter object

Required: No

RelativeDateFilter

The relative date filter.

Type: TopicRelativeDateFilter object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicIR

The definition for a `TopicIR`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContributionAnalysis

The contribution analysis for the `TopicIR`.

Type: TopicIRContributionAnalysis object

Required: No

Filters

The filters for the `TopicIR`.

Type: Array of arrays of TopicIRFilterOption objects

Array Members: Maximum number of 2000 items.

Array Members: Maximum number of 2000 items.

Required: No

GroupByList

The GroupBy list for the `TopicIR`.

Type: Array of TopicIRGroupBy objects

Array Members: Maximum number of 2000 items.

Required: No

Metrics

The metrics for the `TopicIR`.

Type: Array of TopicIRMetric objects

Array Members: Maximum number of 2000 items.

Required: No

Sort

The sort for the `TopicIR`.

Type: TopicSortClause object

Required: No

Visual

The visual for the `TopicIR`.

Type: VisualOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicIRComparisonMethod

The definition of a `TopicIRComparisonMethod`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Period

The period for the `TopicIRComparisonMethod`.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

Type

The type for the `TopicIRComparisonMethod`.

Type: String

Valid Values: `DIFF | PERC_DIFF | DIFF_AS_PERC | POP_CURRENT_DIFF_AS_PERC | POP_CURRENT_DIFF | POP_OVERTIME_DIFF_AS_PERC | POP_OVERTIME_DIFF | PERCENT_OF_TOTAL | RUNNING_SUM | MOVING_AVERAGE`

Required: No

WindowSize

The window size for the `TopicIRComparisonMethod`.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicIRContributionAnalysis

The definition for a `TopicIRContributionAnalysis`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Direction

The direction for the `TopicIRContributionAnalysis`.

Type: String

Valid Values: `INCREASE | DECREASE | NEUTRAL`

Required: No

Factors

The factors for a `TopicIRContributionAnalysis`.

Type: Array of ContributionAnalysisFactor objects

Array Members: Maximum number of 50 items.

Required: No

SortType

The sort type for the `TopicIRContributionAnalysis`.

Type: String

Valid Values: `ABSOLUTE_DIFFERENCE | CONTRIBUTION_PERCENTAGE | DEVIATION_FROM_EXPECTED | PERCENTAGE_DIFFERENCE`

Required: No

TimeRanges

The time ranges for the `TopicIRContributionAnalysis`.

Type: ContributionAnalysisTimeRanges object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicIRFilterOption

The definition for a `TopicIRFilterOption`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AggMetrics

The agg metrics for the `TopicIRFilterOption`.

Type: Array of FilterAggMetrics objects

Array Members: Maximum number of 100 items.

Required: No

Aggregation

The aggregation for the `TopicIRFilterOption`.

Type: String

Valid Values: `SUM | MIN | MAX | COUNT | AVERAGE | DISTINCT_COUNT | STDEV | STDEVP | VAR | VARP | PERCENTILE | MEDIAN | PTD_SUM | PTD_MIN | PTD_MAX | PTD_COUNT | PTD_DISTINCT_COUNT | PTD_AVERAGE | COLUMN | CUSTOM`

Required: No

AggregationFunctionParameters

The aggregation function parameters for the `TopicIRFilterOption`.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 256.

Value Length Constraints: Maximum length of 1024.

Required: No

AggregationPartitionBy

The `AggregationPartitionBy` for the `TopicIRFilterOption`.

Type: Array of AggregationPartitionBy objects

Array Members: Maximum number of 50 items.

Required: No

Anchor

The anchor for the `TopicIRFilterOption`.

Type: Anchor object

Required: No

Constant

The constant for the `TopicIRFilterOption`.

Type: TopicConstantValue object

Required: No

FilterClass

The filter class for the `TopicIRFilterOption`.

Type: String

Valid Values: `ENFORCED_VALUE_FILTER | CONDITIONAL_VALUE_FILTER | NAMED_VALUE_FILTER`

Required: No

FilterType

The filter type for the `TopicIRFilterOption`.

Type: String

Valid Values: `CATEGORY_FILTER | NUMERIC_EQUALITY_FILTER | NUMERIC_RANGE_FILTER | DATE_RANGE_FILTER | RELATIVE_DATE_FILTER | TOP_BOTTOM_FILTER | EQUALS | RANK_LIMIT_FILTER | ACCEPT_ALL_FILTER`

Required: No

Function

The function for the `TopicIRFilterOption`.

Type: String

Valid Values: `CONTAINS | EXACT | STARTS_WITH | ENDS_WITH | CONTAINS_STRING | PREVIOUS | THIS | LAST | NEXT | NOW`

Required: No

Inclusive

The inclusive for the `TopicIRFilterOption`.

Type: Boolean

Required: No

Inverse

The inverse for the `TopicIRFilterOption`.

Type: Boolean

Required: No

LastNextOffset

The last next offset for the `TopicIRFilterOption`.

Type: TopicConstantValue object

Required: No

NullFilter

The null filter for the `TopicIRFilterOption`.

Type: String

Valid Values: `ALL_VALUES | NON_NULLS_ONLY | NULLS_ONLY`

Required: No

OperandField

The operand field for the `TopicIRFilterOption`.

Type: Identifier object

Required: No

Range

The range for the `TopicIRFilterOption`.

Type: TopicConstantValue object

Required: No

SortDirection

The sort direction for the `TopicIRFilterOption`.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

TimeGranularity

The time granularity for the `TopicIRFilterOption`.

Type: String

Valid Values: `YEAR | QUARTER | MONTH | WEEK | DAY | HOUR | MINUTE | SECOND | MILLISECOND`

Required: No

TopBottomLimit

The `TopBottomLimit` for the `TopicIRFilterOption`.

Type: TopicConstantValue object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicIRGroupBy

The definition for a `TopicIRGroupBy`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DisplayFormat

The display format for the `TopicIRGroupBy`.

Type: String

Valid Values: `AUTO | PERCENT | CURRENCY | NUMBER | DATE | STRING`

Required: No

DisplayFormatOptions

A structure that represents additional options for display formatting.

Type: DisplayFormatOptions object

Required: No

FieldName

The field name for the `TopicIRGroupBy`.

Type: Identifier object

Required: No

NamedEntity

The named entity for the `TopicIRGroupBy`.

Type: NamedEntityRef object

Required: No

Sort

The sort for the `TopicIRGroupBy`.

Type: TopicSortClause object

Required: No

TimeGranularity

The time granularity for the `TopicIRGroupBy`.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicIRMetric

The definition for a `TopicIRMetric`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CalculatedFieldReferences

The calculated field references for the `TopicIRMetric`.

Type: Array of Identifier objects

Array Members: Maximum number of 250 items.

Required: No

ComparisonMethod

The comparison method for the `TopicIRMetric`.

Type: TopicIRComparisonMethod object

Required: No

DisplayFormat

The display format for the `TopicIRMetric`.

Type: String

Valid Values: `AUTO | PERCENT | CURRENCY | NUMBER | DATE | STRING`

Required: No

DisplayFormatOptions

A structure that represents additional options for display formatting.

Type: DisplayFormatOptions object

Required: No

Expression

The expression for the `TopicIRMetric`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: No

Function

The function for the `TopicIRMetric`.

Type: AggFunction object

Required: No

MetricId

The metric ID for the `TopicIRMetric`.

Type: Identifier object

Required: No

NamedEntity

The named entity for the `TopicIRMetric`.

Type: NamedEntityRef object

Required: No

Operands

The operands for the `TopicIRMetric`.

Type: Array of Identifier objects

Array Members: Maximum number of 25 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicNamedEntity

A structure that represents a named entity.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

EntityName

The name of the named entity.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

Definition

The definition of a named entity.

Type: Array of NamedEntityDefinition objects

Required: No

EntityDescription

The description of the named entity.

Type: String

Length Constraints: Maximum length of 256.

Required: No

EntitySynonyms

The other names or aliases for the named entity.

Type: Array of strings

Length Constraints: Maximum length of 256.

Required: No

SemanticEntityType

The type of named entity that a topic represents.

Type: SemanticEntityType object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicNumericEqualityFilter

A filter that filters topics based on the value of a numeric field. The filter includes only topics whose numeric field value matches the specified value.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Aggregation

An aggregation function that specifies how to calculate the value of a numeric field for a topic. Valid values for this structure are `NO_AGGREGATION`, `SUM`, `AVERAGE`, `COUNT`, `DISTINCT_COUNT`, `MAX`, `MEDIAN`, `MIN`, `STDEV`, `STDEVP`, `VAR`, and `VARP`.

Type: String

Valid Values: `NO_AGGREGATION | SUM | AVERAGE | COUNT | DISTINCT_COUNT | MAX | MEDIAN | MIN | STDEV | STDEVP | VAR | VARP`

Required: No

Constant

The constant used in a numeric equality filter.

Type: TopicSingularFilterConstant object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

TopicNumericRangeFilter

A filter that filters topics based on the value of a numeric field. The filter includes only topics whose numeric field value falls within the specified range.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Aggregation

An aggregation function that specifies how to calculate the value of a numeric field for a topic, Valid values for this structure are `NO_AGGREGATION`, `SUM`, `AVERAGE`, `COUNT`, `DISTINCT_COUNT`, `MAX`, `MEDIAN`, `MIN`, `STDEV`, `STDEVP`, `VAR`, and `VARP`.

Type: String

Valid Values: `NO_AGGREGATION | SUM | AVERAGE | COUNT | DISTINCT_COUNT | MAX | MEDIAN | MIN | STDEV | STDEVP | VAR | VARP`

Required: No

Constant

The constant used in a numeric range filter.

Type: TopicRangeFilterConstant object

Required: No

Inclusive

A Boolean value that indicates whether the endpoints of the numeric range are included in the filter. If set to true, topics whose numeric field value is equal to the endpoint values will be included in the filter. If set to false, topics whose numeric field value is equal to the endpoint values will be excluded from the filter.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicRangeFilterConstant

A constant value that is used in a range filter to specify the endpoints of the range.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConstantType

The data type of the constant value that is used in a range filter. Valid values for this structure are `RANGE`.

Type: String

Valid Values: `SINGULAR | RANGE | COLLECTIVE`

Required: No

RangeConstant

The value of the constant that is used to specify the endpoints of a range filter.

Type: RangeConstant object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicRefreshDetails

The details about the refresh of a topic.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

RefreshArn

The Amazon Resource Name (ARN) of the topic refresh.

Type: String

Required: No

RefreshId

The ID of the refresh, which occurs as a result of topic creation or topic update.

Type: String

Required: No

RefreshStatus

The status of the refresh job that indicates whether the job is still running, completed successfully, or failed.

Type: String

Valid Values: `INITIALIZED | RUNNING | FAILED | COMPLETED | CANCELLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicRefreshSchedule

A structure that represents a topic refresh schedule.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BasedOnSpiceSchedule

A Boolean value that controls whether to schedule runs at the same schedule that is specified in SPICE dataset.

Type: Boolean

Required: Yes

IsEnabled

A Boolean value that controls whether to schedule is enabled.

Type: Boolean

Required: Yes

RepeatAt

The time of day when the refresh should run, for example, Monday-Sunday.

Type: String

Length Constraints: Maximum length of 256.

Required: No

StartingAt

The starting date and time for the refresh schedule.

Type: Timestamp

Required: No

Timezone

The timezone that you want the refresh schedule to use.

Type: String

Length Constraints: Maximum length of 256.

Required: No

TopicScheduleType

The type of refresh schedule. Valid values for this structure are `HOURLY`, `DAILY`, `WEEKLY`, and `MONTHLY`.

Type: String

Valid Values: `HOURLY | DAILY | WEEKLY | MONTHLY`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicRefreshScheduleSummary

A summary of the refresh schedule details for a dataset.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

DatasetArn

The Amazon Resource Name (ARN) of the dataset.

Type: String

Required: No

DatasetId

The ID of the dataset.

Type: String

Length Constraints: Maximum length of 256.

Required: No

DatasetName

The name of the dataset.

Type: String

Length Constraints: Maximum length of 256.

Required: No

RefreshSchedule

The definition of a refresh schedule.

Type: TopicRefreshSchedule object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicRelativeDateFilter

A structure that represents a relative date filter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Constant

The constant used in a relative date filter.

Type: TopicSingularFilterConstant object

Required: No

RelativeDateFilterFunction

The function to be used in a relative date filter to determine the range of dates to include in the results. Valid values for this structure are `BEFORE`, `AFTER`, and `BETWEEN`.

Type: String

Valid Values: `PREVIOUS | THIS | LAST | NEXT | NOW`

Required: No

TimeGranularity

The level of time precision that is used to aggregate `DateTime` values.

Type: String

Valid Values: `SECOND | MINUTE | HOUR | DAY | WEEK | MONTH | QUARTER | YEAR`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicReviewedAnswer

The deinition for a `TopicReviewedAnswer`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AnswerId

The answer ID of the reviewed answer.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: Yes

DatasetArn

The Dataset ARN for the `TopicReviewedAnswer`.

Type: String

Required: Yes

Question

The question for the `TopicReviewedAnswer`.

Type: String

Length Constraints: Maximum length of 256.

Required: Yes

Arn

The Amazon Resource Name (ARN) of the reviewed answer.

Type: String

Required: No

Mir

The mir for the `TopicReviewedAnswer`.

Type: TopicIR object

Required: No

PrimaryVisual

The primary visual for the `TopicReviewedAnswer`.

Type: TopicVisual object

Required: No

Template

The template for the `TopicReviewedAnswer`.

Type: TopicTemplate object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicSearchFilter

The filter that is used to search for a topic.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Name

The name of the topic search filter.

Type: String

Valid Values: `QUICKSIGHT_USER | QUICKSIGHT_VIEWER_OR_OWNER | DIRECT_QUICKSIGHT_VIEWER_OR_OWNER | QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_OWNER | DIRECT_QUICKSIGHT_SOLE_OWNER | TOPIC_NAME`

Required: Yes

Operator

The operator like equals or like.

Type: String

Valid Values: `StringEquals | StringLike`

Required: Yes

Value

The value of the topic search filter.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicSingularFilterConstant

A structure that represents a singular filter constant, used in filters to specify a single value to match against.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ConstantType

The type of the singular filter constant. Valid values for this structure are `SINGULAR`.

Type: String

Valid Values: `SINGULAR | RANGE | COLLECTIVE`

Required: No

SingularConstant

The value of the singular filter constant.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicSortClause

The definition for a `TopicSortClause`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Operand

The operand for a `TopicSortClause`.

Type: Identifier object

Required: No

SortDirection

The sort direction for the `TopicSortClause`.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicSummary

A topic summary.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the topic.

Type: String

Required: No

Name

The name of the topic.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TopicId

The ID for the topic. This ID is unique per Amazon Web Services Region for each Amazon account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^[A-Za-z0-9-_.\\+]*$`

Required: No

UserExperienceVersion

The user experience version of the topic.

Type: String

Valid Values: `LEGACY | NEW_READER_EXPERIENCE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicTemplate

The definition for a `TopicTemplate`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Slots

The slots for the `TopicTemplate`.

Type: Array of Slot objects

Required: No

TemplateType

The template type for the `TopicTemplate`.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TopicVisual

The definition for a `TopicVisual`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Ir

The ir for the `TopicVisual`.

Type: TopicIR object

Required: No

Role

The role for the `TopicVisual`.

Type: String

Valid Values: `PRIMARY | COMPLIMENTARY | MULTI_INTENT | FALLBACK | FRAGMENT`

Required: No

SupportingVisuals

The supporting visuals for the `TopicVisual`.

Type: Array of TopicVisual objects

Required: No

VisualId

The visual ID for the `TopicVisual`.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TotalAggregationComputation

The total aggregation computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of a computation.

Type: String

Required: No

Value

The value field that is used in a computation.

Type: MeasureField object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TotalAggregationFunction

An aggregation function that aggregates the total values of a measure.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

SimpleTotalAggregationFunction

A built in aggregation function for total values.

Type: String

Valid Values: `DEFAULT | SUM | AVERAGE | MIN | MAX | NONE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TotalAggregationOption

The total aggregation settings map of a field id.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FieldId

The field id that's associated with the total aggregation option.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

TotalAggregationFunction

The total aggregation function that you want to set for a specified field id.

Type: TotalAggregationFunction object

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TotalOptions

The total options for a table visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CustomLabel

The custom label string for the total cells.

Type: String

Required: No

Placement

The placement (start, end) for the total cells.

Type: String

Valid Values: `START | END | AUTO`

Required: No

ScrollStatus

The scroll status (pinned, scrolled) for the total cells.

Type: String

Valid Values: `PINNED | SCROLLED`

Required: No

TotalAggregationOptions

The total aggregation settings for each value field.

Type: Array of TotalAggregationOption objects

Array Members: Maximum number of 200 items.

Required: No

TotalCellStyle

Cell styling options for the total cells.

Type: TableCellStyle object

Required: No

TotalsVisibility

The visibility configuration for the total cells.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TransformOperation

A data transformation on a logical table. This is a variant type structure. For this structure to be valid, only one of the attributes can be non-null.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CastColumnTypeOperation

A transform operation that casts a column to a different type.

Type: CastColumnTypeOperation object

Required: No

CreateColumnsOperation

An operation that creates calculated columns. Columns created in one such operation form a lexical closure.

Type: CreateColumnsOperation object

Required: No

FilterOperation

An operation that filters rows based on some condition.

Type: FilterOperation object

Required: No

OverrideDatasetParameterOperation

A transform operation that overrides the dataset parameter values that are defined in another dataset.

Type: OverrideDatasetParameterOperation object

Required: No

ProjectOperation

An operation that projects columns. Operations that come after a projection can only refer to projected columns.

Type: ProjectOperation object

Required: No

RenameColumnOperation

An operation that renames a column.

Type: RenameColumnOperation object

Required: No

TagColumnOperation

An operation that tags a column with additional information.

Type: TagColumnOperation object

Required: No

UntagColumnOperation

A transform operation that removes tags associated with a column.

Type: UntagColumnOperation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TransposedTableOption

The column option of the transposed table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnType

The column type of the column in a transposed table. Choose one of the following options:

- `ROW_HEADER_COLUMN`: Refers to the leftmost column of the row header in the transposed table.
- `VALUE_COLUMN`: Refers to all value columns in the transposed table.

Type: String

Valid Values: `ROW_HEADER_COLUMN | VALUE_COLUMN`

Required: Yes

ColumnIndex

The index of a columns in a transposed table. The index range is 0-9999.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 9999.

Required: No

ColumnWidth

The width of a column in a transposed table.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TreeMapAggregatedFieldWells

Aggregated field wells of a tree map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Colors

The color field well of a tree map. Values are grouped by aggregations based on group by fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

Groups

The group by field well of a tree map. Values are grouped based on group by fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 1 item.

Required: No

Sizes

The size field well of a tree map. Values are aggregated based on group by fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TreeMapConfiguration

The configuration of a tree map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColorLabelOptions

The label options (label text, label visibility) for the colors displayed in a tree map.

Type: ChartAxisLabelOptions object

Required: No

ColorScale

The color options (gradient color, point of divergence) of a tree map.

Type: ColorScale object

Required: No

DataLabels

The options that determine if visual data labels are displayed.

Type: DataLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: TreeMapFieldWells object

Required: No

GroupLabelOptions

The label options (label text, label visibility) of the groups that are displayed in a tree map.

Type: ChartAxisLabelOptions object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend display setup of the visual.

Type: LegendOptions object

Required: No

SizeLabelOptions

The label options (label text, label visibility) of the sizes that are displayed in a tree map.

Type: ChartAxisLabelOptions object

Required: No

SortConfiguration

The sort configuration of a tree map.

Type: TreeMapSortConfiguration object

Required: No

Tooltip

The tooltip display setup of the visual.

Type: TooltipOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TreeMapFieldWells

The field wells of a tree map.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TreeMapAggregatedFieldWells

The aggregated field wells of a tree map.

Type: TreeMapAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TreeMapSortConfiguration

The sort configuration of a tree map.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TreeMapGroupItemsLimitConfiguration

The limit on the number of groups that are displayed.

Type: ItemsLimitConfiguration object

Required: No

TreeMapSort

The sort configuration of group by fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TreeMapVisual

A tree map.

For more information, see Using tree maps in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: TreeMapConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TrendArrowOptions

The options that determine the presentation of trend arrows in a KPI visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Visibility

The visibility of the trend arrows.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TrinoParameters

The parameters that are required to connect to a Trino data source.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Catalog

The catalog name for the Trino data source.

Type: String

Length Constraints: Maximum length of 128.

Required: Yes

Host

The host name of the Trino data source.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Port

The port for the Trino data source.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

TwitterParameters

The parameters for Twitter.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

MaxRows

Maximum number of rows to query Twitter.

Type: Integer

Valid Range: Minimum value of 1.

Required: Yes

Query

Twitter query string.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Typography

Determines the typography options.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FontFamilies

Determines the list of font families.

Type: Array of Font objects

Array Members: Maximum number of 5 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UIColorPalette

The theme colors that apply to UI and to charts, excluding data colors. The colors description is a hexadecimal color code that consists of six alphanumerical characters, prefixed with #, for example #37BFF5. For more information, see Using Themes in Amazon QuickSight in the *Amazon QuickSight User Guide.*

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Accent

This color is that applies to selected states and buttons.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

AccentForeground

The foreground color that applies to any text or other elements that appear over the accent color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Danger

The color that applies to error messages.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

DangerForeground

The foreground color that applies to any text or other elements that appear over the error color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Dimension

The color that applies to the names of fields that are identified as dimensions.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

DimensionForeground

The foreground color that applies to any text or other elements that appear over the dimension color.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

Measure

The color that applies to the names of fields that are identified as measures.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

MeasureForeground

The foreground color that applies to any text or other elements that appear over the measure color.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

PrimaryBackground

The background color that applies to visuals and other high emphasis UI.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

PrimaryForeground

The color of text and other foreground elements that appear over the primary background regions, such as grid lines, borders, table banding, icons, and so on.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

SecondaryBackground

The background color that applies to the sheet background and sheet controls.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

SecondaryForeground

The foreground color that applies to any sheet title, sheet control text, or UI that appears over the secondary background.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

Success

The color that applies to success messages, for example the check mark for a successful download.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

SuccessForeground

The foreground color that applies to any text or other elements that appear over the success color.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

Warning

This color that applies to warning and informational messages.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

WarningForeground

The foreground color that applies to any text or other elements that appear over the warning color.

Type: String

Pattern: ^#[A-F0-9]{6}$

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UnaggregatedField

The unaggregated field for a table.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Column

The column that is used in the `UnaggregatedField`.

Type: ColumnIdentifier object

Required: Yes

FieldId

The custom field ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

FormatConfiguration

The format configuration of the field.

Type: FormatConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++

- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UniqueKey

A `UniqueKey` configuration that references a dataset column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnNames

The name of the column that is referenced in the `UniqueKey` configuration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UniqueValuesComputation

The unique values computation configuration.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ComputationId

The ID for a computation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Category

The category field that is used in a computation.

Type: DimensionField object

Required: No

Name

The name of a computation.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UntagColumnOperation

A transform operation that removes tags associated with a column.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ColumnName

The column that this operation acts on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

TagNames

The column tags to remove from this column.

Type: Array of strings

Valid Values: `COLUMN_GEOGRAPHIC_ROLE | COLUMN_DESCRIPTION`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

UploadSettings

Information about the format for a source file or files.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContainsHeader

Whether the file has a header row, or the files each have a header row.

Type: Boolean

Required: No

Delimiter

The delimiter between values in the file.

Type: String

Length Constraints: Fixed length of 1.

Required: No

Format

File format.

Type: String

Valid Values: `CSV | TSV | CLF | ELF | XLSX | JSON`

Required: No

StartFromRow

A row number to start reading data from.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

TextQualifier

Text qualifier.

Type: String

Valid Values: `DOUBLE_QUOTE | SINGLE_QUOTE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

User

A registered user of Amazon QuickSight.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Active

The active status of user. When you create an Amazon QuickSight user that's not an IAM user or an Active Directory user, that user is inactive until they sign in and provide a password.

Type: Boolean

Required: No

Arn

The Amazon Resource Name (ARN) for the user.

Type: String

Required: No

CustomPermissionsName

The custom permissions profile associated with this user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9+=,.@_-]+$`

Required: No

Email

The user's email address.

Type: String

Required: No

ExternalLoginFederationProviderType

The type of supported external login provider that provides identity to let the user federate into Amazon QuickSight with an associated IAM role. The type can be one of the following.

- `COGNITO`: Amazon Cognito. The provider URL is cognito-identity.amazonaws.com.
- `CUSTOM_OIDC`: Custom OpenID Connect (OIDC) provider.

Type: String

Required: No

ExternalLoginFederationProviderUrl

The URL of the external login provider.

Type: String

Required: No

ExternalLoginId

The identity ID for the user in the external login provider.

Type: String

Required: No

IdentityType

The type of identity authentication used by the user.

Type: String

Valid Values: `IAM | QUICKSIGHT | IAM_IDENTITY_CENTER`

Required: No

PrincipalId

The principal ID of the user.

Type: String

Required: No

Role

The Amazon QuickSight role for the user. The user role can be one of the following:.

- READER: A user who has read-only access to dashboards.
- AUTHOR: A user who can create data sources, datasets, analyses, and dashboards.
- ADMIN: A user who is an author, who can also manage Amazon Amazon QuickSight settings.
- READER_PRO: Reader Pro adds Generative BI capabilities to the Reader role. Reader Pros have access to Amazon Q in Amazon QuickSight, can build stories with Amazon Q, and can generate executive summaries from dashboards.
- AUTHOR_PRO: Author Pro adds Generative BI capabilities to the Author role. Author Pros can author dashboards with natural language with Amazon Q, build stories with Amazon Q, create Topics for Q&A, and generate executive summaries from dashboards.
- ADMIN_PRO: Admin Pros are Author Pros who can also manage Amazon QuickSight administrative settings. Admin Pro users are billed at Author Pro pricing.
- RESTRICTED_READER: This role isn't currently available for use.
- RESTRICTED_AUTHOR: This role isn't currently available for use.

Type: String

Valid Values: ADMIN | AUTHOR | READER | RESTRICTED_AUTHOR | RESTRICTED_READER | ADMIN_PRO | AUTHOR_PRO | READER_PRO

Required: No

UserName

The user's user name. This value is required if you are registering a user that will be managed in Amazon QuickSight. In the output, the value for UserName is N/A when the value for IdentityType is IAM and the corresponding IAM user is deleted.

Type: String

Length Constraints: Minimum length of 1.

Pattern: [\u0020-\u00FF]+

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

ValidationStrategy

The option to relax the validation that is required to create and update analyses, dashboards, and templates with definition objects. When you set this value to `LENIENT`, validation is skipped for specific errors.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Mode

The mode of validation for the asset to be created or updated. When you set this value to `STRICT`, strict validation for every error is enforced. When you set this value to `LENIENT`, validation is skipped for specific UI errors.

Type: String

Valid Values: `STRICT | LENIENT`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisibleRangeOptions

The range options for the data zoom scroll bar.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

PercentRange

The percent range in the visible range.

Type: PercentVisibleRange object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Visual

A visual displayed on a sheet in an analysis, dashboard, or template.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BarChartVisual

A bar chart.

For more information, see Using bar charts in the *Amazon QuickSight User Guide*.

Type: BarChartVisual object

Required: No

BoxPlotVisual

A box plot.

For more information, see Using box plots in the *Amazon QuickSight User Guide*.

Type: BoxPlotVisual object

Required: No

ComboChartVisual

A combo chart.

For more information, see Using combo charts in the *Amazon QuickSight User Guide*.

Type: ComboChartVisual object

Required: No

CustomContentVisual

A visual that contains custom content.

For more information, see Using custom visual content in the *Amazon QuickSight User Guide*.

Type: CustomContentVisual object

Required: No

EmptyVisual

An empty visual.

Type: EmptyVisual object

Required: No

FilledMapVisual

A filled map.

For more information, see Creating filled maps in the *Amazon QuickSight User Guide*.

Type: FilledMapVisual object

Required: No

FunnelChartVisual

A funnel chart.

For more information, see Using funnel charts in the *Amazon QuickSight User Guide*.

Type: FunnelChartVisual object

Required: No

GaugeChartVisual

A gauge chart.

For more information, see Using gauge charts in the *Amazon QuickSight User Guide*.

Type: GaugeChartVisual object

Required: No

GeospatialMapVisual

A geospatial map or a points on map visual.

For more information, see Creating point maps in the *Amazon QuickSight User Guide*.

Type: GeospatialMapVisual object

Required: No

HeatMapVisual

A heat map.

For more information, see Using heat maps in the *Amazon QuickSight User Guide*.

Type: HeatMapVisual object

Required: No

HistogramVisual

A histogram.

For more information, see Using histograms in the *Amazon QuickSight User Guide*.

Type: HistogramVisual object

Required: No

InsightVisual

An insight visual.

For more information, see Working with insights in the *Amazon QuickSight User Guide*.

Type: InsightVisual object

Required: No

KPIVisual

A key performance indicator (KPI).

For more information, see Using KPIs in the *Amazon QuickSight User Guide*.

Type: KPIVisual object

Required: No

LayerMapVisual

The properties for a layer map visual

Type: LayerMapVisual object

Required: No

LineChartVisual

A line chart.

For more information, see Using line charts in the *Amazon QuickSight User Guide*.

Type: LineChartVisual object

Required: No

PieChartVisual

A pie or donut chart.

For more information, see Using pie charts in the *Amazon QuickSight User Guide*.

Type: PieChartVisual object

Required: No

PivotTableVisual

A pivot table.

For more information, see Using pivot tables in the *Amazon QuickSight User Guide*.

Type: PivotTableVisual object

Required: No

PluginVisual

The custom plugin visual type.

Type: PluginVisual object

Required: No

RadarChartVisual

A radar chart visual.

For more information, see Using radar charts in the *Amazon QuickSight User Guide*.

Type: RadarChartVisual object

Required: No

SankeyDiagramVisual

A sankey diagram.

For more information, see Using Sankey diagrams in the *Amazon QuickSight User Guide*.

Type: SankeyDiagramVisual object

Required: No

ScatterPlotVisual

A scatter plot.

For more information, see Using scatter plots in the *Amazon QuickSight User Guide*.

Type: ScatterPlotVisual object

Required: No

TableVisual

A table visual.

For more information, see Using tables as visuals in the *Amazon QuickSight User Guide*.

Type: TableVisual object

Required: No

TreeMapVisual

A tree map.

For more information, see Using tree maps in the *Amazon QuickSight User Guide*.

Type: TreeMapVisual object

Required: No

WaterfallVisual

A waterfall chart.

For more information, see Using waterfall charts in the *Amazon QuickSight User Guide*.

Type: WaterfallVisual object

Required: No

WordCloudVisual

A word cloud.

For more information, see Using word clouds in the *Amazon QuickSight User Guide*.

Type: WordCloudVisual object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualAxisSortOption

The axis sort options for a visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The availaiblity status of a visual's axis sort options.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualCustomAction

A custom action defined on a visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ActionOperations

A list of `VisualCustomActionOperations`.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Type: Array of VisualCustomActionOperation objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: Yes

CustomActionId

The ID of the `VisualCustomAction`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Name

The name of the `VisualCustomAction`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

Trigger

The trigger of the `VisualCustomAction`.

Valid values are defined as follows:

- `DATA_POINT_CLICK`: Initiates a custom action by a left pointer click on a data point.
- `DATA_POINT_MENU`: Initiates a custom action by right pointer click from the menu.

Type: String

Valid Values: `DATA_POINT_CLICK | DATA_POINT_MENU`

Required: Yes

Status

The status of the `VisualCustomAction`.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualCustomActionDefaults

A list of custom actions applied to visuals in an analysis or sheet.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

highlightOperation

A list of highlight operations available for visuals in an analysis or sheet.

Type: VisualHighlightOperation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualCustomActionOperation

The operation that is defined by the custom action.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FilterOperation

The filter operation that filters data included in a visual or in an entire sheet.

Type: CustomActionFilterOperation object

Required: No

NavigationOperation

The navigation operation that navigates between different sheets in the same analysis.

Type: CustomActionNavigationOperation object

Required: No

SetParametersOperation

The set parameter operation that sets parameters in custom action.

Type: CustomActionSetParametersOperation object

Required: No

URLOperation

The URL operation that opens a link to another webpage.

Type: CustomActionURLOperation object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualHighlightOperation

Defines what initiates a highlight operation on a visual, such as a click or hover.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Trigger

Specifies whether a highlight operation is initiated by a click or hover, or whether it's disabled.

Type: String

Valid Values: `DATA_POINT_CLICK | DATA_POINT_HOVER | NONE`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualInteractionOptions

The general visual interactions setup for visual publish options

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ContextMenuOption

The context menu options for a visual.

Type: ContextMenuOption object

Required: No

VisualMenuOption

The on-visual menu options for a visual.

Type: VisualMenuOption object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualMenuOption

The menu options for a visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

AvailabilityStatus

The availaiblity status of a visual's menu options.

Type: String

Valid Values: `ENABLED | DISABLED`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualOptions

The definition for a `VisualOptions`.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

type

The type for a `VisualOptions`.

Type: String

Length Constraints: Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualPalette

The visual display options for the visual palette.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

ChartColor

The chart color options for the visual palette.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

ColorMap

The color map options for the visual palette.

Type: Array of DataPathColor objects

Array Members: Maximum number of 5000 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualSubtitleLabelOptions

The subtitle label options for a visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FormatText

The long text format of the subtitle label, such as plain text or rich text.

Type: LongFormatText object

Required: No

Visibility

The visibility of the subtitle label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VisualTitleLabelOptions

The title label options for a visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

FormatText

The short text format of the title label, such as plain text or rich text.

Type: ShortFormatText object

Required: No

Visibility

The visibility of the title label.

Type: String

Valid Values: `HIDDEN | VISIBLE`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VPCConnection

The structure of a VPC connection.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the VPC connection.

Type: String

Required: No

AvailabilityStatus

The availability status of the VPC connection.

Type: String

Valid Values: `AVAILABLE | UNAVAILABLE | PARTIALLY_AVAILABLE`

Required: No

CreatedTime

The time that the VPC connection was created.

Type: Timestamp

Required: No

DnsResolvers

A list of IP addresses of DNS resolver endpoints for the VPC connection.

Type: Array of strings

Required: No

LastUpdatedTime

The time that the VPC connection was last updated.

Type: Timestamp

Required: No

Name

The display name for the VPC connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

NetworkInterfaces

A list of network interfaces.

Type: Array of NetworkInterface objects

Required: No

RoleArn

The ARN of the IAM role associated with the VPC connection.

Type: String

Required: No

SecurityGroupIds

The Amazon EC2 security group IDs associated with the VPC connection.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^sg-[0-9a-z]*$`

Required: No

Status

The status of the VPC connection.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETION_IN_PROGRESS | DELETION_FAILED | DELETED`

Required: No

VPCConnectionId

The ID of the VPC connection that you're creating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

VPCId

The Amazon EC2 VPC ID associated with the VPC connection.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VpcConnectionProperties

VPC connection properties.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VpcConnectionArn

The Amazon Resource Name (ARN) for the VPC connection.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

VPCConnectionSummary

The summary metadata that describes a VPC connection.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Arn

The Amazon Resource Name (ARN) of the VPC connection.

Type: String

Required: No

AvailabilityStatus

The availability status of the VPC connection.

Type: String

Valid Values: `AVAILABLE | UNAVAILABLE | PARTIALLY_AVAILABLE`

Required: No

CreatedTime

The time that the VPC connection was created.

Type: Timestamp

Required: No

DnsResolvers

A list of IP addresses of DNS resolver endpoints for the VPC connection.

Type: Array of strings

Required: No

LastUpdatedTime

The time that the VPC connection was last updated.

Type: Timestamp

Required: No

Name

The display name for the VPC connection.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

NetworkInterfaces

A list of network interfaces.

Type: Array of NetworkInterface objects

Required: No

RoleArn

The ARN of the IAM role associated with the VPC connection.

Type: String

Required: No

SecurityGroupIds

The Amazon EC2 security group IDs associated with the VPC connection.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^sg-[0-9a-z]*$`

Required: No

Status

The status of the VPC connection.

Type: String

Valid Values: `CREATION_IN_PROGRESS | CREATION_SUCCESSFUL | CREATION_FAILED | UPDATE_IN_PROGRESS | UPDATE_SUCCESSFUL | UPDATE_FAILED | DELETION_IN_PROGRESS | DELETION_FAILED | DELETED`

Required: No

VPCConnectionId

The ID of the VPC connection that you're creating. This ID is a unique identifier for each Amazon Web Services Region in an Amazon account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

VPCId

The Amazon EC2 VPC ID associated with the VPC connection.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartAggregatedFieldWells

The field well configuration of a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Breakdowns

The breakdown field wells of a waterfall visual.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Categories

The category field wells of a waterfall visual.

Type: Array of DimensionField objects

Array Members: Maximum number of 200 items.

Required: No

Values

The value field wells of a waterfall visual.

Type: Array of MeasureField objects

Array Members: Maximum number of 200 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartColorConfiguration

The color configuration of a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GroupColorConfiguration

The color configuration for individual groups within a waterfall visual.

Type: WaterfallChartGroupColorConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartConfiguration

The configuration for a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryAxisDisplayOptions

The options that determine the presentation of the category axis.

Type: AxisDisplayOptions object

Required: No

CategoryAxisLabelOptions

The options that determine the presentation of the category axis label.

Type: ChartAxisLabelOptions object

Required: No

ColorConfiguration

The color configuration of a waterfall visual.

Type: WaterfallChartColorConfiguration object

Required: No

DataLabels

The data label configuration of a waterfall visual.

Type: DataLabelOptions object

Required: No

FieldWells

The field well configuration of a waterfall visual.

Type: WaterfallChartFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

Legend

The legend configuration of a waterfall visual.

Type: LegendOptions object

Required: No

PrimaryYAxisDisplayOptions

The options that determine the presentation of the y-axis.

Type: AxisDisplayOptions object

Required: No

PrimaryYAxisLabelOptions

The options that determine the presentation of the y-axis label.

Type: ChartAxisLabelOptions object

Required: No

SortConfiguration

The sort configuration of a waterfall visual.

Type: WaterfallChartSortConfiguration object

Required: No

VisualPalette

The visual palette configuration of a waterfall visual.

Type: VisualPalette object

Required: No

WaterfallChartOptions

The options that determine the presentation of a waterfall visual.

Type: WaterfallChartOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartFieldWells

The field well configuration of a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

WaterfallChartAggregatedFieldWells

The field well configuration of a waterfall visual.

Type: WaterfallChartAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartGroupColorConfiguration

The color configuration for individual groups within a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

NegativeBarColor

Defines the color for the negative bars of a waterfall chart.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

PositiveBarColor

Defines the color for the positive bars of a waterfall chart.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

TotalBarColor

Defines the color for the total bars of a waterfall chart.

Type: String

Pattern: `^#[A-F0-9]{6}$`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartOptions

The options that determine the presentation of a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

TotalBarLabel

This option determines the total bar label of a waterfall visual.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallChartSortConfiguration

The sort configuration of a waterfall visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

BreakdownItemsLimit

The limit on the number of bar groups that are displayed.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of the category fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WaterfallVisual

A waterfall chart.

For more information, see Using waterfall charts in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration for a waterfall visual.

Type: WaterfallChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WhatIfPointScenario

Provides the forecast to meet the target for a particular date.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

Date

The date that you need the forecast results for.

Type: Timestamp

Required: Yes

Value

The target value that you want to meet for the provided date.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WhatIfRangeScenario

Provides the forecast to meet the target for a particular date range.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

EndDate

The end date in the date range that you need the forecast results for.

Type: Timestamp

Required: Yes

StartDate

The start date in the date range that you need the forecast results for.

Type: Timestamp

Required: Yes

Value

The target value that you want to meet for the provided date range.

Type: Double

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2

- Amazon SDK for Ruby V3

WordCloudAggregatedFieldWells

The aggregated field wells of a word cloud.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

GroupBy

The group by field well of a word cloud. Values are grouped by group by fields.

Type: Array of DimensionField objects

Array Members: Maximum number of 10 items.

Required: No

Size

The size field well of a word cloud. Values are aggregated based on group by fields.

Type: Array of MeasureField objects

Array Members: Maximum number of 1 item.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WordCloudChartConfiguration

The configuration of a word cloud visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryLabelOptions

The label options (label text, label visibility, and sort icon visibility) for the word cloud category.

Type: ChartAxisLabelOptions object

Required: No

FieldWells

The field wells of the visual.

Type: WordCloudFieldWells object

Required: No

Interactions

The general visual interactions setup for a visual.

Type: VisualInteractionOptions object

Required: No

SortConfiguration

The sort configuration of a word cloud visual.

Type: WordCloudSortConfiguration object

Required: No

WordCloudOptions

The options for a word cloud visual.

Type: WordCloudOptions object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WordCloudFieldWells

The field wells of a word cloud visual.

This is a union type structure. For this structure to be valid, only one of the attributes can be defined.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

WordCloudAggregatedFieldWells

The aggregated field wells of a word cloud.

Type: WordCloudAggregatedFieldWells object

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WordCloudOptions

The word cloud options for a word cloud visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CloudLayout

The cloud layout options (fluid, normal) of a word cloud.

Type: String

Valid Values: `FLUID | NORMAL`

Required: No

MaximumStringLength

The length limit of each word from 1-100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

WordCasing

The word casing options (lower_case, existing_case) for the words in a word cloud.

Type: String

Valid Values: `LOWER_CASE | EXISTING_CASE`

Required: No

WordOrientation

The word orientation options (horizontal, horizontal_and_vertical) for the words in a word cloud.

Type: String

Valid Values: `HORIZONTAL | HORIZONTAL_AND_VERTICAL`

Required: No

WordPadding

The word padding options (none, small, medium, large) for the words in a word cloud.

Type: String

Valid Values: `NONE | SMALL | MEDIUM | LARGE`

Required: No

WordScaling

The word scaling options (emphasize, normal) for the words in a word cloud.

Type: String

Valid Values: `EMPHASIZE | NORMAL`

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WordCloudSortConfiguration

The sort configuration of a word cloud visual.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

CategoryItemsLimit

The limit on the number of groups that are displayed in a word cloud.

Type: ItemsLimitConfiguration object

Required: No

CategorySort

The sort configuration of group by fields.

Type: Array of FieldSortOptions objects

Array Members: Maximum number of 100 items.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

WordCloudVisual

A word cloud.

For more information, see Using word clouds in the *Amazon QuickSight User Guide*.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

VisualId

The unique identifier of a visual. This identifier must be unique within the context of a dashboard, template, or analysis. Two dashboards, analyses, or templates can have visuals with the same identifiers..

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `[\w\-]+`

Required: Yes

Actions

The list of custom actions that are configured for a visual.

Type: Array of VisualCustomAction objects

Array Members: Maximum number of 10 items.

Required: No

ChartConfiguration

The configuration settings of the visual.

Type: WordCloudChartConfiguration object

Required: No

ColumnHierarchies

The column hierarchy that is used during drill-downs and drill-ups.

Type: Array of ColumnHierarchy objects

Array Members: Maximum number of 2 items.

Required: No

Subtitle

The subtitle that is displayed on the visual.

Type: VisualSubtitleLabelOptions object

Required: No

Title

The title that is displayed on the visual.

Type: VisualTitleLabelOptions object

Required: No

VisualContentAltText

The alt text for the visual.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

YAxisOptions

The options that are available for a single Y axis in a chart.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

YAxis

The Y axis type to be used in the chart.

If you choose `PRIMARY_Y_AXIS`, the primary Y Axis is located on the leftmost vertical axis of the chart.

Type: String

Valid Values: `PRIMARY_Y_AXIS`

Required: Yes

See Also

For more information about using this API in one of the language-specific Amazon SDKs, see the following:

- Amazon SDK for C++
- Amazon SDK for Java V2
- Amazon SDK for Ruby V3

Common Errors

This section lists the errors common to the API actions of all Amazon services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to Amazon standards.

HTTP Status Code: 400

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or Amazon access key ID provided does not exist in our records.

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The Amazon access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

The input fails to satisfy the constraints specified by an Amazon service.

HTTP Status Code: 400

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing Amazon API requests in the *IAM User Guide*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed Amazon API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an Amazon API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to Amazon Security Token Service (Amazon STS). For a list of services that support temporary security credentials from Amazon STS, see Amazon Web Services services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from Amazon STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed Amazon API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Amazon Glossary

For the latest Amazon terminology, see the Amazon glossary in the *Amazon Web Services Glossary Reference*.