

Amazon Resource Explorer



Amazon Resource Explorer: API Reference

Table of Contents

Welcome	1
Actions	3
AssociateDefaultView	5
Request Syntax	5
URI Request Parameters	5
Request Body	6
Response Syntax	6
Response Elements	6
Errors	7
Examples	8
See Also	8
BatchGetView	10
Request Syntax	10
URI Request Parameters	11
Request Body	11
Response Syntax	11
Response Elements	12
Errors	12
Examples	13
See Also	15
CreateIndex	16
Request Syntax	17
URI Request Parameters	17
Request Body	17
Response Syntax	18
Response Elements	18
Errors	19
Examples	20
See Also	21
CreateResourceExplorerSetup	22
Request Syntax	22
URI Request Parameters	22
Request Body	22
Response Syntax	23

Response Elements	23
Errors	24
See Also	25
CreateView	26
Request Syntax	27
URI Request Parameters	27
Request Body	27
Response Syntax	29
Response Elements	30
Errors	30
Examples	31
See Also	34
DeleteIndex	35
Request Syntax	36
URI Request Parameters	36
Request Body	36
Response Syntax	36
Response Elements	36
Errors	37
Examples	38
See Also	39
DeleteResourceExplorerSetup	41
Request Syntax	41
URI Request Parameters	41
Request Body	41
Response Syntax	42
Response Elements	42
Errors	42
See Also	43
DeleteView	45
Request Syntax	45
URI Request Parameters	46
Request Body	46
Response Syntax	46
Response Elements	46
Errors	46

Examples	48
See Also	48
DisassociateDefaultView	50
Request Syntax	50
URI Request Parameters	50
Request Body	50
Response Syntax	51
Response Elements	51
Errors	51
Examples	52
See Also	52
GetAccountLevelServiceConfiguration	54
Request Syntax	54
URI Request Parameters	54
Request Body	54
Response Syntax	54
Response Elements	55
Errors	55
Examples	56
See Also	56
GetDefaultView	58
Request Syntax	58
URI Request Parameters	58
Request Body	58
Response Syntax	59
Response Elements	59
Errors	59
Examples	60
See Also	61
GetIndex	62
Request Syntax	62
URI Request Parameters	62
Request Body	62
Response Syntax	62
Response Elements	63
Errors	64

Examples	65
See Also	66
GetManagedView	68
Request Syntax	68
URI Request Parameters	68
Request Body	68
Response Syntax	69
Response Elements	69
Errors	69
Examples	71
See Also	72
GetResourceExplorerSetup	73
Request Syntax	73
URI Request Parameters	73
Request Body	73
Response Syntax	74
Response Elements	75
Errors	76
See Also	76
GetServiceIndex	78
Request Syntax	78
URI Request Parameters	78
Request Body	78
Response Syntax	78
Response Elements	78
Errors	79
See Also	80
GetServiceView	81
Request Syntax	81
URI Request Parameters	81
Request Body	81
Response Syntax	81
Response Elements	82
Errors	82
See Also	83
GetView	85

Request Syntax	85
URI Request Parameters	85
Request Body	86
Response Syntax	86
Response Elements	86
Errors	87
Examples	88
See Also	89
ListIndexes	90
Request Syntax	90
URI Request Parameters	90
Request Body	90
Response Syntax	92
Response Elements	92
Errors	93
Examples	94
See Also	95
ListIndexesForMembers	96
Request Syntax	96
URI Request Parameters	96
Request Body	97
Response Syntax	98
Response Elements	98
Errors	99
Examples	99
See Also	101
ListManagedViews	102
Request Syntax	102
URI Request Parameters	102
Request Body	102
Response Syntax	103
Response Elements	104
Errors	104
Examples	105
See Also	106
ListResources	108

Request Syntax	108
URI Request Parameters	108
Request Body	108
Response Syntax	110
Response Elements	111
Errors	112
Examples	113
See Also	115
ListServiceIndexes	116
Request Syntax	116
URI Request Parameters	116
Request Body	116
Response Syntax	117
Response Elements	117
Errors	118
See Also	119
ListServiceViews	120
Request Syntax	120
URI Request Parameters	120
Request Body	120
Response Syntax	121
Response Elements	121
Errors	121
See Also	122
ListStreamingAccessForServices	124
Request Syntax	124
URI Request Parameters	124
Request Body	124
Response Syntax	125
Response Elements	125
Errors	126
See Also	127
ListSupportedResourceTypes	128
Request Syntax	128
URI Request Parameters	128
Request Body	128

Response Syntax	129
Response Elements	130
Errors	130
Examples	131
See Also	132
ListTagsForResource	133
Request Syntax	133
URI Request Parameters	133
Request Body	133
Response Syntax	134
Response Elements	134
Errors	134
Examples	135
See Also	136
ListViews	137
Request Syntax	137
URI Request Parameters	138
Request Body	138
Response Syntax	139
Response Elements	139
Errors	139
Examples	140
See Also	141
Search	142
Request Syntax	142
URI Request Parameters	143
Request Body	143
Response Syntax	145
Response Elements	145
Errors	146
Examples	147
See Also	151
TagResource	152
Request Syntax	152
URI Request Parameters	152
Request Body	153

Response Syntax	153
Response Elements	153
Errors	153
Examples	154
See Also	155
UntagResource	156
Request Syntax	156
URI Request Parameters	156
Request Body	157
Response Syntax	157
Response Elements	157
Errors	157
Examples	158
See Also	159
UpdateIndexType	160
Request Syntax	161
URI Request Parameters	162
Request Body	162
Response Syntax	162
Response Elements	163
Errors	163
Examples	165
See Also	166
UpdateView	167
Request Syntax	167
URI Request Parameters	168
Request Body	168
Response Syntax	169
Response Elements	169
Errors	170
Examples	171
See Also	173
Data Types	175
BatchGetViewError	176
Contents	176
See Also	176

ErrorDetails	177
Contents	177
See Also	177
IncludedProperty	178
Contents	178
See Also	178
Index	179
Contents	179
See Also	180
IndexStatus	181
Contents	181
See Also	182
ManagedView	183
Contents	183
See Also	185
MemberIndex	186
Contents	186
See Also	187
OrgConfiguration	188
Contents	188
See Also	188
RegionStatus	189
Contents	189
See Also	189
Resource	191
Contents	191
See Also	192
ResourceCount	193
Contents	193
See Also	193
ResourceProperty	195
Contents	195
See Also	195
SearchFilter	197
Contents	197
See Also	197

ServiceView	198
Contents	198
See Also	199
StreamingAccessDetails	200
Contents	200
See Also	200
SupportedResourceType	201
Contents	201
See Also	201
ValidationExceptionField	202
Contents	202
See Also	202
View	203
Contents	203
See Also	204
ViewStatus	205
Contents	205
See Also	206
Common Parameters	207
Common Error Types	210

Welcome

Amazon Resource Explorer is a resource search and discovery service. By using Resource Explorer, you can explore your resources using an internet search engine-like experience. Examples of resources include Amazon Relational Database Service (Amazon RDS) instances, Amazon Simple Storage Service (Amazon S3) buckets, or Amazon DynamoDB tables. You can search for your resources using resource metadata like names, tags, and IDs. Resource Explorer can search across all of the Amazon Web Services Regions in your account in which you turn the service on, to simplify your cross-Region workloads.

Resource Explorer scans the resources in each of the Amazon Web Services Regions in your Amazon Web Services account in which you turn on Resource Explorer. Resource Explorer [creates and maintains an index](#) in each Region, with the details of that Region's resources.

You can [search across all of the indexed Regions in your account](#) by designating one of your Amazon Web Services Regions to contain the aggregator index for the account. When you [promote a local index in a Region to become the aggregator index for the account](#), Resource Explorer automatically replicates the index information from all local indexes in the other Regions to the aggregator index. Therefore, the Region with the aggregator index has a copy of all resource information for all Regions in the account where you turned on Resource Explorer. As a result, views in the aggregator index Region include resources from all of the indexed Regions in your account.

For more information about Amazon Resource Explorer, including how to enable and configure the service, see the [Amazon Resource Explorer User Guide](#).

Note

The example HTTP query requests and responses in this guide are displayed with the [JSON](#) formatted across multiple lines for readability. The actual query responses from the Resource Explorer service do not include this extra whitespace.

We want your feedback about this documentation

Our goal is to help you get everything you can from Resource Explorer. If this guide helps you to do that, then let us know. If the guide isn't helping you, then we want to hear from you so we can address the issue. Use the **Feedback** link that's in the upper-right corner of every page. That

sends your comments directly to the writers of this guide. We review every submission, looking for opportunities to improve the documentation. Thank you in advance for your help!

This document was last published on August 26, 2026.

Actions

The following actions are supported:

- [AssociateDefaultView](#)
- [BatchGetView](#)
- [CreateIndex](#)
- [CreateResourceExplorerSetup](#)
- [CreateView](#)
- [DeleteIndex](#)
- [DeleteResourceExplorerSetup](#)
- [DeleteView](#)
- [DisassociateDefaultView](#)
- [GetAccountLevelServiceConfiguration](#)
- [GetDefaultView](#)
- [GetIndex](#)
- [GetManagedView](#)
- [GetResourceExplorerSetup](#)
- [GetServiceIndex](#)
- [GetServiceView](#)
- [GetView](#)
- [ListIndexes](#)
- [ListIndexesForMembers](#)
- [ListManagedViews](#)
- [ListResources](#)
- [ListServiceIndexes](#)
- [ListServiceViews](#)
- [ListStreamingAccessForServices](#)
- [ListSupportedResourceTypes](#)
- [ListTagsForResource](#)
- [ListViews](#)

- [Search](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateIndexType](#)
- [UpdateView](#)

AssociateDefaultView

Sets the specified view as the default for the Amazon Web Services Region in which you call this operation. When a user performs a [Search](#) that doesn't explicitly specify which view to use, then Amazon Resource Explorer automatically chooses this default view for searches performed in this Amazon Web Services Region.

If an Amazon Web Services Region doesn't have a default view configured, then users must explicitly specify a view with every Search operation performed in that Region.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** resource-explorer-2:AssociateDefaultView

Resource: No specific resource (*). However, an index must be present in the Amazon Web Services Region in which you call the operation.

Related operations

- To remove a view as the default for an Amazon Web Services Region, use [DisassociateDefaultView](#).
- To list the available views, use [ListViews](#).
- To find which view is the default, use [GetDefaultView](#).

Request Syntax

```
POST /AssociateDefaultView HTTP/1.1
Content-type: application/json
```

```
{
  "ViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ViewArn

The [Amazon resource name \(ARN\)](#) of the view to set as the default for the Amazon Web Services Region and Amazon Web Services account in which you call this operation. The specified view must already exist in the called Region.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Response Syntax

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

{
  "ViewArn": "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.

ViewArn

The [Amazon resource name \(ARN\)](#) of the view that the operation set as the default for queries made in the Amazon Web Services Region and Amazon Web Services account in which you called this operation.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example sets the view named `MyMainView`, as specified by its ARN, to be the default for the Amazon Web Services Region in which you call the operation, in this example, `us-east-1`.

Sample Request

```
POST /AssociateDefaultView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/MyMainView/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/MyMainView/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)

- [Amazon SDK for .NET V4](#)
- [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](#)

BatchGetView

Retrieves details about a list of views.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** resource-explorer-2:BatchGetView

Resource: No specific resource (*).

[This action supports using condition keys to check the tags attached to the view to limit permissions.](#)

- **Action:** resource-explorer-2:GetView

Resource: the ARN of each view you want to retrieve.

[This action supports using condition keys to check the tags attached to the view to limit permissions.](#)

Related operations

- To create a view, use [CreateView](#).
- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To get details about your views, use [GetView](#) or [BatchGetView](#).
- To update a view, use [UpdateView](#).
- To delete a view, use [DeleteView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /BatchGetView HTTP/1.1
Content-type: application/json

{
  "ViewArns": [ "string" ]
```

```
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ViewArns

A list of [Amazon resource names \(ARNs\)](#) that identify the views you want details for.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

Response Syntax

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

{
  "Errors": [
    {
      "ErrorMessage": "string",
      "ViewArn": "string"
    }
  ],
  "Views": [
    {
      "Filters": {
        "FilterString": "string"
      },
      "IncludedProperties": [
        {
          "Name": "string"
        }
      ]
    }
  ]
}
```

```
    ],  
    "LastUpdatedAt": "string",  
    "Owner": "string",  
    "Scope": "string",  
    "ViewArn": "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.

Errors

If any of the specified ARNs result in an error, then this structure describes the error.

Type: Array of [BatchGetViewError](#) objects

Views

A structure with a list of objects with details for each of the specified views.

Type: Array of [View](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example returns details about two views, as specified by their ARNs.

Sample Request

```
POST /BatchGetView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "ViewArns": [
```

```
    "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-Only-View/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222",
    "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-Main-View/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Views": [
    {
      "Filters": {
        "FilterString": "service:ec2"
      },
      "IncludedProperties": [
        {
          "Name": "tags"
        }
      ],
      "LastUpdatedAt": "2022-07-13T21:33:45.249Z",
      "Owner": "123456789012",
      "Scope": "arn:aws:iam::123456789012:root",
      "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-
Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
    },
    {
      "Filters": {
        "FilterString": ""
      },
      "IncludedProperties": [
        {
          "Name": "tags"
        }
      ],
      "LastUpdatedAt": "2022-07-13T20:34:11.314Z",
      "Owner": "123456789012",
      "Scope": "arn:aws:iam::123456789012:root",
```

```
    "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-Main-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
  },
  "Errors": []
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

CreateIndex

Turns on Amazon Resource Explorer in the Amazon Web Services Region in which you called this operation by creating an index. Resource Explorer begins discovering the resources in this Region and stores the details about the resources in the index so that they can be queried by using the [Search](#) operation. You can create only one index in a Region.

Note

This operation creates only a *local* index. To promote the local index in one Amazon Web Services Region into the aggregator index for the Amazon Web Services account, use the [UpdateIndexType](#) operation. For more information, see [Turning on cross-Region search by creating an aggregator index](#) in the *Amazon Resource Explorer User Guide*.

For more details about what happens when you turn on Resource Explorer in an Amazon Web Services Region, see [Turn on Resource Explorer to index your resources in an Amazon Web Services Region](#) in the *Amazon Resource Explorer User Guide*.

If this is the first Amazon Web Services Region in which you've created an index for Resource Explorer, then this operation also [creates a service-linked role](#) in your Amazon Web Services account that allows Resource Explorer to enumerate your resources to populate the index.

Minimum permissions

To run this command, you must have the following permissions:

- **Action:** `resource-explorer-2:CreateIndex`

Resource: The ARN of the index (as it will exist after the operation completes) in the Amazon Web Services Region and account in which you're trying to create the index. Use the wildcard character (*) at the end of the string to match the eventual UUID. For example, the following Resource element restricts the role or user to creating an index in only the `us-east-2` Region of the specified account.

```
"Resource": "arn:aws:resource-explorer-2:us-west-2:<account-id>:index/*"
```

Alternatively, you can use `"Resource": "*" to allow the role or user to create an index in any Region.`

- **Action:** iam:CreateServiceLinkedRole

Resource: No specific resource (*).

This permission is required only the first time you create an index to turn on Resource Explorer in the account. Resource Explorer uses this to create the [service-linked role needed to index the resources in your account](#). Resource Explorer uses the same service-linked role for all additional indexes you create afterwards.

Related operations

- To turn off Resource Explorer in an Amazon Web Services Region, use [DeleteIndex](#).
- To retrieve the details for an index and check its state or its type, use [GetIndex](#).
- To list all of the indexes in the Amazon Web Services account, use [ListIndexes](#).
- To convert a local index to an aggregator index, use [UpdateIndexType](#).

Request Syntax

```
POST /CreateIndex HTTP/1.1
Content-type: application/json
```

```
{
  "ClientToken": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

This value helps ensure idempotency. Resource Explorer uses this value to prevent the accidental creation of duplicate versions. We recommend that you generate a [UUID-type value](#) to ensure the uniqueness of your index.

Type: String

Required: No

Tags

The specified tags are attached only to the index created in this Amazon Web Services Region. The tags aren't attached to any of the resources listed in the index.

Type: String to string map

Required: No

Response Syntax

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

{
  "Arn": "string",
  "CreatedAt": "string",
  "State": "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 ARN of the new local index for the Region. You can reference this ARN in IAM permission policies to authorize the following operations: [DeleteIndex](#) | [GetIndex](#) | [UpdateIndexType](#) | [CreateView](#)

Type: String

CreatedAt

The date and timestamp when the index was created.

Type: Timestamp

State

Indicates the current state of the index. You can check for changes to the state for asynchronous operations by calling the [GetIndex](#) operation.

Note

The state can remain in the CREATING or UPDATING state for several hours as Resource Explorer discovers the information about your resources and populates the index.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | DELETED | UPDATING

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

ConflictException

If you attempted to create a view, then the request failed because either you specified parameters that didn't match the original request, or you attempted to create a view with a name that already exists in this Amazon Web Services Region.

If you attempted to create an index, then the request failed because either you specified parameters that didn't match the original request, or an index already exists in the current Amazon Web Services Region.

If you attempted to update an index type to AGGREGATOR, then the request failed because you already have an AGGREGATOR index in a different Amazon Web Services Region.

HTTP Status Code: 409

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example creates a local index in the Amazon Web Services Region in which you call the operation. In this example, the Region is us-east-1. The specified ClientToken is a randomly generated UUID.

Sample Request

```
POST /CreateIndex HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
```

```
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{"ClientToken": "EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-cdef-
fedc-EXAMPLE22222",
  "CreatedAt": "2022-11-01T20:00:59.149Z",
  "State": "CREATING"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

CreateResourceExplorerSetup

Creates a Resource Explorer setup configuration across multiple Amazon Web Services Regions. This operation sets up indexes and views in the specified Regions. This operation can also be used to set an aggregator Region for cross-Region resource search.

Request Syntax

```
POST /CreateResourceExplorerSetup HTTP/1.1
Content-type: application/json
```

```
{
  "AggregatorRegions": [ "string" ],
  "RegionList": [ "string" ],
  "ViewName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

RegionList

A list of Amazon Web Services Regions where Resource Explorer should be configured. Each Region in the list will have a user-owned index created.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: [a-z-]+-[a-z-]+-[0-9]

Required: Yes

ViewName

The name for the view to be created as part of the Resource Explorer setup. The view name must be unique within the Amazon Web Services account and Region.

Type: String

Pattern: `[a-zA-Z0-9-]{1,64}`

Required: Yes

[AggregatorRegions](#)

A list of Amazon Web Services Regions that should be configured as aggregator Regions. Aggregator Regions receive replicated index information from all other Regions where there is a user-owned index.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Pattern: `[a-z-]+-[a-z-]+-[0-9]`

Required: No

Response Syntax

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

```
{
  "TaskId": "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.

[TaskId](#)

The unique identifier for the setup task. Use this ID with `GetResourceExplorerSetup` to monitor the progress of the configuration operation.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

ConflictException

If you attempted to create a view, then the request failed because either you specified parameters that didn't match the original request, or you attempted to create a view with a name that already exists in this Amazon Web Services Region.

If you attempted to create an index, then the request failed because either you specified parameters that didn't match the original request, or an index already exists in the current Amazon Web Services Region.

If you attempted to update an index type to AGGREGATOR, then the request failed because you already have an AGGREGATOR index in a different Amazon Web Services Region.

HTTP Status Code: 409

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

CreateView

Creates a view that users can query by using the [Search](#) operation. Results from queries that you make using this view include only resources that match the view's Filters. For more information about Amazon Resource Explorer views, see [Managing views](#) in the *Amazon Resource Explorer User Guide*.

Only the principals with an IAM identity-based policy that grants Allow to the Search action on a Resource with the [Amazon resource name \(ARN\)](#) of this view can [Search](#) using views you create with this operation.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** resource-explorer-2:CreateView

Resource:

- This can be * to allow creation of a view in any Amazon Web Services Region in the account.
- The ARN of the view as it exists after the view is created. This can be * to allow creating a view in any Amazon Web Services Region in the account with any name. It can also be similar to the following example that restricts a role's or user's ability to create a view in only the specified Amazon Web Services Region and with only the specified name prefix.

```
arn:aws:resource-explorer-2:<region>:<AccountId>:view/NamePrefix*
```

[This action supports using condition keys to check the tags attached to the index to limit permissions.](#)

Related operations

- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To get details about your views, use [GetView](#) or [BatchGetView](#).
- To update a view, use [UpdateView](#).
- To delete a view, use [DeleteView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /CreateView HTTP/1.1
Content-type: application/json

{
  "ClientToken": "string",
  "Filters": {
    "FilterString": "string"
  },
  "IncludedProperties": [
    {
      "Name": "string"
    }
  ],
  "Scope": "string",
  "Tags": {
    "string" : "string"
  },
  "ViewName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ViewName

The name of the new view. This name appears in the list of views in Resource Explorer.

The name must be no more than 64 characters long, and can include letters, digits, and the dash (-) character. The name must be unique within its Amazon Web Services Region.

Type: String

Pattern: [a-zA-Z0-9\-\-]{1,64}

Required: Yes

ClientToken

This value helps ensure idempotency. Resource Explorer uses this value to prevent the accidental creation of duplicate versions. We recommend that you generate a [UUID-type value](#) to ensure the uniqueness of your views.

Type: String

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

Required: No

Filters

An array of strings that specify which resources are included in the results of queries made using this view. When you use this view in a [Search](#) operation, the filter string is combined with the search's `QueryString` parameter using a logical AND operator.

For information about the supported syntax, see [Search query reference for Resource Explorer](#) in the *Amazon Resource Explorer User Guide*.

Important

This query string in the context of this operation supports only [filter prefixes](#) with optional [operators](#). It doesn't support free-form text. For example, the string `region:us* service:ec2 -tag:stage=prod` includes all Amazon EC2 resources in any Amazon Web Services Region that begins with the letters `us` and is *not* tagged with a key `Stage` that has the value `prod`.

Type: [SearchFilter](#) object

Required: No

IncludedProperties

Specifies optional fields that you want included in search results from this view. It is a list of objects that each describe a field to include.

The default is an empty list, with no optional fields included in the results.

Type: Array of [IncludedProperty](#) objects

Required: No

Scope

The root ARN of the account, an organizational unit (OU), or an organization ARN. If left empty, the default is account.

Type: String

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

Required: No

Tags

Tag key and value pairs that are attached to the view.

Type: String to string map

Required: No

Response Syntax

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

{
  "View": {
    "Filters": {
      "FilterString": "string"
    },
    "IncludedProperties": [
      {
        "Name": "string"
      }
    ],
    "LastUpdatedAt": "string",
    "Owner": "string",
    "Scope": "string",
    "ViewArn": "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.

[View](#)

A structure that contains the details about the new view.

Type: [View](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

ConflictException

If you attempted to create a view, then the request failed because either you specified parameters that didn't match the original request, or you attempted to create a view with a name that already exists in this Amazon Web Services Region.

If you attempted to create an index, then the request failed because either you specified parameters that didn't match the original request, or an index already exists in the current Amazon Web Services Region.

If you attempted to update an index type to AGGREGATOR, then the request failed because you already have an AGGREGATOR index in a different Amazon Web Services Region.

HTTP Status Code: 409

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ServiceQuotaExceededException

The request failed because it exceeds a service quota.

Name

The name of the service quota that was exceeded by the request.

Value

The current value for the quota that the request tried to exceed.

HTTP Status Code: 402

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example 1 – Create a view that performs no filtering

The following example creates a view in Amazon Web Services Region `us-east-1` that returns all resources in the Region without any filtering. The `ClientToken` parameter value is a randomly generated UUID. Because this view is in the Region that contains the aggregator index, it can include results from all Regions in the account that contain a Resource Explorer index.

Sample Request

```
POST /CreateView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "IncludedProperties": [
    {
      "Name": "tags"
    }
  ],
  "ViewName": "My-Main-View",
  "ClientToken": "EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "View": {
    "Filters": {
      "FilterString": ""
    },
    "IncludedProperties": [
      {
        "Name": "tags"
      }
    ],
    "LastUpdatedAt": "2022-07-13T20:34:11.314Z",
    "Owner": "123456789012",
    "Scope": "arn:aws:iam::123456789012:root",
    "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-Main-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
  }
}
```

```
}  
}
```

Example 2 – Create a view that filters to only resource types for a single service

The following example creates a view in Amazon Web Services Region `us-east-1` that returns only those resources in the Region that are associated with the Amazon EC2 service. The `ClientToken` parameter value is a randomly generated UUID. Because this view is in the Region that contains the aggregator index, it can include results that match the filter from all Regions in the account that contain a Resource Explorer index.

Sample Request

```
POST /CreateView HTTP/1.1  
Host: resource-explorer-2.us-east-1.amazonaws.com  
X-Amz-Date: 20221101T200059Z  
Accept-Encoding: identity  
User-Agent: <UserAgentString>  
Content-Length: <PayloadSizeBytes>  
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,  
  Signature=<Signature>  
  
{  
  "IncludedProperties": [  
    {  
      "Name": "tags"  
    },  
    "Filters": {  
      "FilterString": "service:ec2"  
    }  
  ],  
  "ViewName": "My-EC2-Only-View",  
  "ClientToken": "EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"  
}
```

Sample Response

```
HTTP/1.1 200 OK  
Date: Tue, 01 Nov 2022 20:00:59 GMT  
Content-Type: application/json  
Content-Length: <PayloadSizeBytes>
```

```
{
  "View": {
    "Filters": {
      "FilterString": "service:ec2"
    },
    "IncludedProperties": [
      {
        "Name": "tags"
      }
    ],
    "LastUpdatedAt": "2022-07-13T20:36:15.661Z",
    "Owner": "123456789012",
    "Scope": "arn:aws:iam::123456789012:root",
    "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
  }
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

DeleteIndex

Deletes the specified index and turns off Amazon Resource Explorer in the specified Amazon Web Services Region. When you delete an index, Resource Explorer stops discovering and indexing resources in that Region. Resource Explorer also deletes all views in that Region. These actions occur as asynchronous background tasks. You can check to see when the actions are complete by using the [GetIndex](#) operation and checking the Status response value.

Note

If the index you delete is the aggregator index for the Amazon Web Services account, you must wait 24 hours before you can promote another local index to be the aggregator index for the account. Users can't perform account-wide searches using Resource Explorer until another aggregator index is configured.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:DeleteIndex`

Resource: The ARN of the index in the Amazon Web Services Region in which you call this operation.

[This action supports using condition keys to check the tags attached to the index to limit permissions.](#)

Related operations

- To turn on Resource Explorer in an Amazon Web Services Region by creating an index, use [CreateIndex](#).
- To retrieve the details for an index and check its state or its type, use [GetIndex](#).
- To list all of the indexes in the Amazon Web Services account, use [ListIndexes](#).
- To switch an index between being a local index or an aggregator index, use [UpdateIndexType](#).

Request Syntax

```
POST /DeleteIndex HTTP/1.1
Content-type: application/json

{
  "Arn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[Arn](#)

The [Amazon resource name \(ARN\)](#) of the index that you want to delete.

Type: String

Required: Yes

Response Syntax

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

{
  "Arn": "string",
  "LastUpdatedAt": "string",
  "State": "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 index that you successfully started the deletion process.

Note

This operation is asynchronous. To check its status, call the [GetIndex](#) operation.

Type: String

LastUpdatedAt

The date and time when you last updated this index.

Type: Timestamp

State

Indicates the current state of the index.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | DELETED | UPDATING

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

The following example deletes the Resource Explorer index in an Amazon Web Services Region. In addition to specifying the ARN of the index, you must also call this operation from the Region in which the index exists. This turns off Resource Explorer in that Region, and users can no longer search for resources in that Region. You can get the ARN of the index by calling the [ListIndexes](#) operation.

Example

This example illustrates one usage of DeleteIndex.

Sample Request

```
POST /DeleteIndex HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
```

```
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-
cdef-fedc-EXAMPLE11111"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-cdef-
fedc-EXAMPLE11111",
  "State": "deleting"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

DeleteResourceExplorerSetup

Deletes a Resource Explorer setup configuration. This operation removes indexes and views from the specified Regions or all Regions where Resource Explorer is configured.

Request Syntax

```
POST /DeleteResourceExplorerSetup HTTP/1.1
Content-type: application/json

{
  "DeleteInAllRegions": boolean,
  "RegionList": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

DeleteInAllRegions

Specifies whether to delete Resource Explorer configuration from all Regions where it is currently enabled. If this parameter is set to `true`, a value for `RegionList` must not be provided. Otherwise, the operation fails with a `ValidationException` error.

Type: Boolean

Required: No

RegionList

A list of Amazon Web Services Regions from which to delete the Resource Explorer configuration. If not specified, the operation uses the `DeleteInAllRegions` parameter to determine scope.

Type: Array of strings

Pattern: `[a-z-]+-[a-z-]+-[0-9]`

Required: No

Response Syntax

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

{
  "TaskId": "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.

[TaskId](#)

The unique identifier for the deletion task. Use this ID with `GetResourceExplorerSetup` to monitor the progress of the deletion operation.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

ConflictException

If you attempted to create a view, then the request failed because either you specified parameters that didn't match the original request, or you attempted to create a view with a name that already exists in this Amazon Web Services Region.

If you attempted to create an index, then the request failed because either you specified parameters that didn't match the original request, or an index already exists in the current Amazon Web Services Region.

If you attempted to update an index type to AGGREGATOR, then the request failed because you already have an AGGREGATOR index in a different Amazon Web Services Region.

HTTP Status Code: 409

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

DeleteView

Deletes the specified view.

If the specified view is the default view for its Amazon Web Services Region, then all [Search](#) operations in that Region must explicitly specify the view to use until you configure a new default by calling the [AssociateDefaultView](#) operation.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:DeleteView`

Resource: The ARN of the view to delete.

[This action supports using condition keys to check the tags attached to the view to limit permissions.](#)

Related operations

- To create a view, use [CreateView](#).
- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To get details about an individual view, use [GetView](#).
- To modify the configuration of a view, use [UpdateView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /DeleteView HTTP/1.1
Content-type: application/json

{
  "ViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ViewArn

The [Amazon resource name \(ARN\)](#) of the view that you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Response Syntax

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

{
  "ViewArn": "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.

ViewArn

The [Amazon resource name \(ARN\)](#) of the view that you successfully deleted.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identity the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example deletes the specified view.

Sample Request

```
POST /DeleteView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/EC2-Only-View2/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/EC2-Only-View2/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)

- [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](#)

DisassociateDefaultView

After you call this operation, the affected Amazon Web Services Region no longer has a default view. All [Search](#) operations in that Region must explicitly specify a view or the operation fails. You can configure a new default by calling the [AssociateDefaultView](#) operation.

If an Amazon Web Services Region doesn't have a default view configured, then users must explicitly specify a view with every Search operation performed in that Region.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:DisassociateDefaultView`

Resource: No specific resource (*). However, an index must be present in the Amazon Web Services Region in which you call the operation.

Related operations

- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#).
- To create a view, use [CreateView](#).
- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To get details about your views, use [GetView](#) or [BatchGetView](#).
- To update the definition of a view, use [UpdateView](#).
- To delete a view, use [DeleteView](#).

Request Syntax

```
POST /DisassociateDefaultView HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example disassociates the current default view in the Amazon Web Services Region in which you invoke the operation. After performing this operation, all search operations in the Region must explicitly specify a view or they fail.

Sample Request

```
POST /DisassociateDefaultView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)

- [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](#)

GetAccountLevelServiceConfiguration

Retrieves the status of your account's Amazon service access, and validates the service linked role required to access the multi-account search feature. Only the management account can invoke this API call.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** resource-explorer-2:GetAccountLevelServiceConfiguration

Resource: No specific resource (*).

Request Syntax

```
POST /GetAccountLevelServiceConfiguration HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "OrgConfiguration": {
    "AWSServiceAccessStatus": "string",
    "ServiceLinkedRole": "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.

OrgConfiguration

Details about the organization, and whether configuration is ENABLED or DISABLED.

Type: [OrgConfiguration](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

Examples

Example

The following example shows how to configure Resource Explorer multi-account search for your organization.

Sample Request

```
POST /GetAccountLevelServiceConfiguration HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "OrgConfiguration": {
    "AWSServiceAccessStatus": "ENABLED",
    "ServiceLinkedRole": "arn:aws:iam::123456789012:role/aws-service-role/resource-explorer-2.amazonaws.com/AWSServiceRoleForResourceExplorer"
  }
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)

- [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](#)

GetDefaultView

Retrieves the Amazon Resource Name (ARN) of the view that is the default for the Amazon Web Services Region in which you call this operation. You can then call [GetView](#) to retrieve the details of that view.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:GetDefaultView`

Resource: No specific resource (*). However, an index must be present in the Amazon Web Services Region in which you call the operation.

Related operations

- To get details about more than one view, use [BatchGetView](#).
- To create a view, use [CreateView](#).
- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To see details about a specific view, use [GetView](#).
- To update the definition of a view, use [UpdateView](#).
- To delete a view, use [DeleteView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default view for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /GetDefaultView HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ViewArn": "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.

[ViewArn](#)

The [Amazon resource name \(ARN\)](#) of the view that is the current default for the Amazon Web Services Region in which you called this operation.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example retrieves the ARN of the view that is the default view for the Amazon Web Services Region in which you call the operation.

Sample Request

```
POST /GetDefaultView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
Signature=<Signature>
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
```

Content-Length: <PayloadSizeBytes>

```
{
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012::view/My-Main-View/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

GetIndex

Retrieves details about the Amazon Resource Explorer index in the Amazon Web Services Region in which you invoked the operation.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:GetIndex`

Resource: The ARN of the index in the Amazon Web Services Region in which you call this operation.

Related operations

- To create an index in a new Amazon Web Services Region, use [CreateIndex](#).
- To delete an index and turn off Resource Explorer in an Amazon Web Services Region, use [DeleteIndex](#).
- To retrieve the details for an index and check its state or its type, use [GetIndex](#).
- To list all of the indexes in the Amazon Web Services account, use [ListIndexes](#).
- To switch an index between being a local index or an aggregator index, use [UpdateIndexType](#).

Request Syntax

```
POST /GetIndex HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Arn": "string",
  "CreatedAt": "string",
  "LastUpdatedAt": "string",
  "ReplicatingFrom": [ "string" ],
  "ReplicatingTo": [ "string" ],
  "State": "string",
  "Tags": {
    "string" : "string"
  },
  "Type": "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 index.

Type: String

CreatedAt

The date and time when the index was originally created.

Type: Timestamp

LastUpdatedAt

The date and time when the index was last updated.

Type: Timestamp

ReplicatingFrom

This response value is present only if this index is Type=AGGREGATOR.

A list of the Amazon Web Services Regions that replicate their content to the index in this Region.

Type: Array of strings

Pattern: [a-z-]+-[a-z]+-[0-9]

ReplicatingTo

This response value is present only if this index is Type=LOCAL.

The Amazon Web Services Region that contains the aggregator index, if one exists. If an aggregator index does exist then the Region in which you called this operation replicates its index information to the Region specified in this response value.

Type: Array of strings

Pattern: [a-z-]+-[a-z]+-[0-9]

State

The current state of the index in this Amazon Web Services Region.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | DELETED | UPDATING

Tags

Tag key and value pairs that are attached to the index.

Type: String to string map

Type

The type of the index in this Region. For information about the aggregator index and how it differs from a local index, see [Turning on cross-Region search by creating an aggregator index](#).

Type: String

Valid Values: LOCAL | AGGREGATOR

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example displays the details for the Resource Explorer index in the specified Amazon Web Services Region. Because the specified Region contains the aggregator index for the account, it lists the two other Regions in the account that replicate data into this Region's index.

Sample Request

```
POST /GetIndex HTTP/1.1
      Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
      Signature=<Signature>
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-
cdef-fedc-EXAMPLE11111",
  "CreatedAt": "2022-07-12T18:59:10.503000+00:00",
  "LastUpdatedAt": "2022-07-13T18:41:58.799000+00:00",
  "ReplicatingFrom": [
    "ap-south-1",
    "us-west-2"
  ],
  "State": "active",
  "Tags": {},
  "Type": "aggregator"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

GetManagedView

Retrieves details of the specified [Amazon-managed view](#).

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** resource-explorer-2:GetManagedViews

Resource: The ARN of the specified view.

Request Syntax

```
POST /GetManagedView HTTP/1.1
Content-type: application/json
```

```
{
  "ManagedViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[ManagedViewArn](#)

The Amazon resource name (ARN) of the managed view.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Response Syntax

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

{
  "ManagedView": {
    "Filters": {
      "FilterString": "string"
    },
    "IncludedProperties": [
      {
        "Name": "string"
      }
    ],
    "LastUpdatedAt": "string",
    "ManagedViewArn": "string",
    "ManagedViewName": "string",
    "Owner": "string",
    "ResourcePolicy": "string",
    "Scope": "string",
    "TrustedService": "string",
    "Version": "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.

ManagedView

Details about the specified managed view.

Type: [ManagedView](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identity the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example shows the call response with details about the managed view.

Sample Request

```
POST /GetManagedView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  // required field
  "ManagedViewArn": "arn:aws:resource-explorer-2:us-east-1:111122223333:managed-view/
ExampleManagedViewName/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "ManagedView": {
    "ManagedViewArn": "arn:aws:resource-explorer-2:us-east-1:111122223333:managed-view/
ExampleManagedViewName/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
    "ManagedViewName": "ExampleManagedViewName",
    "TrustedService": "servicea.amazonaws.com",
    "LastUpdatedAt": "2024-01-01T01:01:01.100000+00:00",
    "Owner": "111111111111",
    "Scope": "arn:aws:iam::111111111111:root",
    "Filters": {
      "FilterString": ""
    },
  },
}
```

```
"IncludedProperties": [  
  {  
    "Name": "tags"  
  }  
],  
"ResourcePolicy": "resource_policy_string",  
"Version": "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 V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

GetResourceExplorerSetup

Retrieves the status and details of a Resource Explorer setup operation. This operation returns information about the progress of creating or deleting Resource Explorer configurations across Regions.

Request Syntax

```
POST /GetResourceExplorerSetup HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "TaskId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

TaskId

The unique identifier of the setup task to retrieve status information for. This ID is returned by `CreateResourceExplorerSetup` or `DeleteResourceExplorerSetup` operations.

Type: String

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

MaxResults

The maximum number of Region status results to return in a single response. Valid values are between 1 and 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The pagination token from a previous `GetResourceExplorerSetup` response. Use this token to retrieve the next set of results.

Type: String

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

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "NextToken": "string",
  "Regions": [
    {
      "Index": {
        "ErrorDetails": {
          "Code": "string",
          "Message": "string"
        },
        "Index": {
          "Arn": "string",
          "Region": "string",
          "Type": "string"
        },
        "Status": "string"
      },
      "Region": "string",
      "View": {
        "ErrorDetails": {
          "Code": "string",
```

```
    "Message": "string",
  },
  "Status": "string",
  "View": {
    "Filters": {
      "FilterString": "string"
    },
    "IncludedProperties": [
      {
        "Name": "string"
      }
    ],
    "LastUpdatedAt": "string",
    "Owner": "string",
    "Scope": "string",
    "ViewArn": "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.

[NextToken](#)

The pagination token to use in a subsequent `GetResourceExplorerSetup` request to retrieve the next set of results.

Type: String

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

[Regions](#)

A list of Region status objects that describe the current state of Resource Explorer configuration in each Region.

Type: Array of [RegionStatus](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

GetServiceIndex

Retrieves information about the Resource Explorer index in the current Amazon Web Services Region. This operation returns the ARN and type of the index if one exists.

Request Syntax

```
POST /GetServiceIndex HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Arn": "string",
  "Type": "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 Explorer index in the current Region.

Type: String

Type

The type of the index. Valid values are LOCAL (contains resources from the current Region only) or AGGREGATOR (contains replicated resource information from all Regions).

Type: String

Valid Values: LOCAL | AGGREGATOR

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

GetServiceView

Retrieves details about a specific Resource Explorer service view. This operation returns the configuration and properties of the specified view.

Request Syntax

```
POST /GetServiceView HTTP/1.1
Content-type: application/json

{
  "ServiceViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[ServiceViewArn](#)

The Amazon Resource Name (ARN) of the service view to retrieve details for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Response Syntax

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

{
  "View": {
    "Filters": {
```

```
    "FilterString": "string",
  },
  "IncludedProperties": [
    {
      "Name": "string"
    }
  ],
  "ScopeType": "string",
  "ServiceViewArn": "string",
  "StreamingAccessForService": "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.

View

A ServiceView object that contains the details and configuration of the requested service view.

Type: [ServiceView](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

GetView

Retrieves details of the specified view.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:GetView`

Resource: The ARN of the specified view.

[This action supports using condition keys to check the tags attached to the view to limit permissions.](#)

Related operations

- To get details about more than one view, use [BatchGetView](#).
- To create a view, use [CreateView](#).
- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To update the definition of a view, use [UpdateView](#).
- To delete a view, use [DeleteView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default view for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /GetView HTTP/1.1
Content-type: application/json

{
  "ViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ViewArn

The [Amazon resource name \(ARN\)](#) of the view that you want information about.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Response Syntax

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

{
  "Tags": {
    "string" : "string"
  },
  "View": {
    "Filters": {
      "FilterString": "string"
    },
    "IncludedProperties": [
      {
        "Name": "string"
      }
    ],
    "LastUpdatedAt": "string",
    "Owner": "string",
    "Scope": "string",
    "ViewArn": "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.

Tags

Tag key and value pairs that are attached to the view.

Type: String to string map

View

A structure that contains the details for the requested view.

Type: [View](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example retrieves the details about the specified view. You can get the ARN of the view you want to inspect by calling the [ListViews](#) operation.

Sample Request

```
POST /GetView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/EC2-Only-View/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

Sample Response

```
HTTP/1.1 200 OK
```

Date: Tue, 01 Nov 2022 20:00:59 GMT

Content-Type: application/json

Content-Length: <PayloadSizeBytes>

```
{
  "Tags" : { },
  "View" : {
    "Filters" : {
      "FilterString" : "service:ec2"
    },
    "IncludedProperties" : [ {
      "Name" : "tags"
    } ],
    "LastUpdatedAt" : "2022-07-13T21:33:45.249Z",
    "Owner" : "123456789012",
    "Scope" : "arn:aws:iam::123456789012:root",
    "ViewArn" : "arn:aws:resource-explorer-2:us-east-1:123456789012:view/EC2-Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
  }
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListIndexes

Retrieves a list of all of the indexes in Amazon Web Services Regions that are currently collecting resource information for Amazon Resource Explorer.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListIndexes`

Resource: No specific resource (*).

Related operations

- To turn on Resource Explorer in an Amazon Web Services Region, use [CreateIndex](#).
- To turn off Resource Explorer in an Amazon Web Services Region, use [DeleteIndex](#).
- To retrieve the details for an index and check its state or its type, use [GetIndex](#).
- To convert a local index to an aggregator index, use [UpdateIndexType](#).

Request Syntax

```
POST /ListIndexes HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "Regions": [ "string" ],
  "Type": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

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

Required: No

Regions

If specified, limits the response to only information about the index in the specified list of Amazon Web Services Regions.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Pattern: `[a-z-]+-[a-z]+-[0-9]`

Required: No

Type

If specified, limits the output to only indexes of the specified Type, either LOCAL or AGGREGATOR.

Use this option to discover the aggregator index for your account.

Type: String

Valid Values: LOCAL | AGGREGATOR

Required: No

Response Syntax

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

{
  "Indexes": [
    {
      "Arn": "string",
      "Region": "string",
      "Type": "string"
    }
  ],
  "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.

Indexes

A structure that contains the details and status of each index.

Type: Array of [Index](#) objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example shows how to list the Resource Explorer indexes in the current Amazon Web Services account. In this example, only two Amazon Web Services Regions have indexes.

Sample Request

```
POST /ListIndexes HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Indexes": [
    {
      "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
      "Region": "us-east-1",
      "Type": "LOCAL"
    },
    {
      "Arn": "arn:aws:resource-explorer-2:us-west-2:123456789012:index/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222",
      "Region": "us-west-2",
      "Type": "LOCAL"
    }
  ]
}
```

```
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListIndexesForMembers

Retrieves a list of a member's indexes in all Amazon Regions that are currently collecting resource information for Amazon Resource Explorer. Only the management account or a delegated administrator with service access enabled can invoke this API call.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListIndexesForMembers`

Resource: No specific resource (*).

Related operations

- To turn on Resource Explorer in an Amazon Web Services Region, use [CreateIndex](#).
- To turn off Resource Explorer in an Amazon Web Services Region, use [DeleteIndex](#).
- To retrieve the details for an index and check its state or its type, use [GetIndex](#).
- To list all of the indexes in the Amazon Web Services account, use [ListIndexes](#).
- To convert a local index to an aggregator index, use [UpdateIndexType](#).

Request Syntax

```
POST /ListIndexesForMembers HTTP/1.1
Content-type: application/json
```

```
{
  "AccountIdList": [ "string" ],
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountIdList

The account IDs will limit the output to only indexes from these accounts.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

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

Required: Yes

MaxResults

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

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

Required: No

Response Syntax

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

{
  "Indexes": [
    {
      "AccountId": "string",
      "Arn": "string",
      "Region": "string",
      "Type": "string"
    }
  ],
  "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.

Indexes

A structure that contains the details and status of each index.

Type: Array of [MemberIndex](#) objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example shows how to list the existing Resource Explorer indexes in each Region for a specific account.

Sample Request

```
POST /ListIndexesForMembers HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "AccountidList": [
    "123456789012"
  ]
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Indexes": [
    {
      "AccountId": "123456789012",
      "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
      "Region": "us-east-1",
      "Type": "LOCAL"
    },
    {
      "AccountId": "123456789012",
      "Arn": "arn:aws:resource-explorer-2:us-west-2:123456789012:index/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222",
      "Region": "us-west-2",
      "Type": "LOCAL"
    }
  ]
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListManagedViews

Lists the Amazon resource names (ARNs) of the [Amazon-managed views](#) available in the Amazon Web Services Region in which you call this operation.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListManagedViews`

Resource: The ARN of the specified view.

Request Syntax

```
POST /ListManagedViews HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "ServicePrincipal": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

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

Required: No

ServicePrincipal

Specifies a service principal name. If specified, then the operation only returns the managed views that are managed by the input service.

Type: String

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

Required: No

Response Syntax

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

```
{
  "ManagedViews": [ "string" ],
  "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.

ManagedViews

The list of managed views available in the Amazon Web Services Region in which you called this operation.

Type: Array of strings

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example shows the call response listing available managed views.

Sample Request

```
POST /ListManagedViews HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
```

```
// optional field, if not provided a default value 50 will be used.
"MaxResults": 5,

// this is next token from previous call in order to get the next page, if not
provided, just get the first page results.
"NextToken": "AQICAHi3bTZbEXAMPLE..._fzaYt0J8jB4oUnWMgimJHA",

// optional field, if not provided, API will try to iterate all managed views
created by all services. If specified, the API only tries to retry managed views
created/managed by the input service.
"ServicePrincipal": "sampleservice.amazonaws.com"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "ManagedViews": [
    "arn:aws:resource-explorer-2:us-east-1:111122223333:managed-view/ManagedViewNameA/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
    "arn:aws:resource-explorer-2:us-east-1:444455556666:managed-view/ManagedViewNameB/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
  ]
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListResources

Returns a list of resources and their details that match the specified criteria. This query must use a view. If you don't explicitly specify a view, then Resource Explorer uses the default view for the Amazon Region in which you call this operation.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:Search`

Resource: No specific resource (*).

Request Syntax

```
POST /ListResources HTTP/1.1
Content-type: application/json
```

```
{
  "Filters": {
    "FilterString": "string"
  },
  "MaxResults": number,
  "NextToken": "string",
  "ViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Filters

An array of strings that specify which resources are included in the results of queries made using this view. When you use this view in a [Search](#) operation, the filter string is combined with the search's `QueryString` parameter using a logical AND operator.

For information about the supported syntax, see [Search query reference for Resource Explorer](#) in the *Amazon Resource Explorer User Guide*.

 Important

This query string in the context of this operation supports only [filter prefixes](#) with optional [operators](#). It doesn't support free-form text. For example, the string `region:us* service:ec2 -tag:stage=prod` includes all Amazon EC2 resources in any Amazon Web Services Region that begins with the letters us and is *not* tagged with a key Stage that has the value prod.

Type: [SearchFilter](#) object

Required: No

[MaxResults](#)

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

 Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

[NextToken](#)

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this

parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

 Note

The `ListResources` operation does not generate a `NextToken` if you set `MaxResults` to 1000.

Type: String

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

Required: No

[ViewArn](#)

Specifies the Amazon resource name (ARN) of the view to use for the query. If you don't specify a value for this parameter, then the operation automatically uses the default view for the Amazon Region in which you called this operation. If the Region either doesn't have a default view or if you don't have permission to use the default view, then the operation fails with a 401 Unauthorized exception.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "Resources": [
    {
      "Arn": "string",
      "LastReportedAt": "string",
      "OwningAccountId": "string",
```

```
    "Properties": [
      {
        "Data": JSON value,
        "LastReportedAt": "string",
        "Name": "string"
      }
    ],
    "Region": "string",
    "ResourceType": "string",
    "Service": "string"
  }
],
"ViewArn": "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.

[NextToken](#)

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

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

[Resources](#)

The list of structures that describe the resources that match the query.

Type: Array of [Resource](#) objects

[ViewArn](#)

The Amazon resource name (ARN) of the view that this operation used to perform the search.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example shows how to list of all supported resource types, across all Amazon services, within your account or organization. The example response includes a `NextToken` value, which indicates that there is more output available to retrieve with additional calls.

Sample Request

```
POST /ListResources HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "Filters": {
    "FilterString": "service:ec2"
  },
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/my-default-view/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
  "MaxResults": 2,
  "NextToken":
    "AG9V0EF1KLEXAMPLE0hJHVwo5chEXAMPLER5XiEpNrgsEXAMPLE...b0Cm0F0ryHEXAMPLE"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "NextToken":
    "AG9V0EF1KLEXAMPLE0hJHVwo5chEXAMPLER5XiEpNrgsEXAMPLE...b0Cm0F0ryHEXAMPLE",
  "Resources": [
    {
```

```

    "Arn": "arn:aws:iam::123456789012:policy/service-role/Policy-For-A-Service-
Role",
    "LastReportedAt": "2024-07-21T12:34:42Z",
    "OwningAccountId": "111122223333",
    "Properties": [
      {
        "Data": [
          {
            "Key": "Name",
            "Value": "Example-Name"
          },
          {
            "Key": "aws:cloudformation:stack-name",
            "Value": "Stack-Name"
          },
          {
            "Key": "aws:cloudformation:stack-id",
            "Value": "arn:aws:cloudformation:us-
east-1:111122223333:stack/stack-name-username-region/EXAMPLE8-90ab-cdef-fedc-
EXAMPLE33333"
          },
          {
            "Key": "aws:cloudformation:logical-id",
            "Value": "a1b2c3d4-5678-90ab-cdef-EXAMPLE11111"
          }
        ],
        "LastReportedAt": "2024-02-26T13:47:30Z",
        "Name": "tags"
      }
    ],
    "Region": "us-east-1",
    "ResourceType": "ec2:natgateway",
    "Service": "ec2"
  },
  {
    "Arn": "arn:aws:iam::111122223333:policy/service-role/Policy-For-A-Service-
Role",
    "LastReportedAt": "2024-07-21T12:34:42Z",
    "OwningAccountId": "111122223333",
    "Properties": [],
    "Region": "us-east-1",
    "ResourceType": "ec2:internet-gateway",
    "Service": "ec2"
  }
}

```

```
    ],  
    "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/my-default-  
view/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"  
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListServiceIndexes

Lists all Resource Explorer indexes across the specified Amazon Web Services Regions. This operation returns information about indexes including their ARNs, types, and Regions.

Request Syntax

```
POST /ListServiceIndexes HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "Regions": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of index results to return in a single response. Valid values are between 1 and 100.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The pagination token from a previous ListServiceIndexes response. Use this token to retrieve the next set of results.

Type: String

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

Required: No

Regions

A list of Amazon Web Services Regions to include in the search for indexes. If not specified, indexes from all Regions are returned.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Pattern: [a-z-]+-[a-z]+-[0-9]

Required: No

Response Syntax

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

{
  "Indexes": [
    {
      "Arn": "string",
      "Region": "string",
      "Type": "string"
    }
  ],
  "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.

Indexes

A list of Index objects that describe the Resource Explorer indexes found in the specified Regions.

Type: Array of [Index](#) objects

NextToken

The pagination token to use in a subsequent `ListServiceIndexes` request to retrieve the next set of results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListServiceViews

Lists all Resource Explorer service views available in the current Amazon Web Services account. This operation returns the ARNs of available service views.

Request Syntax

```
POST /ListServiceViews HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[MaxResults](#)

The maximum number of service view results to return in a single response. Valid values are between 1 and 50.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

[NextToken](#)

The pagination token from a previous ListServiceViews response. Use this token to retrieve the next set of results.

Type: String

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "ServiceViews": [ "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.

[NextToken](#)

The pagination token to use in a subsequent `ListServiceViews` request to retrieve the next set of results.

Type: String

[ServiceViews](#)

A list of Amazon Resource Names (ARNs) for the service views available in the current Amazon Web Services account.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListStreamingAccessForServices

Returns a list of Amazon services that have been granted streaming access to your Resource Explorer data. Streaming access allows Amazon services to receive real-time updates about your resources as they are indexed by Resource Explorer.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListStreamingAccessForServices`

Resource: No specific resource (*).

Related operations

- To search for resources, use [Search](#).
- To list available views, use [ListViews](#).

Request Syntax

```
POST /ListStreamingAccessForServices HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of streaming access entries to return in the response. If there are more results available, the response includes a `NextToken` value that you can use in a subsequent call to get the next set of results. The value must be between 1 and 50. If you don't specify a value, the default is 50.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "StreamingAccessForServices": [
    {
      "CreatedAt": "string",
      "ServicePrincipal": "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.

StreamingAccessForServices

A list of Amazon services that have streaming access to your Resource Explorer data, including details about when the access was granted.

Type: Array of [StreamingAccessDetails](#) objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListSupportedResourceTypes

Retrieves a list of all resource types currently supported by Amazon Resource Explorer.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListSupportedResourceTypes`

Resource: No specific resource (*).

Request Syntax

```
POST /ListSupportedResourceTypes HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "ResourceTypes": [
    {
      "ResourceType": "string",
      "Service": "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.

[NextToken](#)

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`. The pagination tokens expire after 24 hours.

Type: String

[ResourceTypes](#)

The list of resource types supported by Resource Explorer.

Type: Array of [SupportedResourceType](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example shows how to list all of the resource type identifiers that you can use in a Resource Explorer search. The example response includes a `NextToken` value, which indicates that there is more output available to retrieve with additional calls.

Sample Request

```
POST /ListSupportedResourceTypes HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "NextToken":
    "AG9V0EF1KLEXAMPLE0hJHVwo5chEXAMPLER5XiEpNrgsEXAMPLE...b0Cm0F0ryHEXAMPLE",
```

```
"ResourceTypes": [  
  {  
    "ResourceType": "cloudfront:cache-policy",  
    "Service": "cloudfront"  
  },  
  {  
    "ResourceType": "cloudfront:distribution",  
    "Service": "cloudfront"  
  },  
  {  
    "ResourceType": "cloudfront:function",  
    "Service": "cloudfront"  
  },  
  ...TRUNCATED FOR BREVITY...  
]  
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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 that are attached to the specified resource.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListTagsForResource`

Resource: The ARN of the resource whose tags you want to view.

[This action supports using condition keys to check the tags attached to the index or view to limit permissions.](#)

Related operations

- To tag a view or index, use [TagResource](#).
- To remove a tag from a view or index, use [UntagResource](#).

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[resourceArn](#)

The [Amazon resource name \(ARN\)](#) of the view or index that you want to attach tags to.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "Tags": {
    "string" : "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.

Tags

The tag key and value pairs that you want to attach to the specified view or index.

Type: String to string map

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identity the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example lists the tag key names and values that are attached to the view or index specified by its ARN.

Sample Request

```
GET /tags/arn%3Aaws%3Aresource-explorer-2%3Aus-east-1%3A123456789012%3Aview%2FMy-EC2-Only-View%2F0bcc225f-b62f-4095-b772-0cdf63ee6d8d HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>, Signature=<Signature>
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>
```

```
{
  "Tags": {
    "environment": "production"
  }
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

ListViews

Lists the [Amazon resource names \(ARNs\)](#) of the views available in the Amazon Web Services Region in which you call this operation.

Note

Always check the `NextToken` response parameter for a `null` value when calling a paginated operation. These operations can occasionally return an empty set of results even when there are more results available. The `NextToken` response parameter value is `null` *only* when there are no more results to display.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:ListViews`

Resource: No specific resource (*).

Related operations

- To create a view, use [CreateView](#).
- To get details about your views, use [GetView](#) or [BatchGetView](#).
- To update the definition of a view, use [UpdateView](#).
- To delete a view, use [DeleteView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /ListViews HTTP/1.1
Content-type: application/json

{
  "MaxResults": number,
  "NextToken": "string"
```

```
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "Views": [ "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.

[NextToken](#)

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

[Views](#)

The list of views available in the Amazon Web Services Region in which you called this operation.

Type: Array of strings

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example lists the views available in the Amazon Web Services Region in which you call the operation.

Sample Request

```
POST /ListViews HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>
```

```
{}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Views": [
    "arn:aws:resource-explorer-2:us-east-1:123456789012:view/EC2-Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
    "arn:aws:resource-explorer-2:us-east-1:123456789012:view/Default-All-Resources-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222",
    "arn:aws:resource-explorer-2:us-east-1:123456789012:view/Production-Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE33333"
  ]
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

Search

Searches for resources and displays details about all resources that match the specified criteria. You must specify a query string.

All search queries must use a view. If you don't explicitly specify a view, then Amazon Resource Explorer uses the default view for the Amazon Web Services Region in which you call this operation. The results are the logical intersection of the results that match both the `QueryString` parameter supplied to this operation and the `SearchFilter` parameter attached to the view.

For the complete syntax supported by the `QueryString` parameter, see [Search query syntax reference for Resource Explorer](#).

If your search results are empty, or are missing results that you think should be there, see [Troubleshooting Resource Explorer search](#).

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:Search`

Resource: The ARN of the specified view, or if a view isn't specified, the default view for the Amazon Web Services Region in which you call this operation.

[This action supports using condition keys to check the tags attached to the view to limit permissions.](#)

Related operations

- To list the views that you can use with this operation, use [ListViews](#).

Request Syntax

```
POST /Search HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
```

```
"NextToken": "string",  
"QueryString": "string",  
"ViewArn": "string"  
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

QueryString

A string that includes keywords and filters that specify the resources that you want to include in the results.

For the complete syntax supported by the `QueryString` parameter, see [Search query syntax reference for Resource Explorer](#).

The search is completely case insensitive. You can specify an empty string to return all results up to the limit of 1,000 total results.

Note

The operation can return only the first 1,000 results. If the resource you want is not included, then use a different value for `QueryString` to refine the results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1280.

Required: Yes

MaxResults

The maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is

present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

 Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from. The pagination tokens expire after 24 hours.

Type: String

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

Required: No

ViewArn

Specifies the [Amazon resource name \(ARN\)](#) of the view to use for the query. If you don't specify a value for this parameter, then the operation automatically uses the default view for the Amazon Web Services Region in which you called this operation. If the Region either doesn't have a default view or if you don't have permission to use the default view, then the operation fails with a 401 `Unauthorized` exception.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

Response Syntax

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

{
  "Count": {
    "Complete": boolean,
    "TotalResources": number
  },
  "NextToken": "string",
  "Resources": [
    {
      "Arn": "string",
      "LastReportedAt": "string",
      "OwningAccountId": "string",
      "Properties": [
        {
          "Data": JSON value,
          "LastReportedAt": "string",
          "Name": "string"
        }
      ],
      "Region": "string",
      "ResourceType": "string",
      "Service": "string"
    }
  ],
  "ViewArn": "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.

Count

The number of resources that match the query.

Type: [ResourceCount](#) object

[NextToken](#)

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null. The pagination tokens expire after 24 hours.

Type: String

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

[Resources](#)

The list of structures that describe the resources that match the query.

Type: Array of [Resource](#) objects

[ViewArn](#)

The [Amazon resource name \(ARN\)](#) of the view that this operation used to perform the search.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerError

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example 1: Search using the default view

The following example search displays all resources in the specified Amazon Web Services Region that are associated with the IAM service. The search uses the default view for the Region.

The example output includes a `NextToken`, which indicates that there is more output available to retrieve with additional calls.

Sample Request

```
POST /Search HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
```

```
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
Signature=<Signature>
```

```
{"QueryString": "service:IAM"}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Count": {
    "Complete": true,
    "TotalResources": 55
  },
  "NextToken":
  "AG9V0EF1KLEXAMPLE0hJHVwo5chEXAMPLER5XiEpNrgsEXAMPLE...b0Cm0F0ryHEXAMPLE",
  "Resources": [{
    "Arn": "arn:aws:iam::123456789012:policy/service-role/Some-Policy-For-A-
Service-Role",
    "LastReportedAt": "2022-07-21T12:34:42Z",
    "OwningAccountId": "123456789012",
    "Properties": [],
    "Region": "global",
    "ResourceType": "iam:policy",
    "Service": "iam"
  }, {
    "Arn": "arn:aws:iam::123456789012:policy/service-role/Another-Policy-For-A-
Service-Role",
    "LastReportedAt": "2022-07-21T12:34:42Z",
    "OwningAccountId": "123456789012",
    "Properties": [],
    "Region": "global",
    "ResourceType": "iam:policy",
    "Service": "iam"
  }, {
    ... TRUNCATED FOR BREVITY ...
  }],
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/my-default-
view/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111"
}
```

Example 2: Search using a specified view

The following example search displays all resources ("*") in the specified Amazon Web Services Region that are visible through the specified view.

The results include only resources associated with Amazon EC2 because of the filters attached to the view.

Sample Request

```
POST /Search HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "QueryString": "*",
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-view/
EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "Count": {
    "Complete": true,
    "TotalResources": 24
  },
  "Resources": [{
    "Arn": "arn:aws:ec2:us-east-1:123456789012:network-acl/acl-1a2b3c4d",
    "LastReportedAt": "2022-07-21T18:52:02Z",
    "OwningAccountId": "123456789012",
    "Properties": [{
      "Data": [{
```



```
    }],  
    "Region": "us-east-1",  
    "ResourceType": "ec2:dhcp-options",  
    "Service": "ec2"  
  }, {  
    ... TRUNCATED FOR BREVITY ...  
  }],  
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-view/  
EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"  
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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

Adds one or more tag key and value pairs to an Amazon Resource Explorer view or index.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:TagResource`

Resource: The ARN of the specified view or index that you want to tag.

[This action supports using condition keys to check the tags attached to the index or view to limit permissions.](#)

Related operations

- To remove tags from an index or view, use [UntagResource](#).

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[resourceArn](#)

The Amazon Resource Name (ARN) of the view or index that you want to attach tags to.

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

A list of tag key and value pairs that you want to attach to the specified view or index.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

ConflictException

If you attempted to create a view, then the request failed because either you specified parameters that didn't match the original request, or you attempted to create a view with a name that already exists in this Amazon Web Services Region.

If you attempted to create an index, then the request failed because either you specified parameters that didn't match the original request, or an index already exists in the current Amazon Web Services Region.

If you attempted to update an index type to AGGREGATOR, then the request failed because you already have an AGGREGATOR index in a different Amazon Web Services Region.

HTTP Status Code: 409

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example adds a tag with the key name "environment" and the value "production" to the view specified by its ARN.

Sample Request

```
POST /tags/arn%3Aaws%3Aresource-explorer-2%3Aus-east-1%3A123456789012%3Aview%2FMy-View%2FEXAMPLE8-90ab-cdef-fedc-EXAMPLE11111 HTTP/1.1
```

```
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "Tags": {
    "environment": "production"
  }
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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 one or more tag key and value pairs from an Amazon Resource Explorer view or index.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:UntagResource`

Resource: The ARN of the specified view or index from which you want to remove a tag.

[This action supports using condition keys to check the tags attached to the index or view to limit permissions.](#)

Related operations

- To attach tags to an index or view, use [TagResource](#).

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[resourceArn](#)

The Amazon Resource Name (ARN) of the view or index that you want to remove tags from.

Required: Yes

[tagKeys](#)

A list of the keys for the tags that you want to remove from the specified view or index.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example removes the tag pair with the key name "environment" from the view or index specified by its ARN.

Sample Request

```
DELETE /tags/arn%3Aaws%3Aresource-explorer-2%3Aus-east-1%3A123456789012%3Aview%2FMy-
EC2-Only-View%2F0bcc225f-b62f-4095-b772-0cdf63ee6d8d?tagKeys=environment HTTP/1.1
    Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
    Signature=<Signature>
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

UpdateIndexType

Changes the type of the index from one of the following types to the other. For more information about indexes and the role they perform in Amazon Resource Explorer, see [Turning on cross-Region search by creating an aggregator index](#) in the *Amazon Resource Explorer User Guide*.

- **AGGREGATOR index type**

The index contains information about resources from all Amazon Web Services Regions in the Amazon Web Services account in which you've created a Resource Explorer index. Resource information from all other Regions is replicated to this Region's index.

When you change the index type to AGGREGATOR, Resource Explorer turns on replication of all discovered resource information from the other Amazon Web Services Regions in your account to this index. You can then, from this Region only, perform resource search queries that span all Amazon Web Services Regions in the Amazon Web Services account. Turning on replication from all other Regions is performed by asynchronous background tasks. You can check the status of the asynchronous tasks by using the [GetIndex](#) operation. When the asynchronous tasks complete, the Status response of that operation changes from UPDATING to ACTIVE. After that, you can start to see results from other Amazon Web Services Regions in query results. However, it can take several hours for replication from all other Regions to complete.

Important

You can have only one aggregator index per Amazon Web Services account. Before you can promote a different index to be the aggregator index for the account, you must first demote the existing aggregator index to type LOCAL.

- **LOCAL index type**

The index contains information about resources in only the Amazon Web Services Region in which the index exists. If an aggregator index in another Region exists, then information in this local index is replicated to the aggregator index.

When you change the index type to LOCAL, Resource Explorer turns off the replication of resource information from all other Amazon Web Services Regions in the Amazon Web Services account to this Region. The aggregator index remains in the UPDATING state until all replication with other Regions successfully stops. You can check the status of the asynchronous task by

using the [GetIndex](#) operation. When Resource Explorer successfully stops all replication with other Regions, the Status response of that operation changes from UPDATING to ACTIVE. Separately, the resource information from other Regions that was previously stored in the index is deleted within 30 days by another background task. Until that asynchronous task completes, some results from other Regions can continue to appear in search results.

Important

After you demote an aggregator index to a local index, you must wait 24 hours before you can promote another index to be the new aggregator index for the account.

Minimum permissions

To run this command, you must have the following permissions:

- **Action:** `resource-explorer-2:UpdateIndexType`

Resource: The ARN of the index in the Amazon Web Services Region in which you call this operation.

[This action supports using condition keys to check the tags attached to the index to limit permissions.](#)

Related operations

- To create an index and turn on Resource Explorer in an Amazon Web Services Region, use [CreateIndex](#).
- To delete an index and turn off Resource Explorer in an Amazon Web Services Region, use [DeleteIndex](#).

Request Syntax

```
POST /UpdateIndexType HTTP/1.1
Content-type: application/json
```

```
{
  "Arn": "string",
```

```
"Type": "string"  
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Arn

The [Amazon resource name \(ARN\)](#) of the index that you want to update.

Type: String

Required: Yes

Type

The type of the index. To understand the difference between LOCAL and AGGREGATOR, see [Turning on cross-Region search](#) in the *Amazon Resource Explorer User Guide*.

Type: String

Valid Values: LOCAL | AGGREGATOR

Required: Yes

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "Arn": "string",  
  "LastUpdatedAt": "string",  
  "State": "string",  
  "Type": "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 index that you updated.

Type: String

LastUpdatedAt

The date and timestamp when the index was last updated.

Type: Timestamp

State

Indicates the state of the request to update the index. This operation is asynchronous. Call the [GetIndex](#) operation to check for changes.

Type: String

Valid Values: CREATING | ACTIVE | DELETING | DELETED | UPDATING

Type

Specifies the type of the specified index after the operation completes.

Type: String

Valid Values: LOCAL | AGGREGATOR

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

ConflictException

If you attempted to create a view, then the request failed because either you specified parameters that didn't match the original request, or you attempted to create a view with a name that already exists in this Amazon Web Services Region.

If you attempted to create an index, then the request failed because either you specified parameters that didn't match the original request, or an index already exists in the current Amazon Web Services Region.

If you attempted to update an index type to AGGREGATOR, then the request failed because you already have an AGGREGATOR index in a different Amazon Web Services Region.

HTTP Status Code: 409

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

You specified a resource that doesn't exist. Check the ID or ARN that you used to identify the resource, and try again.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because it exceeds a service quota.

Name

The name of the service quota that was exceeded by the request.

Value

The current value for the quota that the request tried to exceed.

HTTP Status Code: 402

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example

The following example converts the specified index from type `LOCAL` to type `AGGREGATOR`. This turns on the ability to search for resources across all Amazon Web Services Regions in the account. You must send the request to the Amazon Web Services Region that contains the index you want to update.

Sample Request

```
POST /UpdateIndexType HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-
cdef-fedc-EXAMPLE11111",
  "Type": "AGGREGATOR"
}
```

Sample Response

```
HTTP/1.1 200 OK
```

Date: Tue, 01 Nov 2022 20:00:59 GMT

Content-Type: application/json

Content-Length: <PayloadSizeBytes>

```
{
  "Arn": "arn:aws:resource-explorer-2:us-east-1:123456789012:index/EXAMPLE8-90ab-cdef-fedc-EXAMPLE11111",
  "LastUpdatedAt": "2022-07-13T18:41:58.799Z",
  "State": "UPDATING",
  "Type": "AGGREGATOR"
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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](#)

UpdateView

Modifies some of the details of a view. You can change the filter string and the list of included properties. You can't change the name of the view.

Minimum permissions

To call this operation, you must have the following permissions:

- **Action:** `resource-explorer-2:UpdateView`

Resource: The ARN of the specified view.

[This action supports using condition keys to check the tags attached to the view to limit permissions.](#)

Related operations

- To create a view, use [CreateView](#).
- To list the views in an Amazon Web Services Region, use [ListViews](#).
- To get details about your views, use [GetView](#) or [BatchGetView](#).
- To delete a view, use [DeleteView](#).
- To make a view the default for an Amazon Web Services Region, use [AssociateDefaultView](#). To remove the default for a Region, use [DisassociateDefaultView](#).

Request Syntax

```
POST /UpdateView HTTP/1.1
Content-type: application/json
```

```
{
  "Filters": {
    "FilterString": "string"
  },
  "IncludedProperties": [
    {
      "Name": "string"
    }
  ],
}
```

```
"ViewArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ViewArn

The [Amazon resource name \(ARN\)](#) of the view that you want to modify.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Required: Yes

Filters

An array of strings that specify which resources are included in the results of queries made using this view. When you use this view in a [Search](#) operation, the filter string is combined with the search's QueryString parameter using a logical AND operator.

For information about the supported syntax, see [Search query reference for Resource Explorer](#) in the *Amazon Resource Explorer User Guide*.

Important

This query string in the context of this operation supports only [filter prefixes](#) with optional [operators](#). It doesn't support free-form text. For example, the string `region:us* service:ec2 -tag:stage=prod` includes all Amazon EC2 resources in any Amazon Web Services Region that begins with the letters us and is *not* tagged with a key Stage that has the value prod.

Type: [SearchFilter](#) object

Required: No

IncludedProperties

Specifies optional fields that you want included in search results from this view. It is a list of objects that each describe a field to include.

The default is an empty list, with no optional fields included in the results.

Type: Array of [IncludedProperty](#) objects

Required: No

Response Syntax

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

{
  "View": {
    "Filters": {
      "FilterString": "string"
    },
    "IncludedProperties": [
      {
        "Name": "string"
      }
    ],
    "LastUpdatedAt": "string",
    "Owner": "string",
    "Scope": "string",
    "ViewArn": "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.

View

Details about the view that you changed with this operation.

Type: [View](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

The credentials that you used to call this operation don't have the minimum required permissions.

HTTP Status Code: 403

InternalServerErrorException

The request failed because of internal service error. Try your request again later.

HTTP Status Code: 500

ServiceQuotaExceededException

The request failed because it exceeds a service quota.

Name

The name of the service quota that was exceeded by the request.

Value

The current value for the quota that the request tried to exceed.

HTTP Status Code: 402

ThrottlingException

The request failed because you exceeded a rate limit for this operation. For more information, see [Quotas for Resource Explorer](#).

HTTP Status Code: 429

UnauthorizedException

The principal making the request isn't permitted to perform the operation.

HTTP Status Code: 401

ValidationException

You provided an invalid value for one of the operation's parameters. Check the syntax for the operation, and try again.

FieldList

An array of the request fields that had validation errors.

HTTP Status Code: 400

Examples

Example 1: Update the IncludedProperties field of a view

The following example updates the specified view by adding tags to its `IncludedProperties` field. After running this operation, search operations that use this view include information about any tags attached to the resources that appear in the results.

Sample Request

```
POST /UpdateView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "IncludedProperties": [
    {
      "Name": "tags"
    }
  ],
  "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
}
```

Sample Response

```
HTTP/1.1 200 OK
```

```
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>
```

```
{
  "View": {
    "Filters": {
      "FilterString": ""
    },
    "IncludedProperties": [
      {
        "Name": "tags"
      }
    ],
    "LastUpdatedAt": "2022-07-19T17:41:21.710Z",
    "Owner": "123456789012",
    "Scope": "arn:aws:iam::123456789012:root",
    "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-EC2-Only-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
  }
}
```

Example 2: Update the filters attached to a view

The following example updates the specified view to use a filter that limits results to only resource types that are associated with the Amazon EC2 service.

Sample Request

```
POST /UpdateView HTTP/1.1
Host: resource-explorer-2.us-east-1.amazonaws.com
X-Amz-Date: 20221101T200059Z
Accept-Encoding: identity
User-Agent: <UserAgentString>
Content-Length: <PayloadSizeBytes>
Authorization: AWS4-HMAC-SHA256 Credential=<Credential>, SignedHeaders=<Headers>,
  Signature=<Signature>

{
  "Filters": {
    "FilterString": "service:ec2"
  },
}
```

```
"ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
}
```

Sample Response

```
HTTP/1.1 200 OK
Date: Tue, 01 Nov 2022 20:00:59 GMT
Content-Type: application/json
Content-Length: <PayloadSizeBytes>

{
  "View": {
    "Filters": {
      "FilterString": "service:ec2"
    },
    "IncludedProperties": [],
    "LastUpdatedAt": "2022-07-19T17:41:21.710Z",
    "Owner": "123456789012",
    "Scope": "arn:aws:iam::123456789012:root",
    "ViewArn": "arn:aws:resource-explorer-2:us-east-1:123456789012:view/My-View/EXAMPLE8-90ab-cdef-fedc-EXAMPLE22222"
  }
}
```

See Also

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

- [Amazon Command Line Interface V2](#)
- [Amazon SDK for .NET V4](#)
- [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 Amazon Resource Explorer API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [BatchGetViewError](#)
- [ErrorDetails](#)
- [IncludedProperty](#)
- [Index](#)
- [IndexStatus](#)
- [ManagedView](#)
- [MemberIndex](#)
- [OrgConfiguration](#)
- [RegionStatus](#)
- [Resource](#)
- [ResourceCount](#)
- [ResourceProperty](#)
- [SearchFilter](#)
- [ServiceView](#)
- [StreamingAccessDetails](#)
- [SupportedResourceType](#)
- [ValidationExceptionField](#)
- [View](#)
- [ViewStatus](#)

BatchGetViewError

A collection of error messages for any views that Amazon Resource Explorer couldn't retrieve details.

Contents

Note

In the following list, the required parameters are described first.

ErrorMessage

The description of the error for the specified view.

Type: String

Required: Yes

ViewArn

The [Amazon resource name \(ARN\)](#) of the view for which Resource Explorer failed to retrieve details.

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](#)

ErrorDetails

Contains information about an error that occurred during a Resource Explorer setup operation.

Contents

Note

In the following list, the required parameters are described first.

Code

The error code that identifies the type of error that occurred.

Type: String

Required: No

Message

A human-readable description of the error that occurred.

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](#)

IncludedProperty

Information about an additional property that describes a resource, that you can optionally include in the view. This lets you view that property in search results, and filter your search results based on the value of the property.

Contents

Note

In the following list, the required parameters are described first.

Name

The name of the property that is included in this view.

You can specify the following property names for this field:

- tags

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

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](#)

Index

An index is the data store used by Amazon Resource Explorer to hold information about your Amazon resources that the service discovers. Creating an index in an Amazon Web Services Region turns on Resource Explorer and lets it discover your resources.

By default, an index is *local*, meaning that it contains information about resources in only the same Region as the index. However, you can promote the index of one Region in the account by calling [UpdateIndexType](#) to convert it into an aggregator index. The aggregator index receives a replicated copy of the index information from all other Regions where Resource Explorer is turned on. This allows search operations in that Region to return results from all Regions in the account.

Contents

Note

In the following list, the required parameters are described first.

Arn

The [Amazon resource name \(ARN\)](#) of the index.

Type: String

Required: No

Region

The Amazon Web Services Region in which the index exists.

Type: String

Required: No

Type

The type of index. It can be one of the following values:

- **LOCAL** – The index contains information about resources from only the same Amazon Web Services Region.

- **AGGREGATOR** – Resource Explorer replicates copies of the indexed information about resources in all other Amazon Web Services Regions to the aggregator index. This lets search results in the Region with the aggregator index to include resources from all Regions in the account where Resource Explorer is turned on.

Type: String

Valid Values: LOCAL | AGGREGATOR

Required: No

See Also

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)
- [Amazon SDK for Ruby V3](#)

IndexStatus

Contains information about the status of a Resource Explorer index operation in a specific Region.

Contents

Note

In the following list, the required parameters are described first.

ErrorDetails

Details about any error that occurred during the index operation.

Type: [ErrorDetails](#) object

Required: No

Index

An index is the data store used by Amazon Resource Explorer to hold information about your Amazon resources that the service discovers. Creating an index in an Amazon Web Services Region turns on Resource Explorer and lets it discover your resources.

By default, an index is *local*, meaning that it contains information about resources in only the same Region as the index. However, you can promote the index of one Region in the account by calling [UpdateIndexType](#) to convert it into an aggregator index. The aggregator index receives a replicated copy of the index information from all other Regions where Resource Explorer is turned on. This allows search operations in that Region to return results from all Regions in the account.

Type: [Index](#) object

Required: No

Status

The current status of the index operation. Valid values are SUCCEEDED, FAILED, IN_PROGRESS, or SKIPPED.

Type: String

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS | SKIPPED

Required: No

See Also

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)
- [Amazon SDK for Ruby V3](#)

ManagedView

An Amazon-managed view is how other Amazon services can access resource information indexed by Resource Explorer for your Amazon account or organization with your consent. For more information, see [Managed views](#).

Contents

Note

In the following list, the required parameters are described first.

Filters

A search filter defines which resources can be part of a search query result set.

Type: [SearchFilter](#) object

Required: No

IncludedProperties

A structure that contains additional information about the managed view.

Type: Array of [IncludedProperty](#) objects

Required: No

LastUpdatedAt

The date and time when this managed view was last modified.

Type: Timestamp

Required: No

ManagedViewArn

The [Amazon resource name \(ARN\)](#) of the managed view.

Type: String

Required: No

ManagedViewName

The name of the managed view.

Type: String

Required: No

Owner

The Amazon Web Services account that owns this managed view.

Type: String

Required: No

ResourcePolicy

The resource policy that defines access to the managed view. To learn more about this policy, review [Managed views](#).

Type: String

Required: No

Scope

An [Amazon resource name \(ARN\)](#) of an Amazon Web Services account or organization that specifies whether this managed view includes resources from only the specified Amazon Web Services account or all accounts in the specified organization.

Type: String

Required: No

TrustedService

The service principal of the Amazon service that created and manages the managed view.

Type: String

Required: No

Version

The version of the managed view.

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](#)

MemberIndex

An index is the data store used by Amazon Resource Explorer to hold information about your Amazon resources that the service discovers.

Contents

Note

In the following list, the required parameters are described first.

AccountId

The account ID for the index.

Type: String

Required: No

Arn

The [Amazon resource name \(ARN\)](#) of the index.

Type: String

Required: No

Region

The Amazon Web Services Region in which the index exists.

Type: String

Required: No

Type

The type of index. It can be one of the following values:

- LOCAL – The index contains information about resources from only the same Amazon Web Services Region.
- AGGREGATOR – Resource Explorer replicates copies of the indexed information about resources in all other Amazon Web Services Regions to the aggregator index. This lets search

results in the Region with the aggregator index to include resources from all Regions in the account where Resource Explorer is turned on.

Type: String

Valid Values: LOCAL | AGGREGATOR

Required: No

See Also

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)
- [Amazon SDK for Ruby V3](#)

OrgConfiguration

This is a structure that contains the status of Amazon service access, and whether you have a valid service-linked role to enable multi-account search for your organization.

Contents

Note

In the following list, the required parameters are described first.

AWSServiceAccessStatus

This value displays whether your Amazon service access is ENABLED or DISABLED.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

ServiceLinkedRole

This value shows whether or not you have a valid a service-linked role required to start the multi-account search feature.

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](#)

RegionStatus

Contains information about the status of Resource Explorer configuration in a specific Amazon Web Services Region.

Contents

Note

In the following list, the required parameters are described first.

Index

The status information for the Resource Explorer index in this Region.

Type: [IndexStatus](#) object

Required: No

Region

The Amazon Web Services Region for which this status information applies.

Type: String

Pattern: `[a-z- ]+-[a-z ]+-[0-9]`

Required: No

View

The status information for the Resource Explorer view in this Region.

Type: [ViewStatus](#) object

Required: No

See Also

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

- [Amazon SDK for C++](#)
- [Amazon SDK for Java V2](#)
- [Amazon SDK for Ruby V3](#)

Resource

A resource in Amazon that Amazon Resource Explorer has discovered, and for which it has stored information in the index of the Amazon Web Services Region that contains the resource.

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

LastReportedAt

The date and time that Resource Explorer last queried this resource and updated the index with the latest information about the resource.

Type: Timestamp

Required: No

OwningAccountId

The Amazon Web Services account that owns the resource.

Type: String

Required: No

Properties

A structure with additional type-specific details about the resource. These properties can be added by turning on integration between Resource Explorer and other Amazon services.

Type: Array of [ResourceProperty](#) objects

Required: No

Region

The Amazon Web Services Region in which the resource was created and exists.

Type: String

Required: No

ResourceType

The type of the resource.

Type: String

Required: No

Service

The Amazon Web Services service that owns the resource and is responsible for creating and updating it.

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](#)

ResourceCount

Information about the number of results that match the query. At this time, Amazon Resource Explorer doesn't count more than 1,000 matches for any query. This structure provides information about whether the query exceeded this limit.

This field is included in every page when you paginate the results.

Contents

Note

In the following list, the required parameters are described first.

Complete

Indicates whether the `TotalResources` value represents an exhaustive count of search results.

- If `True`, it indicates that the search was exhaustive. Every resource that matches the query was counted.
- If `False`, then the search reached the limit of 1,000 matching results, and stopped counting.

Type: Boolean

Required: No

TotalResources

The number of resources that match the search query. This value can't exceed 1,000. If there are more than 1,000 resources that match the query, then only 1,000 are counted and the `Complete` field is set to false. We recommend that you refine your query to return a smaller number of results.

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](#)

ResourceProperty

A structure that describes a property of a resource.

Contents

Note

In the following list, the required parameters are described first.

Data

Details about this property. The content of this field is a JSON object that varies based on the resource type.

Type: JSON value

Required: No

LastReportedAt

The date and time that the information about this resource property was last updated.

Type: Timestamp

Required: No

Name

The name of this property 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](#)

SearchFilter

A search filter defines which resources can be part of a search query result set.

Contents

Note

In the following list, the required parameters are described first.

FilterString

The string that contains the search keywords, prefixes, and operators to control the results that can be returned by a [Search](#) operation. For more details, see [Search query syntax](#).

Type: String

Length Constraints: Minimum length of 0. 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](#)

ServiceView

Contains the configuration and properties of a Resource Explorer service view.

Contents

Note

In the following list, the required parameters are described first.

ServiceViewArn

The Amazon Resource Name (ARN) of the service view.

Type: String

Required: Yes

Filters

A search filter defines which resources can be part of a search query result set.

Type: [SearchFilter](#) object

Required: No

IncludedProperties

A list of additional resource properties that are included in this view for search and filtering purposes.

Type: Array of [IncludedProperty](#) objects

Required: No

ScopeType

The scope type of the service view, which determines what resources are included.

Type: String

Required: No

StreamingAccessForService

The Amazon Web Services service that has streaming access to this view's data.

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](#)

StreamingAccessDetails

Contains information about an Amazon service that has been granted streaming access to your Resource Explorer data.

Contents

Note

In the following list, the required parameters are described first.

CreatedAt

The date and time when streaming access was granted to the Amazon service, in ISO 8601 format.

Type: Timestamp

Required: Yes

ServicePrincipal

The service principal of the Amazon service that has streaming access to your Resource Explorer data. A service principal is a unique identifier for an Amazon service.

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](#)

SupportedResourceType

A structure that describes a resource type supported by Amazon Resource Explorer.

Contents

Note

In the following list, the required parameters are described first.

ResourceType

The unique identifier of the resource type.

Type: String

Required: No

Service

The Amazon Web Services service that is associated with the resource type. This is the primary service that lets you create and interact with resources of this 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](#)

ValidationExceptionField

A structure that describes a request field with a validation error.

Contents

Note

In the following list, the required parameters are described first.

Name

The name of the request field that had a validation error.

Type: String

Required: Yes

ValidationIssue

The validation error caused by the request field.

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](#)

View

A view is a structure that defines a set of filters that provide a view into the information in the Amazon Resource Explorer index. The filters specify which information from the index is visible to the users of the view. For example, you can specify filters that include only resources that are tagged with the key "ENV" and the value "DEVELOPMENT" in the results returned by this view. You could also create a second view that includes only resources that are tagged with "ENV" and "PRODUCTION".

Contents

Note

In the following list, the required parameters are described first.

Filters

An array of [SearchFilter](#) objects that specify which resources can be included in the results of queries made using this view.

Type: [SearchFilter](#) object

Required: No

IncludedProperties

A structure that contains additional information about the view.

Type: Array of [IncludedProperty](#) objects

Required: No

LastUpdatedAt

The date and time when this view was last modified.

Type: Timestamp

Required: No

Owner

The Amazon Web Services account that owns this view.

Type: String

Required: No

Scope

An [Amazon resource name \(ARN\)](#) of an Amazon Web Services account, an organization, or an organizational unit (OU) that specifies whether this view includes resources from only the specified Amazon Web Services account, all accounts in the specified organization, or all accounts in the specified OU.

If not specified, the value defaults to the Amazon Web Services account used to call this operation.

Type: String

Required: No

ViewArn

The [Amazon resource name \(ARN\)](#) of the view.

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](#)

ViewStatus

Contains information about the status of a Resource Explorer view operation in a specific Region.

Contents

Note

In the following list, the required parameters are described first.

ErrorDetails

Details about any error that occurred during the view operation.

Type: [ErrorDetails](#) object

Required: No

Status

The current status of the view operation. Valid values are SUCCEEDED, FAILED, IN_PROGRESS, or SKIPPED.

Type: String

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS | SKIPPED

Required: No

View

A view is a structure that defines a set of filters that provide a view into the information in the Amazon Resource Explorer index. The filters specify which information from the index is visible to the users of the view. For example, you can specify filters that include only resources that are tagged with the key "ENV" and the value "DEVELOPMENT" in the results returned by this view. You could also create a second view that includes only resources that are tagged with "ENV" and "PRODUCTION".

Type: [View](#) object

Required: No

See Also

For more information about using this API in 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 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*.

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

Common Error Types

This section lists common error types that this Amazon service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to Amazon standards. Verify that you're using valid Amazon credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact Amazon Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your Amazon account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The Amazon SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or Amazon access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400