

Cloud Control API



Cloud Control API: User Guide

Table of Contents

What is Amazon Cloud Control API?	1
Are you a first-time Cloud Control API user?	1
Features of Cloud Control API	1
Related services	2
Accessing Cloud Control API	2
How it works	3
Setting up	5
Sign up for Amazon	5
Create an IAM user	5
Secure IAM users	5
Getting started	6
Create a resource	6
Read a resource	7
Update a resource	8
List resources	10
Delete a resource	11
Next steps	12
Security	13
VPC endpoints (Amazon PrivateLink)	14
Considerations for Cloud Control API VPC endpoints	15
Creating an interface VPC endpoint for Cloud Control API	15
Creating a VPC endpoint policy for Cloud Control API	15
See also	17
Performing resource operations	18
Prerequisites	18
Specifying credentials	19
Ensuring requests are unique	20
Considerations	20
Creating a resource	20
Composing the desired state of the resource	21
Tracking create requests	21
Updating a resource	22
Composing the patch document	22
How Cloud Control API updates resources	23

Tracking the progress of an update resource request	24
Deleting a resource	24
Tracking the progress of a delete resource request	25
Discovering resources	25
Resources requiring additional information	26
Reading a resource	29
Managing resource requests	30
Listing active resource operation requests	30
Tracking request progress	31
Canceling resource operation requests	32
Identifying resources	32
Getting a resource's primary identifier	33
Using a resource's primary identifier	33
Using resource types	35
Managing resource types	36
Determining resource type support	36
Viewing resource type schemas	37
Viewing resource property attributes	39
Viewing supported resource operations	39
Supported resource types	41
Document history	109

What is Amazon Cloud Control API?

Use Amazon Cloud Control API to create, read, update, delete, and list (CRUD-L) your cloud resources that belong to a wide range of Amazon services. With the Cloud Control API standardized set of application programming interfaces (APIs), you can perform CRUD-L operations on any supported resources in your Amazon Web Services account. Using Cloud Control API, you won't have to generate code or scripts specific to each individual service responsible for those resources.

Important

Cloud Control API doesn't support third-party resource types in the China (Beijing) Region or the China (Ningxia) Region.

Topics

- [Are you a first-time Cloud Control API user?](#)
- [Features of Cloud Control API](#)
- [Related services](#)
- [Accessing Cloud Control API](#)
- [How Cloud Control API works](#)

Are you a first-time Cloud Control API user?

If you're a first-time user of Cloud Control API, we recommend that you begin by reading the following sections:

- [Setting up Amazon Cloud Control API](#)
- [Getting started with Cloud Control API](#)

Features of Cloud Control API

Cloud Control API provides you with consistent control over the resources in your Amazon account by offering a standardized way of accessing and provisioning those resources. It provides a uniform programmatic interface for making calls directly to the various resource types available in your

Amazon account, without you having to familiarize yourself with APIs of the underlying web services.

Related services

Similar to Cloud Control API, Amazon CloudFormation also uses resource types to call underlying web services APIs to provision those resources when you place such a request in your account. However, CloudFormation focuses on providing resource management, by treating infrastructure as code. Using CloudFormation, you can author declarative templates that include multiple resources and their dependencies, and then provision those resources as a *stack*. A stack is a single unit that you then manage through Amazon CloudFormation. You can also centrally manage and provision stacks across multiple Amazon Web Services accounts and Amazon Web Services Regions. To be managed through CloudFormation, a resource must be created as part of a stack or imported into a stack. For more information, see the [Amazon CloudFormation User Guide](#).

Accessing Cloud Control API

Cloud Control API provides API operations for generating create, read, update, delete, and list (CRUD-L) resource requests in addition to tracking and managing those requests. You use the Amazon Command Line Interface (Amazon CLI) for Cloud Control API operations.

The following table shows the Cloud Control API operations you can use to generate CRUD-L resource requests.

API operation	Amazon CLI command
CreateResource	create-resource
DeleteResource	delete-resource
GetResource	get-resource
ListResources	list-resources
UpdateResource	update-resource

The following table shows the Cloud Control API operations that you can use to track and manage resource requests while they're in process.

API operation	Amazon CLI command
CancelResourceRequest	cancel-resource-request
GetResourceRequestStatus	get-resource-request-status
ListResourceRequests	list-resource-requests

How Cloud Control API works

Cloud Control API provides you with centralized control over the resources in your Amazon Web Services account and a consistent way of accessing and provisioning those resources. It provides a uniform programmatic interface for making calls directly to the various resource types available in your Amazon Web Services account.

A *resource type* represents an artifact that can be provisioned through a web service: an Amazon Elastic Compute Cloud (Amazon EC2) instance, an Amazon Relational Database Service (Amazon RDS) database instance, an Amazon Identity and Access Management (IAM) policy, or even an entire web application. Each resource type uses a standardized syntax to support some or all the following lifecycle events: create, read, update, delete, and list (CRUD-L). You can directly invoke these CRUD-L event handlers using Cloud Control API as a consistent set of APIs.

Each resource type is defined by its *resource type schema*. This document is compliant with the [JSON schema](#) open standard, and includes:

- A complete list of each resource property and its associated metadata, including whether the property is required, data type, and value constraints.
- The CRUD-L events that the resource type supports, and the permissions necessary for Cloud Control API to invoke each supported event handler.

When you create or update a resource, you specify JSON that represents the properties and property values you want to set for the resource. Cloud Control API handles the actual calls to the underlying web services to perform the requested changes. For read requests, Cloud Control API returns JSON that represents the current state of the specified resource. For list requests, Cloud Control API returns either the resource identifier or JSON that represents the current state of the specified resources.

You can use Cloud Control API to perform operations on existing resources, even if those resources weren't created using Cloud Control API. For example, you could use Cloud Control API to return property information about each Amazon Lambda function in your Amazon Web Services account.

For a brief tutorial on how to use Cloud Control API to perform resource operations, see [Getting started with Cloud Control API](#).

For more information about resource types and how to use them with Cloud Control API, see [Using resource types](#).

Setting up Amazon Cloud Control API

To use Amazon Cloud Control API, you'll need to have an Amazon Web Services account in which you have set yourself up as an Amazon Identity and Access Management (IAM) administrator user.

Topics

- [Sign up for Amazon](#)
- [Create an IAM user](#)

Sign up for Amazon

If you do not have an Amazon Web Services account, use the following procedure to create one.

To sign up for Amazon Web Services

1. Open <http://www.amazonaws.cn/> and choose **Sign Up**.
2. Follow the on-screen instructions.

Create an IAM user

Secure IAM users

After you sign up for an Amazon Web Services account, safeguard your administrative user by turning on multi-factor authentication (MFA). For instructions, see [Enable a virtual MFA device for an IAM user \(console\)](#) in the *IAM User Guide*.

To give other users access to your Amazon Web Services account resources, create IAM users. To secure your IAM users, turn on MFA and only give the IAM users the permissions needed to perform their tasks.

For more information about creating and securing IAM users, see the following topics in the *IAM User Guide*:

- [Creating an IAM user in your Amazon Web Services account](#)
- [Access management for Amazon resources](#)
- [Example IAM identity-based policies](#)

Getting started with Cloud Control API

Use this short tutorial to get started performing resource operations with Amazon Cloud Control API. You'll learn the basics of using Cloud Control API to create, read, update, delete, and list resources.

Topics

- [Step 1: Create a resource](#)
- [Step 2: Read \(describe\) a resource](#)
- [Step 3: Update a resource](#)
- [Step 4: List all resources of a certain type](#)
- [Step 5: Delete a resource](#)
- [Next steps](#)

Step 1: Create a resource

For this tutorial, create a resource of type [AWS::Logs::LogGroup](#). Name this log group **CloudControlExample**, and set the retention policy on it to 90 days.

1. In the Amazon Command Line Interface (Amazon CLI), run the `create-resource` command with the following parameters:
 - Specify the `type-name` as `AWS::Logs::LogGroup`.
 - Specify the `desired-state` as a string containing JSON that sets the desired properties:

```
{"LogGroupName": "CloudControlExample", "RetentionInDays": 90}
```

```
$ aws cloudcontrol create-resource --type-name AWS::Logs::LogGroup \
  --desired-state '{"LogGroupName": "CloudControlExample", "RetentionInDays": 90}'
```

Cloud Control API returns a `ProgressEvent` object that contains information about the status of your resource operation request.

```
{
  "ProgressEvent": {
```

```
"EventTime": "2021-08-26T22:07:23.347Z",
"TypeName": "AWS::Logs::LogGroup",
"OperationStatus": "IN_PROGRESS",
"Operation": "CREATE",
"Identifier": "CloudControlExample",
"RequestToken": "758f4a4e-fef4-491a-9b07-00123456789"
}
}
```

2. To track the status of your resource operation request, run the `get-resource-request-status` command with the following parameter:
 - Specify the `request-token` parameter as the `RequestToken` property value returned in the `ProgressEvent` object.

```
$ aws cloudcontrol get-resource-request-status --request-token 758f4a4e-fef4-491a-9b07-00123456789
```

Cloud Control API returns a `ProgressEvent` object that contains information about the status of your resource operation request. When Cloud Control API has successfully created the resource, it sets the `OperationStatus` value to `SUCCESS`.

```
{
  "ProgressEvent": {
    "EventTime": "2021-08-26T22:29:23.326Z",
    "TypeName": "AWS::Logs::LogGroup",
    "OperationStatus": "SUCCESS",
    "Operation": "CREATE",
    "Identifier": "CloudControlExample",
    "RequestToken": "758f4a4e-fef4-491a-9b07-00123456789"
  }
}
```

Step 2: Read (describe) a resource

Next, read the current state of the resource you just created.

- In the Amazon CLI, run the `get-resource` command with the following parameter:

- Specify `identifier` as the `identifier` property value returned in the `ProgressEvent` object when you created the resource. In this case, it's `CloudControlExample`, the name you specified for the log group.

```
$ aws cloudcontrol get-resource --type-name AWS::Logs::LogGroup --identifier CloudControlExample
```

Cloud Control API returns detailed information about the resource's current state, including a model of its properties and settings. In this case, this includes a property, `Arn`, that was generated by Amazon CloudWatch Events when the resource was created.

```
{
  "TypeName": "AWS::Logs::LogGroup",
  "ResourceDescription": {
    "Identifier": "CloudControlExample",
    "ResourceModel": '{"RetentionInDays": 90, "LogGroupName": "CloudControlExample", "Arn": "arn:aws:logs:us-west-2:090123456789:log-group:CloudControlExample:*"}'
  }
}
```

Step 3: Update a resource

Next, update your log group to double the retention policy to 180 days.

1. In the Amazon CLI, run the `update-resource` command with the following parameter:

- Specify the `type-name` as `AWS::Logs::LogGroup`.
- Specify `identifier` as the `identifier` property value returned in the `ProgressEvent` object when you created the resource. In this case, it's `CloudControlExample`, the name you specified for the log group.
- Specify the `patch-document` parameter as a string containing JSON that represents a replacement operation that updates the retention policy to 180 days.

```
[{"op": "replace", "path": "RetentionInDays", "value": 180}]
```

For detailed information about composing patch documents, see [Composing the patch document](#).

```
$ aws cloudcontrol update-resource --type-name AWS::Logs::LogGroup \  
  --identifier CloudControlExample \  
  --patch-document ' [{"op": "replace", "path": "RetentionInDays", "value":180}] '
```

Cloud Control API returns a `ProgressEvent` object that contains information about the status of your resource operation request.

```
{  
  "ProgressEvent": {  
    "EventTime": "2021-08-26T22:29:22.547Z",  
    "ResourceModel":  
    '{ "RetentionInDays":180,"LogGroupName":"CloudControlExample"}',  
    "TypeName": "AWS::Logs::LogGroup",  
    "OperationStatus": "IN_PROGRESS",  
    "Operation": "UPDATE",  
    "Identifier": "CloudControlExample",  
    "RequestToken": "2026055d-f21c-4b50-bd40-111111111111"  
  }  
}
```

2. To track the status of your resource operation request, run the `get-resource-request-status` command with the following parameter:
 - Specify the `request-token` parameter as the `RequestToken` property value returned in the `ProgressEvent` object.

```
$ aws cloudcontrol get-resource-request-status --request-token 2026055d-f21c-4b50-  
bd40-123456789012
```

Cloud Control API returns a `ProgressEvent` object that contains information about the status of your resource operation request. When Cloud Control API has successfully updated the resource, it sets the `OperationStatus` value to `SUCCESS`.

```
{  
  "ProgressEvent": {
```

```

    "EventTime": "2021-08-26T22:29:23.326Z",
    "TypeName": "AWS::Logs::LogGroup",
    "OperationStatus": "SUCCESS",
    "Operation": "UPDATE",
    "Identifier": "CloudControlExample",
    "RequestToken": "2026055d-f21c-4b50-bd40-123456789012"
  }
}

```

Step 4: List all resources of a certain type

Next, use Cloud Control API to discover resources in your Amazon Web Services account.

- In the Amazon CLI, run the `list-resources` command with the following parameter:
 - Specify the `type-name` as `AWS::Logs::LogGroup`.

```
$ aws cloudcontrol list-resources --type-name AWS::Logs::LogGroup
```

Cloud Control API returns a list of the `AWS::Logs::LogGroup` resources in your account, by primary identifier. This includes `CloudControlExample`, the resource you created as part of this tutorial, in addition to any other log groups that already exist in your account. Also, for `AWS::Logs::LogGroup` resources, the information returned by `list-resources` includes the properties for each resource.

```

{
  "TypeName": "AWS::Logs::LogGroup",
  "ResourceDescriptions": [
    {
      "Identifier": "CloudControlExample",
      "Properties": '{"RetentionInDays":180, "LogGroupName":
"CloudControlExample", "Arn":"arn:aws:logs:us-west-2:090123456789:log-
group:CloudControlExample:*"}'
    },
    {
      "Identifier": "AnotherLogGroupResourceExample",
      "Properties": '{"RetentionInDays": 90, "LogGroupName":
"AnotherLogGroupResourceExample", "Arn": "arn:aws:logs:us-west-2:011111111111:log-
group:AnotherLogGroupResourceExample:*"}'
    }
  ]
}

```

```
    },  
  ]  
}
```

Step 5: Delete a resource

Finally, delete your log group to clean up from this tutorial.

1. In the Amazon CLI, run the `delete-resource` command with the following parameter:
 - Specify the `type-name` as `AWS::Logs::LogGroup`.
 - Specify `identifier` as the `identifier` property value returned in the `ProgressEvent` object when you created the resource. In this case, it's **CloudControlExample**, the name you specified for the log group.

```
$ aws cloudcontrol delete-resource --type-name AWS::Logs::LogGroup --identifier  
CloudControlExample
```

Cloud Control API returns a `ProgressEvent` object that contains information about the status of your resource operation request.

```
{  
  "ProgressEvent": {  
    "EventTime": "2021-08-26T22:50:20.037Z",  
    "TypeName": "AWS::Logs::LogGroup",  
    "OperationStatus": "IN_PROGRESS",  
    "Operation": "DELETE",  
    "Identifier": "CloudControlExample",  
    "RequestToken": "bb0ed9cd-84f9-44c2-b638-000000000000"  
  }  
}
```

2. To track the status of your resource operation request, run the `get-resource-request-status` command with the following parameter:
 - Specify the `request-token` parameter as the `RequestToken` property value returned in the `ProgressEvent` object.

```
$ aws cloudcontrol get-resource-request-status --request-token 2026055d-f21c-4b50-bd40-111111111111
```

Cloud Control API returns a `ProgressEvent` object that contains information about the status of your resource operation request. When Cloud Control API has successfully deleted the resource, it sets the `OperationStatus` value to `SUCCESS`.

```
{
  "ProgressEvent": {
    "EventTime": "2021-08-26T22:50:20.831Z",
    "TypeName": "AWS::Logs::LogGroup",
    "OperationStatus": "SUCCESS",
    "Operation": "DELETE",
    "Identifier": "CloudControlExample",
    "RequestToken": "bb0ed9cd-84f9-44c2-b638-000000000000"
  }
}
```

Next steps

For detailed information and examples on using Cloud Control API with resources, see [Performing resource operations](#).

Security in Amazon Cloud Control API

Cloud security at Amazon is the highest priority. As an Amazon customer, you benefit from a data center and network architecture that's built to meet the requirements of the most security-sensitive organizations.

Security is a shared responsibility between Amazon and you. The [shared responsibility model](#) describes this as security of the cloud and security in the cloud:

- **Security of the cloud** – Amazon is responsible for protecting the infrastructure that runs Amazon services in the Amazon Web Services Cloud. Amazon also provides you with services that you can use securely. Third-party auditors regularly test and verify the effectiveness of our security as part of the [Amazon Compliance Programs](#). To learn about the compliance programs that apply to Cloud Control API, see [Amazon Services in Scope by Compliance Program](#).
- **Security in the cloud** – Your responsibility is determined by the Amazon service that you use. You are also responsible for other factors including the sensitivity of your data, your company's requirements, and applicable laws and regulations.

Amazon CloudFormation provides the security architecture for Cloud Control API; because of this, you will need to configure CloudFormation to meet your security and compliance objectives when using Cloud Control API. Refer to the [Security](#) section in the *Amazon CloudFormation User Guide* to help you understand how to apply the shared responsibility model when using Amazon CloudFormation. You can also learn how to use other Amazon services that help you to monitor and secure your Amazon CloudFormation and Cloud Control API resources.

Note the following areas where Cloud Control API differs from CloudFormation when addressing security and compliance concerns:

- For Amazon Identity and Access Management (IAM) integration:
 - In IAM policies, Cloud Control API actions are specified with the "cloudformation" prefix.

For example, the following policy grants create, read, update, and list (but not delete) resource actions.

```
{
  "Version": "2012-10-17",
  "Statement": [{
```

```
    "Effect": "Allow",
    "Action": [
        "cloudformation:CreateResource",
        "cloudformation:GetResource",
        "cloudformation:UpdateResource",
        "cloudformation:ListResources"
    ],
    "Resource": "*"
  }
}
```

- Cloud Control API does not currently support [CloudFormation resource-level permissions](#).
- Cloud Control API does not currently support use of [CloudFormation conditions](#).

For more information, see [Controlling access with Amazon Identity and Access Management](#) in the *Amazon CloudFormation User Guide*.

- Cloud Control API does not currently support [Custom resources](#).
- When activity occurs in Cloud Control API and is recorded in Amazon CloudTrail, the event source is listed as `cloudcontrolapi.amazonaws.com`.

For more information, see [Logging Amazon CloudFormation API calls with Amazon CloudTrail](#) in the *Amazon CloudFormation User Guide*.

Amazon Cloud Control API and interface VPC endpoints (Amazon PrivateLink)

You can establish a private connection between your virtual private cloud (VPC) and Amazon Cloud Control API by creating an *interface VPC endpoint*. Interface endpoints are powered by [Amazon PrivateLink](#), a technology that enables you to privately access Cloud Control API APIs without an internet gateway, NAT device, VPN connection, or Amazon Direct Connect connection. Instances in your VPC don't need public IP addresses to communicate with Cloud Control API APIs. Traffic between your VPC and Cloud Control API doesn't keep the Amazon network.

Each interface endpoint is represented by one or more [Elastic Network Interfaces](#) in your subnets.

For more information, see [Interface VPC endpoints \(Amazon PrivateLink\)](#) in the *Amazon VPC User Guide*.

Considerations for Cloud Control API VPC endpoints

Before you set up an interface VPC endpoint for Cloud Control API, ensure that you review [Interface endpoint properties and limitations](#) in the *Amazon VPC User Guide*.

Cloud Control API supports making calls to all of its API actions from your VPC.

Creating an interface VPC endpoint for Cloud Control API

You can create a VPC endpoint for the Cloud Control API service using either the Amazon VPC console or the Amazon Command Line Interface (Amazon CLI). For more information, see [Creating an interface endpoint](#) in the *Amazon VPC User Guide*.

Create a VPC endpoint for Cloud Control API using the following service name:

- `cn.com.amazonaws.region.cloudcontrolapi`

If you enable private DNS for the endpoint, you can make API requests to Cloud Control API using its default DNS name for the Region.

For more information, see [Accessing a service through an interface endpoint](#) in the *Amazon VPC User Guide*.

Creating a VPC endpoint policy for Cloud Control API

You can attach an endpoint policy to your VPC endpoint that controls access to Cloud Control API. The policy specifies the following information:

- The principal that can perform actions.
- The actions that can be performed.
- The resources on which actions can be performed.

For more information, see [Controlling access to services with VPC endpoints](#) in the *Amazon VPC User Guide*.

⚠ Important

VPCE endpoint policy details are not passed to any downstream services invoked by Cloud Control API for evaluation. Because of this, policies specifying actions or resources that belong to downstream services are not enforced.

For example, suppose you created an Amazon EC2 instance in a VPC instance with a VPC endpoint for Cloud Control API in a subnet with no Internet access. Next, you attach the following VPC endpoint policy to the VPCE:

```
{
  "Statement": [
    {
      "Action": [
        "cloudformation:*",
        "ec2:*",
        "lambda:*"
      ],
      "Effect": "Allow",
      "Principal": "*",
      "Resource": "*"
    }
  ]
}
```

If a user with administrator access then sends a request to access an Amazon S3 bucket in the instance, no service error would be returned, even though Amazon S3 access is not granted in the VPCE policy.

Example: VPC endpoint policy for Cloud Control API actions

The following is an example of an endpoint policy for Cloud Control API. When attached to an endpoint, this policy grants access to the listed Cloud Control API actions for all principals on all resources. The following example denies all users the permission to create resources through the VPC endpoint, and allows full access to all other actions on the Cloud Control API service.

```
{
  "Statement": [
    {
      "Action": "cloudformation:*",
```

```
    "Effect": "Allow",
    "Principal": "*",
    "Resource": "*"
  },
  {
    "Action": "cloudformation:CreateResource",
    "Effect": "Deny",
    "Principal": "*",
    "Resource": "*"
  }
]
```

See also

- [Amazon services that integrate with Amazon PrivateLink](#)

Performing resource operations

Use Amazon Cloud Control API to do or other command verb construction create, read, update, remove, and list (-L) operations on resources in your Amazon Web Services account.

Contents

- [Prerequisites for using resources with Cloud Control API](#)
- [Specifying credentials for Cloud Control API](#)
- [Ensuring resource operation requests are unique when using Cloud Control API](#)
- [Considerations when using Cloud Control API](#)
- [Creating a resource](#)
- [Updating a resource](#)
- [Deleting a resource](#)
- [Discovering resources](#)
- [Reading a resource's current state](#)
- [Managing resource operation requests](#)
- [Identifying resources](#)

Prerequisites for using resources with Cloud Control API

To provision a specific resource using Cloud Control API, that resource type must support Cloud Control API and be available for use in your Amazon Web Services account.

- **Resources that support Cloud Control API**

For a list of Amazon resource types that support Cloud Control API, see [Resource types that support Cloud Control API](#).

Important

Cloud Control API doesn't support third-party resource types in the China (Beijing) Region or the China (Ningxia) Region.

For details about how to determine if a specific resource type supports Cloud Control API, see [Determining if a resource type supports Cloud Control API](#).

For information about using resource types, see [Using resource types](#).

Specifying credentials for Cloud Control API

As part of performing operations on Amazon resources on your behalf, Cloud Control API must make calls to the underlying Amazon services that actually provision those resources. To do so, Cloud Control API requires the necessary credentials to access those services. There are two ways for you to enable Cloud Control API to acquire those credentials:

- **User credentials**

By default, Cloud Control API creates a temporary session using your Amazon user credentials, and uses that to make any necessary calls to downstream Amazon services. This session lasts up to 24 hours, after which any remaining calls to Amazon by Cloud Control API will fail.

- **Service role credentials**

You can also specify a service role for Cloud Control API to assume during a resource operation, when you make the resource request. Among other advantages, specifying a service role enables Cloud Control API to make calls to underlying Amazon services for up to 36 hours.

To use a service role, specify the `RoleArn` parameter of the resource operation request.

Because the Cloud Control API actions are part of the Amazon CloudFormation service, the service role you specify is assumed by the CloudFormation service (`cloudformation.amazonaws.com`). For more information, see [Amazon CloudFormation service role](#) in the *Amazon CloudFormation User Guide*.

The permissions required for each resource handler are defined in the `handlers` section of that resource type's schema. For more information about viewing the resource schema, see [Viewing resource type schemas](#). The `handlers` section is defined in the [resource type definition schema](#).

Ensuring resource operation requests are unique when using Cloud Control API

As a best practice, we strongly recommend you specify an idempotency token with `create`, `delete`, and `update` resource operation requests. Preferably, specify a token that will be unique for every request, such as an universally unique identifier (UUID). Such a token ensures requests can be disambiguated in cases where a request must be retried.

The `create-resource`, `delete-resource`, and `update-resource` operations all take a `client-token` parameter, which can be set to an idempotency token.

Considerations when using Cloud Control API

We recommend that you take the following service behavior into account when performing resource operations using Cloud Control API:

- Cloud Control API performs each resource operation individually and independently of any other resource operations.
- A single resource operation request to Cloud Control API might actually consist of multiple calls to the underlying service that provisions the resource. Because of this, a resource request might fail when only partially completed, resulting in only some of the requested changes being applied to the resource.
- If a resource operation fails at any point, Cloud Control API doesn't roll back the resource to its previous state.
- You can only perform one resource operation at a time on a given resource using Cloud Control API. However, the resource can still be operated on directly, through the underlying service that provisioned it. We strongly recommend against this approach because it may lead to unpredictable behavior.

Creating a resource

Use the `create-resource` command to create a resource.

Composing the desired state of the resource

For Cloud Control API to create a resource, you must specify the *desired state* of the resource you want to create. The desired state consists of a listing of the resource properties you want to specify, and their desired values.

The properties of a resource are defined in its resource type schema. This includes whether the property is required, valid values, and other property constraints. For more information about viewing resource property definitions, see [Viewing resource type schemas](#).

The desired state you specify must be valid against the resource type schema.

As an example, suppose you wanted to create an [AWS::Logs::LogGroup](#) resource with a specific name and a retention policy of 90 days. As a first step, you must compose the desired state of the resource, formatted as JSON text.

```
{
  "LogGroupName": "CloudApiLogGroup",
  "RetentionInDays": 90
}
```

When you call the `create-resource` command, you can pass the desired state directly inline as a string, or, for more complicated desired state definitions, specify a file location.

The following Amazon Command Line Interface (Amazon CLI) command creates the resource and specifies in the `desired-state` parameter that the `RetentionInDays` property of the resource is set to 90, in addition to specifying the log group name.

```
$ aws cloudcontrol create-resource --type-name AWS::Logs::LogGroup \
  --desired-state '{"LogGroupName": "CloudApiLogGroup", "RetentionInDays":90}'
```

Tracking the progress of a create resource request

The `create-resource` command returns a `ProgressEvent` object that you can use to monitor the current status of your resource create request. For more information, see [Tracking the progress of resource operation requests](#).

Updating a resource

Use the `update-resource` command to make updates to an existing resource. This includes resources that weren't originally provisioned using Cloud Control API.

Important

We strongly advise against using Cloud Control API to update resources that are under active management by other services. Doing so can lead to unexpected results. For example, don't use Cloud Control API to update resources that are currently part of an Amazon CloudFormation stack.

To update an existing resource, you must specify the resource's identifier. For more information about determining a resource's identifier, see [Using a resource's primary identifier](#).

Updating a resource entails changing resource property values. The properties of a resource are defined in its resource type schema. This includes whether the property is required, valid values, and other property constraints. For more information about viewing resource property definitions, see [Viewing resource type schemas](#).

Composing the patch document

To update a resource, you first define the updates as a list of *patch operations* contained in a JSON patch document. This patch document must adhere to the standard defined in [RFC 6902 - JavaScript Object Notation \(JSON\) Patch](#).

Each patch operation defines a single update to a specific resource property. The following properties are required:

- `op`: The operation type. Cloud Control API supports all operations defined in RFC 6902: `add`, `remove`, `replace`, `move`, `copy`, and `test`.
- `path`: The path to the resource property, relative to the `properties` section of the resource schema.

Depending on the operation, additional properties may be required. Refer to RFC 6902 for specifics.

When using the `update-resource` command, you can specify the patch document inline as a string, or specify a file location.

The following example updates the retention policy of an [AWS::Logs::LogGroup](#) resource named `CloudControlApiLogGroup` to 90 days.

```
$ aws cloudcontrol update-resource --type-name AWS::Logs::LogGroup \  
  --identifier CloudControlApiLogGroup \  
  --patch-document ' [{"op":"test","path":"RetentionInDays","value":90}] '
```

How Cloud Control API updates resources

To update a resource, Cloud Control API first retrieves the current state of the resource and then updates the resource in a two-step process:

- Cloud Control API combines the patch operations specified in the update request with the current state of the resource, to generate the desired state of the resource after it's updated. Operations are applied sequentially in the order that they appear in the patch document. Each operation in the sequence is applied to the resource's current state; the resulting resource state becomes the target of the next operation.

At this point, the entire update request fails if:

- A patch operation included in the request is invalid.
- A patch operation of `op` type `test` fails.

In such cases, the entire update request fails and Cloud Control API makes no updates to the resource.

- Cloud Control API then calls the update handler of the resource type to update the resource.

If the update handler fails at any point, *Cloud Control API does not roll back the resource to its previous state.*

For example, consider the following patch document that is defined to update an [AWS::Logs::LogGroup](#) resource. The document contains two patch operations. The first operation is of type `test` and checks to see if the resource's retention policy is set to 3653 days. If that is the case, the resource passes the test and Cloud Control API proceeds to the next operation. This operation replaces the current retention policy value with 180 days. If the resource's retention

policy is set to a value of other than 3653 days, the first test operation fails and Cloud Control API never runs the second replace operation.

```
[
  {
    "op": "test",
    "path": "/RetentionInDays",
    "value":3653
  },
  {
    "op": "replace",
    "path": "/RetentionInDays",
    "value":180
  }
]
```

Tracking the progress of an update resource request

The `update-resource` command returns a `ProgressEvent` object that you can use to track the current status of your resource operation request. For more information, see [Tracking the progress of resource operation requests](#).

Deleting a resource

Use the `delete-resource` command to delete an existing resource. You can delete the resource whether or not the resource was originally provisioned using Cloud Control API.

Important

We strongly advise against using Cloud Control API to delete resources that are under active management by other services. Doing so can lead to unexpected results. For example, don't use Cloud Control API to delete resources that are currently part of an Amazon CloudFormation stack.

To update an existing resource, you must specify the resource's identifier. For more information about finding a resource's identifier, see [Using a resource's primary identifier](#).

The follow example deletes an [AWS::Logs::LogGroup](#) resource with the name of `CloudControlApiLogGroup`.

```
$ aws cloudcontrol delete-resource \  
  --type-name AWS::Logs::LogGroup --identifier CloudControlApiLogGroup
```

Tracking the progress of a delete resource request

The `delete-resource` command returns a `ProgressEvent` object that you can use to track the current status of your resource operation request. For more information, see [Tracking the progress of resource operation requests](#).

Discovering resources

Use the `list-resources` command to discover the resources currently provisioned in your Amazon Web Services account and Amazon Web Services Region. This includes all resources of the specified resource type, regardless of whether they were provisioned through Cloud Control API, directly through the underlying service, or other mechanism (such as being part of an Amazon CloudFormation stack).

The information returned for each resource includes:

- The resource's primary identifier.
- Optionally, it may include the *part or all* resource's properties, detailing the current state of the resource. For more information, see [Viewing resource type schemas](#).

The follow example returns a list of `AWS::Logs::LogGroup` resources.

```
$ aws cloudcontrol list-resources --type-name AWS::Logs::LogGroup
```

Cloud Control API returns a list of the resources in your account of the specified resource type. For the example, `list-resources` returns the primary identifier and resource properties of all `AWS::Logs::LogGroup` resources in your account, regardless of whether they were provisioned by Cloud Control API. The returned information resembles the following, depending on the resources in your account.

```
{  
  "TypeName": "AWS::Logs::LogGroup",  
  "ResourceDescriptions":  
  [  

```

```
{
  "Identifier": "CloudControlExample",
  "Properties": '{"RetentionInDays":180, "LogGroupName": "CloudControlExample",
"Arn": "arn:aws-cn:logs:us-west-2:123456789012:log-group:CloudControlExample:*"}'
},
{
  "Identifier": "AnotherLogGroupResourceExample",
  "Properties": '{"RetentionInDays":90, "LogGroupName":
"AnotherLogGroupResourceExample", "Arn": "arn:aws-cn:logs:us-west-2:123456789012:log-
group:AnotherLogGroupResourceExample:*"}'
}
]
```

The follow example requests a list of `AWS::Kinesis::Stream` resources.

```
$ aws cloudcontrol list-resources --type-name AWS::Kinesis::Stream
```

For Kinesis streams, Cloud Control API returns the primary identifier of each stream, along with a *subset* of the resource properties. In this case, just a single property, `Name`. You could then use a stream's primary identifier with `get-resource` to request the resource's full current state.

```
{
  "TypeName": "AWS::Kinesis::Stream",
  "ResourceDescriptions": [
    {
      "Identifier": "MyKinesisStream",
      "Properties": '{"Name": "MyKinesisStream"}'
    },
    {
      "Identifier": "AnotherStream",
      "Properties": '{"Name": "AnotherStream"}'
    }
  ]
}
```

Resources that require additional information

Certain resources require that you provide additional information about the resources that you want to list as part of your request. In these cases, you must use the `ResourceModel` parameter to specify these properties.

The table below lists these resources, and the properties you to specify in the `ResourceModel` parameter during list requests.

Resources	Required properties
<code>AWS::ApiGateway::DocumentationVersion</code>	<code>RestApiId</code>
<code>AWS::ApiGateway::Step</code>	<code>RestApiId</code>
<code>AWS::CloudFormation::ResourceVersion</code>	<code>TypeArn</code> or <code>TypeName</code>
<code>AWS::CustomerProfiles::Integration</code>	<code>DomainName</code>
<code>AWS::CustomerProfiles::ObjectType</code>	<code>DomainName</code>
<code>AWS::EC2::TransitGatewayMulticastGroupMember</code>	<code>TransitGatewayMulticastDomainId</code>
<code>AWS::EC2::TransitGatewayMulticastGroupSource</code>	<code>TransitGatewayMulticastDomainId</code>
<code>AWS::ECS::TaskSet</code>	<code>Cluster</code> , <code>Service</code> , and <code>ID</code>
<code>AWS::EKS::AddOn</code>	<code>ClusterName</code>
<code>AWS::EKS::FargateProfile</code>	<code>ClusterName</code>
<code>AWS::ElasticLoadBalancingV2::Listener</code>	<code>LoadBalancerArn</code>
<code>AWS::ElasticLoadBalancingV2::ListenerRule</code>	<code>ListenerArn</code>
<code>AWS::Glue::Attach::SchemaVersion</code>	<ul style="list-style-type: none"> <code>SchemaDefinition</code> , <code>Schema/RegistryName</code> , and <code>Schema/SchemaName</code>

Resources	Required properties
	<ul style="list-style-type: none"> SchemaDefinition and Schema/SchemaArn
<u>AWS::Glue::Attach::SchemaVersionMetadata</u>	SchemaVersionId
<u>AWS::IoTSiteWise::AccessPolicy</u>	<ul style="list-style-type: none"> /AccessPolicyResource /Portal /AccessPolicyResource /Project
<u>AWS::IoTSiteWise::Dashboard</u>	ProjectId
<u>AWS::IoTSiteWise::Project</u>	PortalId
<u>AWS::Kendra::DataSource</u>	IndexId
<u>AWS::Kendra::FAQ</u>	IndexId
<u>AWS::MediaConnect::FlowEntitlement</u>	FlowArn
<u>AWS::MediaConnect::FlowOutput</u>	FlowArn
<u>AWS::MediaConnect::FlowSource</u>	FlowArn
<u>AWS::MediaConnect::FlowVpcInterface</u>	FlowArn
<u>AWS::MediaPackage::Asset</u>	PackagingGroupId
<u>AWS::MediaPackage::PackagingConfiguration</u>	PackagingGroupId
<u>AWS::NetworkFirewall::LoggingConfiguration</u>	<ul style="list-style-type: none"> FirewallArn FirewallName
<u>AWS::QuickSight::Analysis</u>	AwsAccountId
<u>AWS::QuickSight::Dashboard</u>	AwsAccountId

Resources	Required properties
AWS::QuickSight::DataSet	AwsAccountId
AWS::QuickSight::DataSource	AwsAccountId
AWS::QuickSight::Template	AwsAccountId
AWS::QuickSight::Theme	AwsAccountId
AWS::RDS::DBProxyTargetGroup	DBProxyName
AWS::S3Outposts::AccessPoint	Bucket
AWS::S3Outposts::Bucket	OutpostId
AWS::SSO::Assignment	InstanceArn , PermissionSetArn , PrincipalId , PrincipalType , TargetId, and TargetType
AWS::SSO::InstanceAccessControlAttributeConfiguration	InstanceArn
AWS::SSO::PermissionSet	InstanceArn and PermissionSetArn
AWS::WAFv2::WebACL	Scope

Reading a resource's current state

Using a resource's primary identifier, you can call the `get-resource` command to retrieve detailed information about the resource. For information about retrieving a resource's primary identifier, see [Identifying resources](#).

The information returned by `get-resource` includes the resource's schema, which details the current state of the resource, including property values, supported events, and necessary permissions. For more information, see [Viewing resource type schemas](#).

The following example returns the current state of an `AWS::Logs::LogGroup` resource named `LogGroupResourceExample`. For `AWS::Logs::LogGroup` resources, the name of a log group is its primary identifier.

```
$ aws cloudcontrol get-resource --type-name AWS::Logs::LogGroup --identifier
LogGroupResourceExample
```

Managing resource operation requests

Because resource operations are asynchronous, resource requests such as `create-resource` and `update-resource` return a `ProgressEvent` object that contains information about the current state of your resource create or update request.

For example, a resource create request might initially return the following `ProgressEvent` object.

```
{
  "ProgressEvent": {
    "EventTime": "2021-08-09T18:17:15.219Z",
    "TypeName": "AWS::Logs::LogGroup",
    "OperationStatus": "IN_PROGRESS",
    "Operation": "CREATE",
    "Identifier": "LogGroupResourceExample",
    "RequestToken": "5f40c577-3534-4b20-9599-0b0123456789"
  }
}
```

The information returned in the `ProgressEvent` object includes a request token that you can then use to track or cancel a resource operation request.

Note

Resource operation requests expire after seven days.

Listing active resource operation requests

Use the `list-resource-requests` command to return a list of active resource operation requests for an Amazon Web Services account and Amazon Web Services Region. You can filter the list by request type and status.

Resource operation requests expire after seven days.

The following example returns active resource operation requests, but it filters out any resource create requests that are still in progress.

```
$ aws cloudcontrol list-resource-requests --resource-request-status-filter \
    Operations=CREATE,OperationStatuses=IN_PROGRESS
```

The information returned for each resource operation includes a request token that you can then use to track or cancel a resource operation request.

```
{
  "ResourceRequestStatusSummaries": [
    {
      "EventTime": "2021-08-09T18:17:16.591Z",
      "TypeName": "AWS::Logs::LogGroup",
      "OperationStatus": "SUCCESS",
      "Operation": "CREATE",
      "Identifier": "LogGroupResourceExample",
      "RequestToken": "5f40c577-3534-4b20-9599-0b0123456789"
    }
  ]
}
```

Tracking the progress of resource operation requests

Use the `get-resource-request-status` command to track the progress of your resource operation request. This command takes the request token included in the `ProgressEvent` object generated during the initial resource operation request. (You can also retrieve the request token for a resource operation request using the `list-resource-requests` command.) The `get-resource-request-status` command returns an updated `ProgressEvent` object containing information on the current state of the request.

See the following example.

```
$ aws cloudcontrol get-resource-request-status \
    --request-token 5f40c577-3534-4b20-9599-0b0123456789
```

Canceling resource operation requests

Use the `cancel-resource-request` command to cancel a resource operation request that is currently in progress. Because you can only perform a single operation on a given resource at a time, there might be cases where you need to cancel the current resource operation to make the resource available so that another operation may be performed on it.

Canceling a resource request does not guarantee that Cloud Control API can immediately cancel all resource operations. Rather, Cloud Control API will stop making further calls to the resource event handler. A single resource operation request to Cloud Control API might actually consist of multiple calls to the underlying service that provisions the resource. Because of this, canceling a resource operation request might leave the request partially completed, resulting in only some of the requested changes being applied to the resource. Cloud Control API doesn't roll back the resource to its previous state.

Only resource operations requests with a status of `PENDING` or `IN_PROGRESS` can be canceled.

Note

Although calling `CancelResourceRequest` cancels operations performed by Cloud Control API, it doesn't terminate any asynchronous operations that may have already started on downstream services.

Identifying resources

Every resource type has a property that is defined as its *primary identifier*. The value of this property must be unique for each resource of that type in a given Amazon Web Services account and Amazon Web Services Region. For example, many resource types include a `Name` property that must be unique for each resource of that type. In some cases, the primary identifier is defined as a combination of multiple properties that together form a unique identifier. By using this primary identifier, combined with the resource type, you can specify exactly which resource on which you want to perform resource operations such as `update-resource` or `delete-resource`.

In addition, some resource types define *secondary identifiers* that can also be used to uniquely identify resources of that type.

To determine which resource property (or combination of properties) is the primary identifier for a resource type, refer to the `primaryIdentifier` attribute of the resource type schema. The

schema includes secondary identifiers defined, as well. For more information, see [Viewing resource type schemas](#).

Getting a resource's primary identifier

You can find the identifier *value* for a specific resource by using Cloud Control API commands. Each of the following commands returns a `ProgressEvent` object that contains the primary identifier of the specified resources:

- `cancel-resource-request`
- `create-resource`
- `get-resource-request-status`
- `list-resource-requests`

Using a resource's primary identifier

When using Cloud Control API commands, you can specify the primary identifier or any secondary identifier defined for the resource type in its resource schema. You can only specify one identifier. Primary identifiers can be specified as a string or JSON; secondary identifiers must be specified as JSON.

For compound primary identifiers (that is, one that consists of multiple resource properties strung together), to specify the primary identifier as a string, list the property values *in the order that they are specified* in the primary identifier definition, separated by `|`.

For example, the primary identifier for the resource is defined as:

```
"primaryIdentifier": [ "/properties/DatabaseName", "/properties/
TableName" ]
```

So, to specify the primary identifier of a resource as a string, you use the following format.

`DatabaseName|TableName`

For example, given a database with a database name of `MyDatabase` and table name of `MyTable`, you specify `MyDatabase|MyTable`.

For compound identifiers specified as JSON, property order is not required, as shown in the following example.

```
{
  "TableName": "MyTable",
  "DatabaseName": "MyDatabase"
}
```

For more information about resource identifiers, see [primaryidentifier](#) in the *CloudFormation Command Line Interface User Move for Extension Development*.

Using resource types

Important

Cloud Control API doesn't support third-party resource types in the China (Beijing) Region or the China (Ningxia) Region..

The *extension registry* is a feature of Amazon CloudFormation that contains detailed information about the resource types available for use in your account. Using the registry, you can manage the resource types in your account, including:

- View the available resource types.
- Set account-level configuration properties of a resource type, if it has any.

You can also use the Amazon CloudFormation registry to view a resource type's schema, which contains important information about how to use the resource with Cloud Control API, such as property definitions and permission requirements. For more information, see [Viewing resource type schemas](#).

The registry is available through the CloudFormation console, in addition to the CloudFormation API.

Note

Not all resource types listed in the CloudFormation registry currently support Cloud Control API. For more information, see [Determining if a resource type supports Cloud Control API](#).

For more information about resource type management options, see [Using the CloudFormation registry](#) in the *Amazon CloudFormation User Guide*.

Managing resource types using the Amazon CloudFormation API

In addition to accessing the extension registry through the Amazon CloudFormation console, you can use operations included in the Amazon CloudFormation API to identify and manage the resource types in your account. The table below lists the API operations that you can use to discover and configure the resource types available in your account.

CloudFormation API operation	Amazon CLI command	Description
DescribeType	describe-type	Returns detailed information about a resource type.
ListTypes	list-types	Returns summary information about a resource type.

Determining if a resource type supports Cloud Control API

By default, Amazon resource types published in the registry automatically support Cloud Control API resource operations. However, the Amazon CloudFormation registry also contains legacy resource types, classified as *non-provisionable*. These resource types don't currently support Cloud Control API, and you can't use them in resource operations.

Important

Cloud Control API doesn't support third-party resource types in the China (Beijing) Region or the China (Ningxia) Region..

For a list of the Amazon public resource types that currently support Cloud Control API resource operations, see [Resource types that support Cloud Control API](#).

You can also use the Amazon Command Line Interface (Amazon CLI) to generate a list of supported resource types or to determine if a specific resource type supports Cloud Control API.

Generating a list of supported resources using the Amazon CLI

- Use the `list-types` command, with the following parameters:
 - `type` – Specify `RESOURCE` to select only resource types.
 - `visibility` – Specify `PUBLIC` to select public resources.
 - `provisioning-type` – Specify `FULLY_MUTABLE` or `IMMUTABLE` to select only those resource types that are provisionable.

For example, the following command selects the first 100 public resource types that are fully mutable from the CloudFormation registry.

```
$ aws cloudformation list-types \  
    --type RESOURCE --visibility PUBLIC \  
    --provisioning-type FULLY_MUTABLE --max-results 100
```

Determining if a specific resource type supports Cloud Control API using the Amazon CLI

- Use the `describe-type` command to return details of the resource type.

Resource types with a `ProvisioningType` of either `FULLY_MUTABLE` or `IMMUTABLE` support Cloud Control API resource operations.

The following example returns details of the `AWS::Logs::LogGroup` resource type.

```
$ aws cloudformation describe-type \  
    --type RESOURCE --type-name AWS::Logs::LogGroup
```

Viewing resource type schemas

During resource create and update operations, you specify which resource properties to set and their values. The properties of a resource are defined in its *resource type schema*. This includes data type, whether the property is required, valid values, and other property constraints.

You can view a resource type's schema using the CloudFormation console or the Amazon CLI. In addition, the *Amazon CloudFormation User Guide* contains reference topics for each available resource type that Amazon publishes. For detailed information about resource type properties, in

addition to usage examples, see the corresponding topics in the [Amazon resource and property types reference](#) section.

Note

Not all resource types listed in the *Amazon CloudFormation User Guide* are available for use with Cloud Control API. To determine if a resource type is available, see [Resource types that support Cloud Control API](#).

For detailed information about the resource type definition schema, which defines how resource type schema can be authored, see [Resource type definition schema](#) in the *CloudFormation CLI User Guide for Extension Development*.

For information about how to view an existing resource's current state, which includes its current property values, see [Reading a resource's current state](#).

Viewing a resource type schema using the Amazon CloudFormation console

1. Sign in to the Amazon Web Services Management Console and open the Amazon CloudFormation console at <https://console.amazonaws.cn/cloudformation>.
2. In the **CloudFormation** navigation pane, under **Registry**, select **Activated extensions**.
3. On the **Resource types** tab, select the resource type that you want to view the resource schema of.

CloudFormation displays the resource type details page. The resource schema is displayed on the **Schema** tab.

Viewing a resource type schema using the Amazon CLI

- Run [describe-type](#).

In the returned output, the Schema structure contains the resource type schema.

For example, the following command returns information about the `AWS::Logs::LogGroup` resource type.

```
$ aws cloudformation describe-type \  
    --type RESOURCE --type-name AWS::Logs::LogGroup
```

Viewing resource property attributes

Resource type properties are defined in the `properties` section of the resource type schema. This includes the property data type, whether the property is required, and any constraints such as allowable values or required patterns.

In addition, certain attributes set at the resource level govern when or if a property can be specified. This includes:

- Properties defined as `required` must be specified in the desired state during resource creation.
- Properties defined as `createOnlyProperties` can be set by users, but only during resource creation.
- Properties defined as `readOnlyProperties` can't be set by users.
- Properties defined as `writeOnlyProperties` can be specified by users when creating or updating a resource but can't be returned during a read or list request.

Viewing supported resource operations

You can determine which operations a resource type supports by referring to the `handlers` section of its resource type schema. If the resource type supports an operation, it's listed in the `handlers` section, and it contains a `permissions` element that lists the permissions that the handler requires.

For example, below is the `handlers` section of the resource type schema for the `AWS::Logs::LogGroup` resource type. This section shows that this resource type supports all five resource operations, and lists the permissions that each handler requires.

```
"handlers": {
  "create": {
    "permissions": [
      "logs:DescribeLogGroups",
      "logs:CreateLogGroup",
      "logs:PutRetentionPolicy"
    ]
  },
  "read": {
    "permissions": [
      "logs:DescribeLogGroups"
    ]
  }
}
```

```
  },
  "update": {
    "permissions": [
      "logs:DescribeLogGroups",
      "logs:AssociateKmsKey",
      "logs:DisassociateKmsKey",
      "logs:PutRetentionPolicy",
      "logs>DeleteRetentionPolicy"
    ]
  },
  "delete": {
    "permissions": [
      "logs:DescribeLogGroups",
      "logs>DeleteLogGroup"
    ]
  },
  "list": {
    "permissions": [
      "logs:DescribeLogGroups"
    ]
  }
}
```

Resource types that support Cloud Control API

The following table lists the public resource types published by Amazon that currently support Amazon Cloud Control API, organized by service. Each resource type name links to the corresponding reference topic for that resource type in the [Resource and property types reference](#) section of the *Amazon CloudFormation User Guide*.

Important

Cloud Control API doesn't support third-party resource types in the China (Beijing) Region or the China (Ningxia) Region.

For information about how to determine if a specific resource type supports Cloud Control API, see [Determining if a resource type supports Cloud Control API](#). For more information about using resource types, see [Using resource types](#).

Table last updated: July 22, 2024

Resource	Create	Read	Update	Delete	List
AWS::AccessAnalyzer::Analyzer	Create	Read	Update	Delete	List
AWS::ACMPCA::Certificate	Create	Read		Delete	
AWS::ACMPCA::CertificateAuthority	Create	Read	Update	Delete	List
AWS::ACMPCA::CertificateAuthorityActivation	Create	Read	Update	Delete	
AWS::ACMPCA::Permission	Create	Read		Delete	
AWS::Amplify::App	Create	Read	Update	Delete	List
AWS::Amplify::Branch	Create	Read	Update	Delete	List
AWS::Amplify::Domain	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::AmplifyUIBuilder::Component</u>	Create	Read	Update	Delete	List
<u>AWS::AmplifyUIBuilder::Form</u>	Create	Read	Update	Delete	List
<u>AWS::AmplifyUIBuilder::Theme</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::Account</u>	Create	Read	Update	Delete	
<u>AWS::ApiGateway::ApiKey</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::Authorizer</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::BasePathMapping</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::ClientCertificate</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::Deployment</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::DocumentationPart</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::DocumentationVersion</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::DomainName</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::GatewayResponse</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::Method</u>	Create	Read	Update	Delete	
<u>AWS::ApiGateway::Model</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::RequestValidator</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::Resource</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::RestApi</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::Stage</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::UsagePlan</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGateway::UsagePlanKey</u>	Create	Read		Delete	List
<u>AWS::ApiGateway::VpcLink</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::Api</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::ApiMapping</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::Authorizer</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::Deployment</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::DomainName</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::IntegrationResponse</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::Model</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::Route</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::RouteResponse</u>	Create	Read	Update	Delete	List
<u>AWS::ApiGatewayV2::VpcLink</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::AppConfig::Application</u>	Create	Read	Update	Delete	List
<u>AWS::AppConfig::ConfigurationProfile</u>	Create	Read	Update	Delete	List
<u>AWS::AppConfig::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::AppConfig::Extension</u>	Create	Read	Update	Delete	List
<u>AWS::AppConfig::ExtensionAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::AppConfig::HostedConfigurationVersion</u>	Create	Read		Delete	List
<u>AWS::AppFlow::Connector</u>	Create	Read	Update	Delete	List
<u>AWS::AppFlow::ConnectorProfile</u>	Create	Read	Update	Delete	List
<u>AWS::AppFlow::Flow</u>	Create	Read	Update	Delete	List
<u>AWS::AppIntegrations::Application</u>	Create	Read	Update	Delete	List
<u>AWS::AppIntegrations::DataIntegration</u>	Create	Read	Update	Delete	List
<u>AWS::AppIntegrations::EventIntegration</u>	Create	Read	Update	Delete	List
<u>AWS::ApplicationAutoScaling::ScalableTarget</u>	Create	Read	Update	Delete	List
<u>AWS::ApplicationAutoScaling::ScalingPolicy</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::ApplicationInsights::Application	Create	Read	Update	Delete	List
AWS::ApplicationSignals::ServiceLevelObjective	Create	Read	Update	Delete	List
AWS::AppRunner::AutoScalingConfiguration	Create	Read		Delete	List
AWS::AppRunner::ObservabilityConfiguration	Create	Read		Delete	List
AWS::AppRunner::Service	Create	Read	Update	Delete	List
AWS::AppRunner::VpcConnector	Create	Read		Delete	List
AWS::AppRunner::VpcIngressConnection	Create	Read	Update	Delete	List
AWS::AppStream::AppBlock	Create	Read		Delete	
AWS::AppStream::AppBlockBuilder	Create	Read	Update	Delete	List
AWS::AppStream::Application	Create	Read	Update	Delete	
AWS::AppStream::ApplicationEntitlementAssociation	Create	Read		Delete	
AWS::AppStream::ApplicationFleetAssociation	Create	Read		Delete	
AWS::AppStream::DirectoryConfig	Create	Read	Update	Delete	List
AWS::AppStream::Entitlement	Create	Read	Update	Delete	
AWS::AppStream::ImageBuilder	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::AppSync::DomainName</u>	Create	Read	Update	Delete	List
<u>AWS::AppSync::DomainNameApiAssociation</u>	Create	Read	Update	Delete	
<u>AWS::AppSync::FunctionConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::AppSync::Resolver</u>	Create	Read	Update	Delete	List
<u>AWS::AppSync::SourceApiAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::AppTest::TestCase</u>	Create	Read	Update	Delete	List
<u>AWS::APS::RuleGroupsNamespace</u>	Create	Read	Update	Delete	List
<u>AWS::APS::Scraper</u>	Create	Read	Update	Delete	List
<u>AWS::APS::Workspace</u>	Create	Read	Update	Delete	List
<u>AWS::ARCZonalShift::ZonalAutoshiftConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::Athena::CapacityReservation</u>	Create	Read	Update	Delete	List
<u>AWS::Athena::DataCatalog</u>	Create	Read	Update	Delete	List
<u>AWS::Athena::NamedQuery</u>	Create	Read		Delete	List
<u>AWS::Athena::PreparedStatement</u>	Create	Read	Update	Delete	List
<u>AWS::Athena::WorkGroup</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::AuditManager::Assessment</u>	Create	Read	Update	Delete	List
<u>AWS::AutoScaling::AutoScalingGroup</u>	Create	Read	Update	Delete	List
<u>AWS::AutoScaling::LaunchConfiguration</u>	Create	Read		Delete	List
<u>AWS::AutoScaling::LifecycleHook</u>	Create	Read	Update	Delete	List
<u>AWS::AutoScaling::ScalingPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::AutoScaling::ScheduledAction</u>	Create	Read	Update	Delete	List
<u>AWS::AutoScaling::WarmPool</u>	Create	Read	Update	Delete	
<u>AWS::B2BI::Capability</u>	Create	Read	Update	Delete	List
<u>AWS::B2BI::Partnership</u>	Create	Read	Update	Delete	List
<u>AWS::B2BI::Profile</u>	Create	Read	Update	Delete	List
<u>AWS::B2BI::Transformer</u>	Create	Read	Update	Delete	List
<u>AWS::Backup::BackupPlan</u>	Create	Read	Update	Delete	List
<u>AWS::Backup::BackupSelection</u>	Create	Read		Delete	List
<u>AWS::Backup::BackupVault</u>	Create	Read	Update	Delete	List
<u>AWS::Backup::Framework</u>	Create	Read	Update	Delete	List
<u>AWS::Backup::ReportPlan</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Backup::RestoreTestingPlan</u>	Create	Read	Update	Delete	List
<u>AWS::Backup::RestoreTestingSelection</u>	Create	Read	Update	Delete	List
<u>AWS::BackupGateway::Hypervisor</u>	Create	Read	Update	Delete	List
<u>AWS::Batch::ComputeEnvironment</u>	Create	Read	Update	Delete	List
<u>AWS::Batch::JobQueue</u>	Create	Read	Update	Delete	List
<u>AWS::Batch::SchedulingPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::BCMDataExports::Export</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::Agent</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::AgentAlias</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::DataSource</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::Flow</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::FlowAlias</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::FlowVersion</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::Guardrail</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::GuardrailVersion</u>	Create	Read		Delete	
<u>AWS::Bedrock::KnowledgeBase</u>	Create	Read	Update	Delete	List
<u>AWS::Bedrock::Prompt</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Bedrock::PromptVersion</u>	Create	Read	Update	Delete	List
<u>AWS::BillingConductor::BillingGroup</u>	Create	Read	Update	Delete	List
<u>AWS::BillingConductor::CustomLineItem</u>	Create	Read	Update	Delete	List
<u>AWS::BillingConductor::PricingPlan</u>	Create	Read	Update	Delete	List
<u>AWS::BillingConductor::PricingRule</u>	Create	Read	Update	Delete	List
<u>AWS::Budgets::BudgetsAction</u>	Create	Read	Update	Delete	List
<u>AWS::Cassandra::Keyspace</u>	Create	Read	Update	Delete	List
<u>AWS::Cassandra::Table</u>	Create	Read	Update	Delete	List
<u>AWS::CE::AnomalyMonitor</u>	Create	Read	Update	Delete	List
<u>AWS::CE::AnomalySubscription</u>	Create	Read	Update	Delete	List
<u>AWS::CE::CostCategory</u>	Create	Read	Update	Delete	List
<u>AWS::CertificateManager::Account</u>	Create	Read	Update	Delete	
<u>AWS::Chatbot::MicrosoftTeamsChannelConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::Chatbot::SlackChannelConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::CleanRooms::AnalysisTemplate</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::CleanRooms::Collaboration</u>	Create	Read	Update	Delete	List
<u>AWS::CleanRooms::ConfiguredTable</u>	Create	Read	Update	Delete	List
<u>AWS::CleanRooms::ConfiguredTableAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::CleanRooms::Membership</u>	Create	Read	Update	Delete	List
<u>AWS::CleanRooms::PrivacyBudgetTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::CleanRoomsML::TrainingDataset</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::HookDefaultVersion</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::HookTypeConfig</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::HookVersion</u>	Create	Read		Delete	List
<u>AWS::CloudFormation::ModuleDefaultVersion</u>	Create	Read		Delete	List
<u>AWS::CloudFormation::ModuleVersion</u>	Create	Read		Delete	
<u>AWS::CloudFormation::PublicTypeVersion</u>	Create	Read		Delete	List
<u>AWS::CloudFormation::Publisher</u>	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::ResourceDefaultVersion</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::ResourceVersion</u>	Create	Read		Delete	List
<u>AWS::CloudFormation::Stack</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::StackSet</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFormation::TypeActivation</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::CachePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::CloudFrontOriginAccessIdentity</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::ContinuousDeploymentPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::Distribution</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::Function</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::KeyGroup</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::KeyValueStore</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::MonitoringSubscription</u>	Create	Read		Delete	
<u>AWS::CloudFront::OriginAccessControl</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::CloudFront::OriginRequestPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::PublicKey</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::RealtimeLogConfig</u>	Create	Read	Update	Delete	List
<u>AWS::CloudFront::ResponseHeadersPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::CloudTrail::Channel</u>	Create	Read	Update	Delete	List
<u>AWS::CloudTrail::EventDataStore</u>	Create	Read	Update	Delete	List
<u>AWS::CloudTrail::ResourcePolicy</u>	Create	Read	Update	Delete	
<u>AWS::CloudTrail::Trail</u>	Create	Read	Update	Delete	List
<u>AWS::CloudWatch::Alarm</u>	Create	Read	Update	Delete	List
<u>AWS::CloudWatch::CompositeAlarm</u>	Create	Read	Update	Delete	List
<u>AWS::CloudWatch::Dashboard</u>	Create	Read	Update	Delete	List
<u>AWS::CloudWatch::MetricStream</u>	Create	Read	Update	Delete	List
<u>AWS::CodeArtifact::Domain</u>	Create	Read	Update	Delete	List
<u>AWS::CodeArtifact::PackageGroup</u>	Create	Read	Update	Delete	List
<u>AWS::CodeArtifact::Repository</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::CodeBuild::Fleet</u>	Create	Read	Update	Delete	List
<u>AWS::CodeConnections::Connection</u>	Create	Read	Update	Delete	List
<u>AWS::CodeDeploy::Application</u>	Create	Read	Update	Delete	List
<u>AWS::CodeDeploy::DeploymentConfig</u>	Create	Read		Delete	List
<u>AWS::CodeGuruProfiler::ProfilingGroup</u>	Create	Read	Update	Delete	List
<u>AWS::CodeGuruReviewer::RepositoryAssociation</u>	Create	Read		Delete	List
<u>AWS::CodePipeline::CustomActionType</u>	Create	Read	Update	Delete	List
<u>AWS::CodePipeline::Pipeline</u>	Create	Read	Update	Delete	List
<u>AWS::CodeStarConnections::Connection</u>	Create	Read	Update	Delete	List
<u>AWS::CodeStarConnections::RepositoryLink</u>	Create	Read	Update	Delete	List
<u>AWS::CodeStarConnections::SyncConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::CodeStarNotifications::NotificationRule</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::IdentityPool</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::IdentityPoolPrincipalTag</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Cognito::IdentityPoolRoleAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::LogDeliveryConfiguration</u>	Create	Read	Update	Delete	
<u>AWS::Cognito::UserPool</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::UserPoolClient</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::UserPoolGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::UserPoolResourceServer</u>	Create	Read	Update	Delete	List
<u>AWS::Cognito::UserPoolRiskConfigurationAttachment</u>	Create	Read	Update	Delete	
<u>AWS::Cognito::UserPoolUITCustomizationAttachment</u>	Create	Read	Update	Delete	
<u>AWS::Cognito::UserPoolUser</u>	Create	Read		Delete	List
<u>AWS::Cognito::UserPoolUserToGroupAttachment</u>	Create	Read		Delete	
<u>AWS::Comprehend::DocumentClassifier</u>	Create	Read	Update	Delete	List
<u>AWS::Comprehend::Flywheel</u>	Create	Read	Update	Delete	List
<u>AWS::Config::AggregationAuthorization</u>	Create	Read	Update	Delete	List
<u>AWS::Config::ConfigRule</u>	Create	Read	Update	Delete	List
<u>AWS::Config::ConfigurationAggregator</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Config::ConformancePack</u>	Create	Read	Update	Delete	List
<u>AWS::Config::OrganizationConformancePack</u>	Create	Read	Update	Delete	List
<u>AWS::Config::StoredQuery</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::ApprovedOrigin</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::ContactFlow</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::ContactFlowModule</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::EvaluationForm</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::HoursOfOperation</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::Instance</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::InstanceStorageConfig</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::IntegrationAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::PhoneNumber</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::PredefinedAttribute</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::Prompt</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::Queue</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::QuickConnect</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::RoutingProfile</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Connect::Rule</u>	Create	Read	Update	Delete	
<u>AWS::Connect::SecurityKey</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::SecurityProfile</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::TaskTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::TrafficDistributionGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::User</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::UserHierarchyGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::View</u>	Create	Read	Update	Delete	List
<u>AWS::Connect::ViewVersion</u>	Create	Read	Update	Delete	List
<u>AWS::ConnectCampaigns::Campaign</u>	Create	Read	Update	Delete	List
<u>AWS::ControlTower::EnabledBaseline</u>	Create	Read	Update	Delete	List
<u>AWS::ControlTower::EnabledControl</u>	Create	Read	Update	Delete	List
<u>AWS::ControlTower::LandingZone</u>	Create	Read	Update	Delete	List
<u>AWS::CUR::ReportDefinition</u>	Create	Read	Update	Delete	List
<u>AWS::CustomerProfiles::CalculatedAttributeDefinition</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::CustomerProfiles::Domain</u>	Create	Read	Update	Delete	List
<u>AWS::CustomerProfiles::EventStream</u>	Create	Read	Update	Delete	List
<u>AWS::CustomerProfiles::Integration</u>	Create	Read	Update	Delete	List
<u>AWS::CustomerProfiles::ObjectType</u>	Create	Read	Update	Delete	List
<u>AWS::DataBrew::Dataset</u>	Create	Read	Update	Delete	List
<u>AWS::DataBrew::Job</u>	Create	Read	Update	Delete	List
<u>AWS::DataBrew::Project</u>	Create	Read	Update	Delete	List
<u>AWS::DataBrew::Recipe</u>	Create	Read	Update	Delete	List
<u>AWS::DataBrew::Ruleset</u>	Create	Read	Update	Delete	List
<u>AWS::DataBrew::Schedule</u>	Create	Read	Update	Delete	List
<u>AWS::DataPipeline::Pipeline</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::Agent</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationAzureBlob</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationEFS</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationFSx Lustre</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationFSx ONTAP</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationFSxOpenZFS</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationFSxWindows</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationHDFS</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationNFS</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationObjectStorage</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationS3</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::LocationSMB</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::StorageSystem</u>	Create	Read	Update	Delete	List
<u>AWS::DataSync::Task</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::DataSource</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::Domain</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::EnvironmentBlueprintConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::EnvironmentProfile</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::GroupProfile</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::Project</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::ProjectMembership</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::DataZone::SubscriptionTarget</u>	Create	Read	Update	Delete	List
<u>AWS::DataZone::UserProfile</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::Farm</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::Fleet</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::LicenseEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::MeteredProduct</u>	Create	Read		Delete	List
<u>AWS::Deadline::Monitor</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::Queue</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::QueueEnvironment</u>	Create	Read	Update	Delete	List
<u>AWS::Deadline::QueueFleetAssociation</u>	Create	Read		Delete	List
<u>AWS::Deadline::StorageProfile</u>	Create	Read	Update	Delete	List
<u>AWS::Detective::Graph</u>	Create	Read	Update	Delete	List
<u>AWS::Detective::MemberInvitation</u>	Create	Read	Update	Delete	List
<u>AWS::Detective::OrganizationAdmin</u>	Create	Read	Update	Delete	List
<u>AWS::DeviceFarm::DevicePool</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::DeviceFarm::InstanceProfile</u>	Create	Read	Update	Delete	List
<u>AWS::DeviceFarm::NetworkProfile</u>	Create	Read	Update	Delete	List
<u>AWS::DeviceFarm::Project</u>	Create	Read	Update	Delete	List
<u>AWS::DeviceFarm::TestGridProject</u>	Create	Read	Update	Delete	List
<u>AWS::DeviceFarm::VPCEConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::DevOpsGuru::LogAnomalyDetectionIntegration</u>	Create	Read	Update	Delete	List
<u>AWS::DevOpsGuru::NotificationChannel</u>	Create	Read		Delete	List
<u>AWS::DevOpsGuru::ResourceCollection</u>	Create	Read	Update	Delete	List
<u>AWS::DirectoryService::SimpleAD</u>	Create	Read	Update	Delete	List
<u>AWS::DMS::DataProvider</u>	Create	Read	Update	Delete	List
<u>AWS::DMS::InstanceProfile</u>	Create	Read	Update	Delete	List
<u>AWS::DMS::MigrationProject</u>	Create	Read	Update	Delete	List
<u>AWS::DMS::ReplicationConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::DocDBElastic::Cluster</u>	Create	Read	Update	Delete	List
<u>AWS::DynamoDB::GlobalTable</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::DynamoDB::Table	Create	Read	Update	Delete	List
AWS::EC2::CapacityReservation	Create	Read	Update	Delete	List
AWS::EC2::CapacityReservationFleet	Create	Read	Update	Delete	List
AWS::EC2::CarrierGateway	Create	Read	Update	Delete	List
AWS::EC2::CustomerGateway	Create	Read	Update	Delete	List
AWS::EC2::DHCPOptions	Create	Read	Update	Delete	List
AWS::EC2::EC2Fleet	Create	Read	Update	Delete	List
AWS::EC2::EgressOnlyInternetGateway	Create	Read		Delete	List
AWS::EC2::EIP	Create	Read	Update	Delete	List
AWS::EC2::EIPAssociation	Create	Read		Delete	List
AWS::EC2::EnclaveCertificateIamRoleAssociation	Create	Read		Delete	List
AWS::EC2::FlowLog	Create	Read	Update	Delete	List
AWS::EC2::GatewayRouteTableAssociation	Create	Read	Update	Delete	
AWS::EC2::Host	Create	Read	Update	Delete	List
AWS::EC2::Instance	Create	Read	Update	Delete	List
AWS::EC2::InstanceConnectEndpoint	Create	Read	Update	Delete	List
AWS::EC2::InternetGateway	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::EC2::IPAM	Create	Read	Update	Delete	List
AWS::EC2::IPAMAllocation	Create	Read		Delete	List
AWS::EC2::IPAMPool	Create	Read	Update	Delete	List
AWS::EC2::IPAMPoolCidr	Create	Read		Delete	List
AWS::EC2::IPAMResourceDiscovery	Create	Read	Update	Delete	List
AWS::EC2::IPAMResourceDiscoveryAssociation	Create	Read	Update	Delete	List
AWS::EC2::IPAMScope	Create	Read	Update	Delete	List
AWS::EC2::KeyPair	Create	Read		Delete	List
AWS::EC2::LaunchTemplate	Create	Read	Update	Delete	List
AWS::EC2::LocalGatewayRoute	Create	Read	Update	Delete	List
AWS::EC2::LocalGatewayRouteTable	Create	Read	Update	Delete	List
AWS::EC2::LocalGatewayRouteTableVirtualInterfaceGroupAssociation	Create	Read	Update	Delete	List
AWS::EC2::LocalGatewayRouteTableVPCAssociation	Create	Read	Update	Delete	List
AWS::EC2::NatGateway	Create	Read	Update	Delete	List
AWS::EC2::NetworkAcl	Create	Read	Update	Delete	List
AWS::EC2::NetworkAclEntry	Create		Update	Delete	

Resource	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkInsightsAccessScope</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkInsightsAccessScopeAnalysis</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkInsightsAnalysis</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkInsightsPath</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkInterface</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkInterfaceAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::NetworkPerformanceMetricSubscription</u>	Create	Read		Delete	List
<u>AWS::EC2::PlacementGroup</u>	Create	Read		Delete	List
<u>AWS::EC2::PrefixList</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::Route</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::RouteTable</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::SecurityGroup</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::SecurityGroupEgress</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::SecurityGroupIngress</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::SnapshotBlockPublicAccess</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::EC2::SpotFleet</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::Subnet</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::SubnetCidrBlock</u>	Create	Read		Delete	List
<u>AWS::EC2::SubnetNetworkAclAssociation</u>	Create	Read		Delete	List
<u>AWS::EC2::SubnetRouteTableAssociation</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGateway</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::TransitGatewayAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::TransitGatewayConnect</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::TransitGatewayMulticastDomain</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::TransitGatewayMulticastDomainAssociation</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGatewayMulticastGroupMember</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGatewayMulticastGroupSource</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGatewayPeeringAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::TransitGatewayRoute</u>	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::EC2::TransitGatewayRouteTable</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGatewayRouteTableAssociation</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGatewayRouteTablePropagation</u>	Create	Read		Delete	List
<u>AWS::EC2::TransitGatewayVpcAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VerifiedAccessEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VerifiedAccessGroup</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VerifiedAccessInstance</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VerifiedAccessTrustProvider</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::Volume</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VolumeAttachment</u>	Create	Read		Delete	List
<u>AWS::EC2::VPC</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCCidrBlock</u>	Create	Read		Delete	List
<u>AWS::EC2::VPCDHCPOptionsAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCEndpoint</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCEndpointConnectionNotification</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCEndpointService</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCEndpointServicePermissions</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCGatewayAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPCPeeringConnection</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPNConnection</u>	Create	Read	Update	Delete	List
<u>AWS::EC2::VPNConnectionRoute</u>	Create	Read		Delete	List
<u>AWS::EC2::VPNGateway</u>	Create	Read	Update	Delete	List
<u>AWS::ECR::PublicRepository</u>	Create	Read	Update	Delete	List
<u>AWS::ECR::PullThroughCacheRule</u>	Create	Read	Update	Delete	List
<u>AWS::ECR::RegistryPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::ECR::ReplicationConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::ECR::Repository</u>	Create	Read	Update	Delete	List
<u>AWS::ECR::RepositoryCreationTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::ECS::CapacityProvider</u>	Create	Read	Update	Delete	List
<u>AWS::ECS::Cluster</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ECS::ClusterCapacityProviderAssociations</u>	Create	Read	Update	Delete	List
<u>AWS::ECS::PrimaryTaskSet</u>	Create	Read	Update	Delete	
<u>AWS::ECS::Service</u>	Create	Read	Update	Delete	List
<u>AWS::ECS::TaskDefinition</u>	Create	Read	Update	Delete	List
<u>AWS::ECS::TaskSet</u>	Create	Read	Update	Delete	
<u>AWS::EFS::AccessPoint</u>	Create	Read	Update	Delete	List
<u>AWS::EFS::FileSystem</u>	Create	Read	Update	Delete	List
<u>AWS::EFS::MountTarget</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::AccessEntry</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::Addon</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::Cluster</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::FargateProfile</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::IdentityProviderConfig</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::Nodegroup</u>	Create	Read	Update	Delete	List
<u>AWS::EKS::PodIdentityAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::ElastiCache::GlobalReplicationGroup</u>	Create	Read	Update	Delete	List
<u>AWS::ElastiCache::ParameterGroup</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ElastiCache::ServerlessCache</u>	Create	Read	Update	Delete	List
<u>AWS::ElastiCache::SubnetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::ElastiCache::User</u>	Create	Read	Update	Delete	List
<u>AWS::ElastiCache::UserGroup</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticBeanstalk::Application</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticBeanstalk::ApplicationVersion</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticBeanstalk::ConfigurationTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticBeanstalk::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticLoadBalancingV2::Listener</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticLoadBalancingV2::ListenerRule</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticLoadBalancingV2::LoadBalancer</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticLoadBalancingV2::TargetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::ElasticLoadBalancingV2::TrustStore</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ElasticLoadBalancingV2::TrustStoreRevocation</u>	Create	Read		Delete	List
<u>AWS::EMR::SecurityConfigura tion</u>	Create	Read		Delete	List
<u>AWS::EMR::Step</u>	Create			Delete	
<u>AWS::EMR::Studio</u>	Create	Read	Update	Delete	List
<u>AWS::EMR::StudioSessionMapp ing</u>	Create	Read	Update	Delete	List
<u>AWS::EMR::WALWorkspace</u>	Create	Read	Update	Delete	List
<u>AWS::EMRContainers::Virtual Cluster</u>	Create	Read	Update	Delete	List
<u>AWS::EMRServerless::Applica tion</u>	Create	Read	Update	Delete	List
<u>AWS::EntityResolution::IdMa ppingWorkflow</u>	Create	Read	Update	Delete	List
<u>AWS::EntityResolution::IdNa mespace</u>	Create	Read	Update	Delete	List
<u>AWS::EntityResolution::Matc hingWorkflow</u>	Create	Read	Update	Delete	List
<u>AWS::EntityResolution::Poli cyStatement</u>	Create	Read	Update	Delete	List
<u>AWS::EntityResolution::Sche maMapping</u>	Create	Read	Update	Delete	List
<u>AWS::Events::ApiDestination</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Events::Archive</u>	Create	Read	Update	Delete	List
<u>AWS::Events::Connection</u>	Create	Read	Update	Delete	List
<u>AWS::Events::Endpoint</u>	Create	Read	Update	Delete	List
<u>AWS::Events::EventBus</u>	Create	Read	Update	Delete	List
<u>AWS::Events::Rule</u>	Create	Read	Update	Delete	List
<u>AWS::EventSchemas::Discoverer</u>	Create	Read	Update	Delete	List
<u>AWS::EventSchemas::Registry</u>	Create	Read	Update	Delete	List
<u>AWS::EventSchemas::RegistryPolicy</u>	Create	Read	Update	Delete	
<u>AWS::EventSchemas::Schema</u>	Create	Read	Update	Delete	List
<u>AWS::Evidently::Experiment</u>	Create	Read	Update	Delete	
<u>AWS::Evidently::Feature</u>	Create	Read	Update	Delete	
<u>AWS::Evidently::Launch</u>	Create	Read	Update	Delete	
<u>AWS::Evidently::Project</u>	Create	Read	Update	Delete	
<u>AWS::Evidently::Segment</u>	Create	Read		Delete	List
<u>AWS::FinSpace::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::FIS::ExperimentTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::FIS::TargetAccountConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::FMS::NotificationChannel</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::FMS::Policy</u>	Create	Read	Update	Delete	List
<u>AWS::FMS::ResourceSet</u>	Create	Read	Update	Delete	List
<u>AWS::Forecast::Dataset</u>	Create	Read		Delete	List
<u>AWS::Forecast::DatasetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::Detector</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::EntityType</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::EventType</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::Label</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::List</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::Outcome</u>	Create	Read	Update	Delete	List
<u>AWS::FraudDetector::Variable</u>	Create	Read	Update	Delete	List
<u>AWS::FSx::DataRepositoryAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::GameLift::Alias</u>	Create	Read	Update	Delete	List
<u>AWS::GameLift::Build</u>	Create	Read	Update	Delete	List
<u>AWS::GameLift::ContainerGroupDefinition</u>	Create	Read	Update	Delete	List
<u>AWS::GameLift::Fleet</u>	Create	Read	Update	Delete	List
<u>AWS::GameLift::GameServerGroup</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::GameLift::GameSessionQueue	Create	Read	Update	Delete	List
AWS::GameLift::Location	Create	Read	Update	Delete	List
AWS::GameLift::MatchmakingConfiguration	Create	Read	Update	Delete	List
AWS::GameLift::MatchmakingRuleSet	Create	Read	Update	Delete	List
AWS::GameLift::Script	Create	Read	Update	Delete	List
AWS::GlobalAccelerator::Accelerator	Create	Read	Update	Delete	List
AWS::GlobalAccelerator::CrossAccountAttachment	Create	Read	Update	Delete	List
AWS::GlobalAccelerator::EndpointGroup	Create	Read	Update	Delete	List
AWS::GlobalAccelerator::Listener	Create	Read	Update	Delete	List
AWS::Glue::Registry	Create	Read	Update	Delete	List
AWS::Glue::Schema	Create	Read	Update	Delete	List
AWS::Glue::SchemaVersion	Create	Read		Delete	List
AWS::Glue::SchemaVersionMetadata	Create	Read		Delete	List
AWS::Grafana::Workspace	Create	Read	Update	Delete	List
AWS::GreengrassV2::ComponentVersion	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::GreengrassV2::Deployment</u>	Create	Read	Update	Delete	List
<u>AWS::GroundStation::Config</u>	Create	Read	Update	Delete	List
<u>AWS::GroundStation::DataflowEndpointGroup</u>	Create	Read		Delete	List
<u>AWS::GroundStation::MissionProfile</u>	Create	Read	Update	Delete	List
<u>AWS::GuardDuty::Detector</u>	Create	Read	Update	Delete	List
<u>AWS::GuardDuty::Filter</u>	Create	Read	Update	Delete	List
<u>AWS::GuardDuty::IPSet</u>	Create	Read	Update	Delete	List
<u>AWS::GuardDuty::MalwareProtectionPlan</u>	Create	Read	Update	Delete	List
<u>AWS::GuardDuty::Master</u>	Create	Read		Delete	List
<u>AWS::GuardDuty::Member</u>	Create	Read	Update	Delete	List
<u>AWS::GuardDuty::ThreatIntelSet</u>	Create	Read	Update	Delete	List
<u>AWS::HealthImaging::Datastore</u>	Create	Read		Delete	List
<u>AWS::HealthLake::FHIRDatastore</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::Group</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::GroupPolicy</u>	Create	Read	Update	Delete	
<u>AWS::IAM::InstanceProfile</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::IAM::ManagedPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::OIDCProvider</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::Policy</u>	Create		Update	Delete	
<u>AWS::IAM::Role</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::RolePolicy</u>	Create	Read	Update	Delete	
<u>AWS::IAM::SAMLProvider</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::ServerCertificate</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::ServiceLinkedRole</u>	Create	Read	Update	Delete	
<u>AWS::IAM::User</u>	Create	Read	Update	Delete	List
<u>AWS::IAM::UserPolicy</u>	Create	Read	Update	Delete	
<u>AWS::IAM::VirtualMFADevice</u>	Create	Read	Update	Delete	List
<u>AWS::IdentityStore::Group</u>	Create	Read	Update	Delete	List
<u>AWS::IdentityStore::GroupMembership</u>	Create	Read		Delete	List
<u>AWS::ImageBuilder::Component</u>	Create	Read		Delete	List
<u>AWS::ImageBuilder::ContainerRecipe</u>	Create	Read		Delete	List
<u>AWS::ImageBuilder::DistributionConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::ImageBuilder::Image</u>	Create	Read		Delete	List
<u>AWS::ImageBuilder::ImagePipeline</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ImageBuilder::ImageRecipe</u>	Create	Read		Delete	List
<u>AWS::ImageBuilder::InfrastructureConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::ImageBuilder::LifecyclePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::ImageBuilder::Workflow</u>	Create	Read		Delete	List
<u>AWS::Inspector::AssessmentTarget</u>	Create	Read	Update	Delete	List
<u>AWS::Inspector::AssessmentTemplate</u>	Create	Read		Delete	List
<u>AWS::Inspector::ResourceGroup</u>	Create	Read		Delete	
<u>AWS::InspectorV2::CisScanConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::InspectorV2::Filter</u>	Create	Read	Update	Delete	List
<u>AWS::InternetMonitor::Monitor</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::AccountAuditConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::Authorizer</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::BillingGroup</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::CACertificate</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::Certificate</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::IoT::CertificateProvider</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::CustomMetric</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::Dimension</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::DomainConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::FleetMetric</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::JobTemplate</u>	Create	Read		Delete	List
<u>AWS::IoT::Logging</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::MitigationAction</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::Policy</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::ProvisioningTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::ResourceSpecificLogging</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::RoleAlias</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::ScheduledAudit</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::SecurityProfile</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::SoftwarePackage</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::SoftwarePackageVersion</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::Thing</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::IoT::ThingGroup</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::ThingType</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::TopicRule</u>	Create	Read	Update	Delete	List
<u>AWS::IoT::TopicRuleDestinat ion</u>	Create	Read	Update	Delete	List
<u>AWS::IoTAnalytics::Channel</u>	Create	Read	Update	Delete	List
<u>AWS::IoTAnalytics::Dataset</u>	Create	Read	Update	Delete	List
<u>AWS::IoTAnalytics::Datastore</u>	Create	Read	Update	Delete	List
<u>AWS::IoTAnalytics::Pipeline</u>	Create	Read	Update	Delete	List
<u>AWS::IoTCoreDeviceAdvisor:: SuiteDefinition</u>	Create	Read	Update	Delete	List
<u>AWS::IoTEvents::AlarmModel</u>	Create	Read	Update	Delete	List
<u>AWS::IoTEvents::DetectorMod el</u>	Create	Read	Update	Delete	List
<u>AWS::IoTEvents::Input</u>	Create	Read	Update	Delete	List
<u>AWS::IoTFleetHub::Applicati on</u>	Create	Read	Update	Delete	List
<u>AWS::IoTFleetWise::Campaign</u>	Create	Read	Update	Delete	List
<u>AWS::IoTFleetWise::DecoderM anifest</u>	Create	Read	Update	Delete	List
<u>AWS::IoTFleetWise::Fleet</u>	Create	Read	Update	Delete	List
<u>AWS::IoTFleetWise::ModelMan ifest</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::IoT FleetWise::SignalCatalog</u>	Create	Read	Update	Delete	List
<u>AWS::IoT FleetWise::Vehicle</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::AccessPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::Asset</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::AssetModel</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::Dashboard</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::Gateway</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::Portal</u>	Create	Read	Update	Delete	List
<u>AWS::IoT SiteWise::Project</u>	Create	Read	Update	Delete	List
<u>AWS::IoT TwinMaker::ComponentType</u>	Create	Read	Update	Delete	List
<u>AWS::IoT TwinMaker::Entity</u>	Create	Read	Update	Delete	List
<u>AWS::IoT TwinMaker::Scene</u>	Create	Read	Update	Delete	List
<u>AWS::IoT TwinMaker::SyncJob</u>	Create	Read		Delete	List
<u>AWS::IoT TwinMaker::Workspace</u>	Create	Read	Update	Delete	List
<u>AWS::IoT Wireless::Destination</u>	Create	Read	Update	Delete	List
<u>AWS::IoT Wireless::DeviceProfile</u>	Create	Read		Delete	List
<u>AWS::IoT Wireless::FirmwareTask</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::IoTWireless::MulticastGroup</u>	Create	Read	Update	Delete	List
<u>AWS::IoTWireless::NetworkAnalyzerConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IoTWireless::PartnerAccount</u>	Create	Read	Update	Delete	List
<u>AWS::IoTWireless::ServiceProfile</u>	Create	Read		Delete	List
<u>AWS::IoTWireless::TaskDefinition</u>	Create	Read		Delete	List
<u>AWS::IoTWireless::WirelessDevice</u>	Create	Read	Update	Delete	List
<u>AWS::IoTWireless::WirelessDeviceImportTask</u>	Create	Read	Update	Delete	List
<u>AWS::IoTWireless::WirelessGateway</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::Channel</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::EncoderConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::PlaybackKeyPair</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::PlaybackRestrictionPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::RecordingConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::Stage</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::IVS::StorageConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IVS::StreamKey</u>	Create	Read	Update	Delete	List
<u>AWS::IVSChat::LoggingConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::IVSChat::Room</u>	Create	Read	Update	Delete	List
<u>AWS::KafkaConnect::Connector</u>	Create	Read	Update	Delete	List
<u>AWS::KafkaConnect::CustomPlugin</u>	Create	Read	Update	Delete	List
<u>AWS::KafkaConnect::WorkerConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::Kendra::DataSource</u>	Create	Read	Update	Delete	List
<u>AWS::Kendra::FAQ</u>	Create	Read	Update	Delete	List
<u>AWS::Kendra::Index</u>	Create	Read	Update	Delete	List
<u>AWS::KendraRanking::ExecutionPlan</u>	Create	Read	Update	Delete	List
<u>AWS::Kinesis::Stream</u>	Create	Read	Update	Delete	List
<u>AWS::KinesisAnalyticsV2::Application</u>	Create	Read	Update	Delete	List
<u>AWS::KinesisFirehose::DeliveryStream</u>	Create	Read	Update	Delete	List
<u>AWS::KinesisVideo::SignalingChannel</u>	Create	Read	Update	Delete	

Resource	Create	Read	Update	Delete	List
AWS::KinesisVideo::Stream	Create	Read	Update	Delete	
AWS::KMS::Alias	Create	Read	Update	Delete	List
AWS::KMS::Key	Create	Read	Update	Delete	List
AWS::KMS::ReplicaKey	Create	Read	Update	Delete	List
AWS::LakeFormation::DataCellsFilter	Create	Read		Delete	List
AWS::LakeFormation::PrincipalPermissions	Create	Read		Delete	
AWS::LakeFormation::Tag	Create	Read	Update	Delete	List
AWS::LakeFormation::TagAssociation	Create	Read		Delete	
AWS::Lambda::Alias	Create	Read	Update	Delete	List
AWS::Lambda::CodeSigningConfig	Create	Read	Update	Delete	List
AWS::Lambda::EventInvokeConfig	Create	Read	Update	Delete	List
AWS::Lambda::EventSourceMapping	Create	Read	Update	Delete	List
AWS::Lambda::Function	Create	Read	Update	Delete	List
AWS::Lambda::LayerVersion	Create	Read		Delete	List
AWS::Lambda::LayerVersionPermission	Create	Read		Delete	List
AWS::Lambda::Permission	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Lambda::Url</u>	Create	Read	Update	Delete	List
<u>AWS::Lambda::Version</u>	Create	Read		Delete	List
<u>AWS::LaunchWizard::Deployment</u>	Create	Read	Update	Delete	List
<u>AWS::Lex::Bot</u>	Create	Read	Update	Delete	List
<u>AWS::Lex::BotAlias</u>	Create	Read	Update	Delete	List
<u>AWS::Lex::BotVersion</u>	Create	Read		Delete	List
<u>AWS::Lex::ResourcePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::LicenseManager::Grant</u>	Create	Read	Update	Delete	List
<u>AWS::LicenseManager::License</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Alarm</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Bucket</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Certificate</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Container</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Database</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Disk</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Distribution</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::Instance</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::LoadBalancer</u>	Create	Read	Update	Delete	List
<u>AWS::Lightsail::LoadBalancerTlsCertificate</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Lightsail::StaticIp</u>	Create	Read	Update	Delete	List
<u>AWS::Location::APIKey</u>	Create	Read	Update	Delete	List
<u>AWS::Location::GeofenceCollection</u>	Create	Read	Update	Delete	List
<u>AWS::Location::Map</u>	Create	Read	Update	Delete	List
<u>AWS::Location::PlaceIndex</u>	Create	Read	Update	Delete	List
<u>AWS::Location::RouteCalculator</u>	Create	Read	Update	Delete	List
<u>AWS::Location::Tracker</u>	Create	Read	Update	Delete	List
<u>AWS::Location::TrackerConsumer</u>	Create	Read		Delete	List
<u>AWS::Logs::AccountPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::Delivery</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::DeliveryDestination</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::DeliverySource</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::Destination</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::LogAnomalyDetector</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::LogGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::LogStream</u>	Create	Read		Delete	List
<u>AWS::Logs::MetricFilter</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Logs::QueryDefinition</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::ResourcePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::Logs::SubscriptionFilter</u>	Create	Read	Update	Delete	List
<u>AWS::LookoutEquipment::InferenceScheduler</u>	Create	Read	Update	Delete	List
<u>AWS::LookoutMetrics::Alert</u>	Create	Read		Delete	List
<u>AWS::LookoutMetrics::AnomalyDetector</u>	Create	Read	Update	Delete	List
<u>AWS::LookoutVision::Project</u>	Create	Read	Update	Delete	List
<u>AWS::M2::Application</u>	Create	Read	Update	Delete	List
<u>AWS::M2::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::Macie::AllowList</u>	Create	Read	Update	Delete	List
<u>AWS::Macie::CustomDataIdentifier</u>	Create	Read	Update	Delete	List
<u>AWS::Macie::FindingsFilter</u>	Create	Read	Update	Delete	List
<u>AWS::Macie::Session</u>	Create	Read	Update	Delete	List
<u>AWS::ManagedBlockchain::Accessor</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::Bridge</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::BridgeOutput</u>	Create	Read	Update	Delete	

Resource	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::BridgeSource</u>	Create	Read	Update	Delete	
<u>AWS::MediaConnect::Flow</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::FlowEntitlement</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::FlowOutput</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::FlowSource</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::FlowVpcInterface</u>	Create	Read	Update	Delete	List
<u>AWS::MediaConnect::Gateway</u>	Create	Read		Delete	List
<u>AWS::MediaLive::Multiplex</u>	Create	Read	Update	Delete	List
<u>AWS::MediaLive::MultiplexProgram</u>	Create	Read	Update	Delete	List
<u>AWS::MediaPackage::Asset</u>	Create	Read		Delete	List
<u>AWS::MediaPackage::Channel</u>	Create	Read	Update	Delete	List
<u>AWS::MediaPackage::OriginEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::MediaPackage::PackageConfiguration</u>	Create	Read		Delete	List
<u>AWS::MediaPackage::PackageGroup</u>	Create	Read	Update	Delete	List
<u>AWS::MediaPackageV2::Channel</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::MediaPackageV2::ChannelGroup</u>	Create	Read	Update	Delete	List
<u>AWS::MediaPackageV2::ChannelPolicy</u>	Create	Read	Update	Delete	
<u>AWS::MediaPackageV2::OriginEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::MediaPackageV2::OriginEndpointPolicy</u>	Create	Read	Update	Delete	
<u>AWS::MediaTailor::Channel</u>	Create	Read	Update	Delete	List
<u>AWS::MediaTailor::ChannelPolicy</u>	Create	Read	Update	Delete	
<u>AWS::MediaTailor::LiveSource</u>	Create	Read	Update	Delete	List
<u>AWS::MediaTailor::PlaybackConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::MediaTailor::SourceLocation</u>	Create	Read	Update	Delete	List
<u>AWS::MediaTailor::VodSource</u>	Create	Read	Update	Delete	List
<u>AWS::MemoryDB::ACL</u>	Create	Read	Update	Delete	List
<u>AWS::MemoryDB::Cluster</u>	Create	Read	Update	Delete	List
<u>AWS::MemoryDB::ParameterGroup</u>	Create	Read	Update	Delete	List
<u>AWS::MemoryDB::SubnetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::MemoryDB::User</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::MSK::BatchScramSecret</u>	Create	Read	Update	Delete	List
<u>AWS::MSK::Cluster</u>	Create	Read	Update	Delete	List
<u>AWS::MSK::ClusterPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::MSK::Configuration</u>	Create	Read	Update	Delete	List
<u>AWS::MSK::Replicator</u>	Create	Read	Update	Delete	List
<u>AWS::MSK::ServerlessCluster</u>	Create	Read		Delete	List
<u>AWS::MSK::VpcConnection</u>	Create	Read	Update	Delete	List
<u>AWS::MWA::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::Neptune::DBCluster</u>	Create	Read	Update	Delete	List
<u>AWS::NeptuneGraph::Graph</u>	Create	Read	Update	Delete	List
<u>AWS::NeptuneGraph::PrivateGraphEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkFirewall::Firewall</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkFirewall::FirewallPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkFirewall::LoggingConfiguration</u>	Create	Read	Update	Delete	
<u>AWS::NetworkFirewall::RuleGroup</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkFirewall::TLSInspectionConfiguration</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::ConnectAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::ConnectPeer</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::CoreNetwork</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::CustomerGatewayAssociation</u>	Create	Read		Delete	List
<u>AWS::NetworkManager::Device</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::GlobalNetwork</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::Link</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::LinkAssociation</u>	Create	Read		Delete	List
<u>AWS::NetworkManager::Site</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::SiteToSiteVpnAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::TransitGatewayPeering</u>	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::TransitGatewayRegistration</u>	Create	Read		Delete	List
<u>AWS::NetworkManager::TransitGatewayRouteTableAttachment</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::NetworkManager::VpcAttachment</u>	Create	Read	Update	Delete	List
<u>AWS::NimbleStudio::LaunchProfile</u>	Create	Read	Update	Delete	List
<u>AWS::NimbleStudio::StreamingImage</u>	Create	Read	Update	Delete	List
<u>AWS::NimbleStudio::Studio</u>	Create	Read	Update	Delete	List
<u>AWS::NimbleStudio::StudioComponent</u>	Create	Read	Update	Delete	List
<u>AWS::Oam::Link</u>	Create	Read	Update	Delete	List
<u>AWS::Oam::Sink</u>	Create	Read	Update	Delete	List
<u>AWS::Omics::AnnotationStore</u>	Create	Read	Update	Delete	List
<u>AWS::Omics::ReferenceStore</u>	Create	Read		Delete	List
<u>AWS::Omics::RunGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Omics::SequenceStore</u>	Create	Read		Delete	List
<u>AWS::Omics::VariantStore</u>	Create	Read	Update	Delete	List
<u>AWS::Omics::Workflow</u>	Create	Read	Update	Delete	List
<u>AWS::OpenSearchServerless::AccessPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::OpenSearchServerless::Collection</u>	Create	Read	Update	Delete	List
<u>AWS::OpenSearchServerless::LifecyclePolicy</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::OpenSearchServerless::SecurityConfig</u>	Create	Read	Update	Delete	List
<u>AWS::OpenSearchServerless::SecurityPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::OpenSearchServerless::VpcEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::OpenSearchService::Domain</u>	Create	Read	Update	Delete	
<u>AWS::OpsWorksCM::Server</u>	Create	Read	Update	Delete	List
<u>AWS::Organizations::Account</u>	Create	Read	Update	Delete	List
<u>AWS::Organizations::Organization</u>	Create	Read	Update	Delete	List
<u>AWS::Organizations::OrganizationalUnit</u>	Create	Read	Update	Delete	List
<u>AWS::Organizations::Policy</u>	Create	Read	Update	Delete	List
<u>AWS::Organizations::ResourcePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::OSIS::Pipeline</u>	Create	Read	Update	Delete	List
<u>AWS::Panorama::ApplicationInstance</u>	Create	Read	Update	Delete	List
<u>AWS::Panorama::Package</u>	Create	Read	Update	Delete	List
<u>AWS::Panorama::PackageVersion</u>	Create	Read	Update	Delete	

Resource	Create	Read	Update	Delete	List
AWS::PaymentCryptography::Alias	Create	Read	Update	Delete	List
AWS::PaymentCryptography::Key	Create	Read	Update	Delete	List
AWS::PCACConnectorAD::Connector	Create	Read	Update	Delete	List
AWS::PCACConnectorAD::DirectoryRegistration	Create	Read	Update	Delete	List
AWS::PCACConnectorAD::ServicePrincipalName	Create	Read		Delete	List
AWS::PCACConnectorAD::Template	Create	Read	Update	Delete	List
AWS::PCACConnectorAD::TemplateGroupAccessControlEntry	Create	Read	Update	Delete	List
AWS::Personalize::Dataset	Create	Read	Update	Delete	List
AWS::Personalize::DatasetGroup	Create	Read		Delete	List
AWS::Personalize::Schema	Create	Read		Delete	List
AWS::Personalize::Solution	Create	Read		Delete	List
AWS::Pinpoint::InAppTemplate	Create	Read	Update	Delete	List
AWS::Pipes::Pipe	Create	Read	Update	Delete	List
AWS::Proton::EnvironmentAccountConnection	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Proton::EnvironmentTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::Proton::ServiceTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::QBusiness::Application</u>	Create	Read	Update	Delete	List
<u>AWS::QBusiness::DataSource</u>	Create	Read	Update	Delete	List
<u>AWS::QBusiness::Index</u>	Create	Read	Update	Delete	List
<u>AWS::QBusiness::Plugin</u>	Create	Read	Update	Delete	List
<u>AWS::QBusiness::Retriever</u>	Create	Read	Update	Delete	List
<u>AWS::QBusiness::WebExperience</u>	Create	Read	Update	Delete	List
<u>AWS::QLDB::Stream</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::Analysis</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::Dashboard</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::DataSet</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::DataSource</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::RefreshSchedule</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::Template</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::Theme</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::Topic</u>	Create	Read	Update	Delete	List
<u>AWS::QuickSight::VPCConnection</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::RAM::Permission</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::CustomDBEngineVersion</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBCluster</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBClusterParameterGroup</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBInstance</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBParameterGroup</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBProxy</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBProxyEndpoint</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBProxyTargetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::DBSubnetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::EventSubscription</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::GlobalCluster</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::Integration</u>	Create	Read	Update	Delete	List
<u>AWS::RDS::OptionGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Redshift::Cluster</u>	Create	Read	Update	Delete	List
<u>AWS::Redshift::ClusterParameterGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Redshift::ClusterSubnetGroup</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Redshift::EndpointAccess</u>	Create	Read	Update	Delete	List
<u>AWS::Redshift::EndpointAuthorization</u>	Create	Read	Update	Delete	List
<u>AWS::Redshift::EventSubscription</u>	Create	Read	Update	Delete	List
<u>AWS::Redshift::ScheduledAction</u>	Create	Read	Update	Delete	List
<u>AWS::RedshiftServerless::Namespace</u>	Create	Read	Update	Delete	List
<u>AWS::RedshiftServerless::Workgroup</u>	Create	Read	Update	Delete	List
<u>AWS::RefactorSpaces::Application</u>	Create	Read		Delete	List
<u>AWS::RefactorSpaces::Environment</u>	Create	Read		Delete	List
<u>AWS::RefactorSpaces::Route</u>	Create	Read	Update	Delete	List
<u>AWS::RefactorSpaces::Service</u>	Create	Read		Delete	List
<u>AWS::Rekognition::Collection</u>	Create	Read	Update	Delete	List
<u>AWS::Rekognition::Project</u>	Create	Read	Update	Delete	List
<u>AWS::Rekognition::StreamProcessor</u>	Create	Read	Update	Delete	List
<u>AWS::ResilienceHub::App</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ResilienceHub::ResiliencyPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::ResourceExplorer2::DefaultViewAssociation</u>	Create	Read	Update	Delete	
<u>AWS::ResourceExplorer2::Index</u>	Create	Read	Update	Delete	List
<u>AWS::ResourceExplorer2::View</u>	Create	Read	Update	Delete	List
<u>AWS::ResourceGroups::Group</u>	Create	Read	Update	Delete	List
<u>AWS::RoboMaker::Fleet</u>	Create	Read	Update	Delete	List
<u>AWS::RoboMaker::Robot</u>	Create	Read	Update	Delete	List
<u>AWS::RoboMaker::RobotApplication</u>	Create	Read	Update	Delete	List
<u>AWS::RoboMaker::RobotApplicationVersion</u>	Create	Read		Delete	
<u>AWS::RoboMaker::SimulationApplication</u>	Create	Read	Update	Delete	List
<u>AWS::RoboMaker::SimulationApplicationVersion</u>	Create	Read		Delete	
<u>AWS::RolesAnywhere::CRL</u>	Create	Read	Update	Delete	List
<u>AWS::RolesAnywhere::Profile</u>	Create	Read	Update	Delete	List
<u>AWS::RolesAnywhere::TrustAnchor</u>	Create	Read	Update	Delete	List
<u>AWS::Route53::CidrCollection</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Route53::DNSSEC</u>	Create	Read		Delete	List
<u>AWS::Route53::HealthCheck</u>	Create	Read	Update	Delete	List
<u>AWS::Route53::HostedZone</u>	Create	Read	Update	Delete	List
<u>AWS::Route53::KeySigningKey</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Profiles::Profile</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Profiles::ProfileAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Profiles::ProfileResourceAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryControl::Cluster</u>	Create	Read		Delete	List
<u>AWS::Route53RecoveryControl::ControlPanel</u>	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryControl::RoutingControl</u>	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryControl::SafetyRule</u>	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryReadiness::Cell</u>	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryReadiness::ReadinessCheck</u>	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryReadiness::RecoveryGroup</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Route53RecoveryReadiness::ResourceSet</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Resolver::FirewallDomainList</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Resolver::FirewallRuleGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Resolver::FirewallRuleGroupAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Resolver::OutputResolver</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Resolver::ResolverConfig</u>	Create	Read		Delete	List
<u>AWS::Route53Resolver::ResolverDNSSECConfig</u>	Create	Read		Delete	List
<u>AWS::Route53Resolver::ResolverQueryLoggingConfig</u>	Create	Read		Delete	List
<u>AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation</u>	Create	Read		Delete	List
<u>AWS::Route53Resolver::ResolverRule</u>	Create	Read	Update	Delete	List
<u>AWS::Route53Resolver::ResolverRuleAssociation</u>	Create	Read		Delete	List
<u>AWS::RUM::AppMonitor</u>	Create	Read	Update	Delete	List
<u>AWS::S3::AccessGrant</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::S3::AccessGrantsInstance	Create	Read	Update	Delete	List
AWS::S3::AccessGrantsLocation	Create	Read	Update	Delete	List
AWS::S3::AccessPoint	Create	Read	Update	Delete	List
AWS::S3::Bucket	Create	Read	Update	Delete	List
AWS::S3::BucketPolicy	Create	Read	Update	Delete	List
AWS::S3::MultiRegionAccessPoint	Create	Read		Delete	List
AWS::S3::MultiRegionAccessPointPolicy	Create	Read	Update	Delete	List
AWS::S3::StorageLens	Create	Read	Update	Delete	List
AWS::S3::StorageLensGroup	Create	Read	Update	Delete	List
AWS::S3Express::BucketPolicy	Create	Read	Update	Delete	List
AWS::S3Express::DirectoryBucket	Create	Read		Delete	List
AWS::S3ObjectLambda::AccessPoint	Create	Read	Update	Delete	List
AWS::S3ObjectLambda::AccessPointPolicy	Create	Read	Update	Delete	
AWS::S3Outposts::AccessPoint	Create	Read	Update	Delete	List
AWS::S3Outposts::Bucket	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::S3Outposts::BucketPolicy	Create	Read	Update	Delete	
AWS::S3Outposts::Endpoint	Create	Read		Delete	List
AWS::SageMaker::App	Create	Read		Delete	List
AWS::SageMaker::AppImageConfig	Create	Read	Update	Delete	List
AWS::SageMaker::DataQualityJobDefinition	Create	Read		Delete	List
AWS::SageMaker::Device	Create	Read	Update	Delete	
AWS::SageMaker::DeviceFleet	Create	Read	Update	Delete	
AWS::SageMaker::Domain	Create	Read	Update	Delete	List
AWS::SageMaker::FeatureGroup	Create	Read	Update	Delete	List
AWS::SageMaker::Image	Create	Read	Update	Delete	List
AWS::SageMaker::ImageVersion	Create	Read	Update	Delete	List
AWS::SageMaker::InferenceComponent	Create	Read	Update	Delete	List
AWS::SageMaker::InferenceExperiment	Create	Read	Update	Delete	List
AWS::SageMaker::MlflowTrackingServer	Create	Read	Update	Delete	List
AWS::SageMaker::ModelBiasJobDefinition	Create	Read		Delete	List
AWS::SageMaker::ModelCard	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::SageMaker::ModelExplainabilityJobDefinition</u>	Create	Read		Delete	List
<u>AWS::SageMaker::ModelPackage</u>	Create	Read	Update	Delete	List
<u>AWS::SageMaker::ModelPackageGroup</u>	Create	Read	Update	Delete	List
<u>AWS::SageMaker::ModelQualityJobDefinition</u>	Create	Read		Delete	List
<u>AWS::SageMaker::MonitoringSchedule</u>	Create	Read	Update	Delete	List
<u>AWS::SageMaker::Pipeline</u>	Create	Read	Update	Delete	List
<u>AWS::SageMaker::Project</u>	Create	Read	Update	Delete	List
<u>AWS::SageMaker::Space</u>	Create	Read	Update	Delete	List
<u>AWS::SageMaker::UserProfile</u>	Create	Read	Update	Delete	List
<u>AWS::Scheduler::Schedule</u>	Create	Read	Update	Delete	List
<u>AWS::Scheduler::ScheduleGroup</u>	Create	Read	Update	Delete	List
<u>AWS::SecretsManager::Secret</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::AutomationRule</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::ConfigurationPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::DelegatedAdmin</u>	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::FindingAggregator</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::Hub</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::Insight</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::OrganizationConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::PolicyAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::ProductSubscription</u>	Create	Read		Delete	List
<u>AWS::SecurityHub::SecurityControl</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityHub::Standard</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityLake::AwsLogSource</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityLake::DataLake</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityLake::Subscriber</u>	Create	Read	Update	Delete	List
<u>AWS::SecurityLake::SubscriberNotification</u>	Create	Read	Update	Delete	List
<u>AWS::ServiceCatalog::CloudFormationProvisionedProduct</u>	Create	Read	Update	Delete	
<u>AWS::ServiceCatalog::ServiceAction</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::ServiceCatalog::ServiceActionAssociation</u>	Create	Read		Delete	List
<u>AWS::ServiceCatalogAppRegistry::Application</u>	Create	Read	Update	Delete	List
<u>AWS::ServiceCatalogAppRegistry::AttributeGroup</u>	Create	Read	Update	Delete	List
<u>AWS::ServiceCatalogAppRegistry::AttributeGroupAssociation</u>	Create	Read		Delete	List
<u>AWS::ServiceCatalogAppRegistry::ResourceAssociation</u>	Create	Read		Delete	List
<u>AWS::SES::ConfigurationSet</u>	Create	Read	Update	Delete	List
<u>AWS::SES::ConfigurationSetEventDestination</u>	Create	Read	Update	Delete	
<u>AWS::SES::ContactList</u>	Create	Read	Update	Delete	List
<u>AWS::SES::DedicatedIpPool</u>	Create	Read	Update	Delete	List
<u>AWS::SES::EmailIdentity</u>	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerAddonInstance</u>	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerAddonSubscription</u>	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerArchive</u>	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerIngressPoint</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerRelay</u>	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerRuleSet</u>	Create	Read	Update	Delete	List
<u>AWS::SES::MailManagerTrafficPolicy</u>	Create	Read	Update	Delete	List
<u>AWS::SES::Template</u>	Create	Read	Update	Delete	List
<u>AWS::SES::VdmAttributes</u>	Create	Read	Update	Delete	
<u>AWS::Shield::DRTAccess</u>	Create	Read	Update	Delete	List
<u>AWS::Shield::ProactiveEngagement</u>	Create	Read	Update	Delete	List
<u>AWS::Shield::Protection</u>	Create	Read	Update	Delete	List
<u>AWS::Shield::ProtectionGroup</u>	Create	Read	Update	Delete	List
<u>AWS::Signer::ProfilePermission</u>	Create	Read		Delete	List
<u>AWS::Signer::SigningProfile</u>	Create	Read	Update	Delete	List
<u>AWS::SimSpaceWeaver::Simulation</u>	Create	Read	Update	Delete	List
<u>AWS::SNS::Topic</u>	Create	Read	Update	Delete	List
<u>AWS::SNS::TopicInlinePolicy</u>	Create	Read	Update	Delete	
<u>AWS::SNS::TopicPolicy</u>	Create		Update	Delete	
<u>AWS::SQS::Queue</u>	Create	Read	Update	Delete	List
<u>AWS::SQS::QueueInlinePolicy</u>	Create	Read	Update	Delete	
<u>AWS::SQS::QueuePolicy</u>	Create		Update	Delete	

Resource	Create	Read	Update	Delete	List
<u>AWS::SSM::Association</u>	Create	Read	Update	Delete	List
<u>AWS::SSM::Document</u>	Create	Read	Update	Delete	List
<u>AWS::SSM::Parameter</u>	Create	Read	Update	Delete	List
<u>AWS::SSM::PatchBaseline</u>	Create	Read	Update	Delete	List
<u>AWS::SSM::ResourceDataSync</u>	Create	Read	Update	Delete	List
<u>AWS::SSM::ResourcePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::SSMContacts::Contact</u>	Create	Read	Update	Delete	List
<u>AWS::SSMContacts::ContactChannel</u>	Create	Read	Update	Delete	List
<u>AWS::SSMContacts::Plan</u>	Create	Read	Update	Delete	
<u>AWS::SSMContacts::Rotation</u>	Create	Read	Update	Delete	List
<u>AWS::SSMIncidents::ReplicationSet</u>	Create	Read	Update	Delete	List
<u>AWS::SSMIncidents::ResponsePlan</u>	Create	Read	Update	Delete	List
<u>AWS::SSO::Application</u>	Create	Read	Update	Delete	List
<u>AWS::SSO::ApplicationAssignment</u>	Create	Read		Delete	List
<u>AWS::SSO::Assignment</u>	Create	Read		Delete	List
<u>AWS::SSO::Instance</u>	Create	Read	Update	Delete	List
<u>AWS::SSO::InstanceAccessControlAttributeConfiguration</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::SSO::PermissionSet	Create	Read	Update	Delete	List
AWS::StepFunctions::Activity	Create	Read	Update	Delete	List
AWS::StepFunctions::StateMachine	Create	Read	Update	Delete	List
AWS::StepFunctions::StateMachineAlias	Create	Read	Update	Delete	List
AWS::StepFunctions::StateMachineVersion	Create	Read		Delete	List
AWS::SupportApp::AccountAlias	Create	Read	Update	Delete	List
AWS::SupportApp::SlackChannelConfiguration	Create	Read	Update	Delete	List
AWS::SupportApp::SlackWorkspaceConfiguration	Create	Read	Update	Delete	List
AWS::Synthetics::Canary	Create	Read	Update	Delete	List
AWS::Synthetics::Group	Create	Read	Update	Delete	List
AWS::SystemsManagerSAP::Application	Create	Read	Update	Delete	List
AWS::Timestream::Database	Create	Read	Update	Delete	List
AWS::Timestream::InfluxDBInstance	Create	Read	Update	Delete	List
AWS::Timestream::ScheduledQuery	Create	Read	Update	Delete	List
AWS::Timestream::Table	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::Transfer::Agreement</u>	Create	Read	Update	Delete	List
<u>AWS::Transfer::Certificate</u>	Create	Read	Update	Delete	List
<u>AWS::Transfer::Connector</u>	Create	Read	Update	Delete	List
<u>AWS::Transfer::Profile</u>	Create	Read	Update	Delete	List
<u>AWS::Transfer::Workflow</u>	Create	Read	Update	Delete	List
<u>AWS::VerifiedPermissions::IdentitySource</u>	Create	Read	Update	Delete	List
<u>AWS::VerifiedPermissions::Policy</u>	Create	Read	Update	Delete	List
<u>AWS::VerifiedPermissions::PolicyStore</u>	Create	Read	Update	Delete	List
<u>AWS::VerifiedPermissions::PolicyTemplate</u>	Create	Read	Update	Delete	List
<u>AWS::VoiceID::Domain</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::AccessLogSubscription</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::AuthPolicy</u>	Create	Read	Update	Delete	
<u>AWS::VpcLattice::Listener</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::ResourcePolicy</u>	Create	Read	Update	Delete	
<u>AWS::VpcLattice::Rule</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::Service</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::ServiceNetwork</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::ServiceNetworkServiceAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::ServiceNetworkVpcAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::VpcLattice::TargetGroup</u>	Create	Read	Update	Delete	List
<u>AWS::WAFv2::IPSet</u>	Create	Read	Update	Delete	List
<u>AWS::WAFv2::LoggingConfiguration</u>	Create	Read	Update	Delete	List
<u>AWS::WAFv2::RegexPatternSet</u>	Create	Read	Update	Delete	List
<u>AWS::WAFv2::RuleGroup</u>	Create	Read	Update	Delete	List
<u>AWS::WAFv2::WebACL</u>	Create	Read	Update	Delete	List
<u>AWS::WAFv2::WebACLAssociation</u>	Create	Read	Update	Delete	
<u>AWS::Wisdom::Assistant</u>	Create	Read	Update	Delete	List
<u>AWS::Wisdom::AssistantAssociation</u>	Create	Read	Update	Delete	List
<u>AWS::Wisdom::KnowledgeBase</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpaces::ConnectionAlias</u>	Create	Read		Delete	
<u>AWS::WorkSpaces::WorkspacesPool</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesThinClient::Environment</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::BrowserSettings</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::IdentityProvider</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::IpAccessSettings</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::NetworkSettings</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::Portal</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::TrustStore</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::UserAccessLoggingSettings</u>	Create	Read	Update	Delete	List
<u>AWS::WorkSpacesWeb::UserSettings</u>	Create	Read	Update	Delete	List
<u>AWS::XRay::Group</u>	Create	Read	Update	Delete	List
<u>AWS::XRay::ResourcePolicy</u>	Create	Read	Update	Delete	List
<u>AWS::XRay::SamplingRule</u>	Create	Read	Update	Delete	List

Document history for the Cloud Control API User Guide

The following table describes the documentation releases for Amazon Cloud Control API.

For a complete list of resources that currently support Amazon Cloud Control API, see [Resource types that support Cloud Control API](#). See also [Discovering resources](#).

Change	Description	Date
New resource	AWS::SageMaker::MLflowTrackingServer resource type added.	July 15, 2024
New resource	AWS::Bedrock::Flow resource type added.	July 10, 2024
New resource	AWS::Bedrock::FlowAlias resource type added.	July 10, 2024
New resource	AWS::Bedrock::FlowVersion resource type added.	July 10, 2024
New resource	AWS::Bedrock::Prompt resource type added.	July 10, 2024
New resource	AWS::Bedrock::PromptVersion resource type added.	July 10, 2024
New resource	AWS::SES::MailManagerAddonInstance resource type added.	June 26, 2024
New resource	AWS::SES::MailManagerAddonSubscription resource type added.	June 26, 2024

New resource	AWS::SES::MailManagerArchive resource type added.	June 26, 2024
New resource	AWS::SES::MailManagerIngressPoint resource type added.	June 26, 2024
New resource	AWS::SES::MailManagerRelay resource type added.	June 26, 2024
New resource	AWS::SES::MailManagerRuleSet resource type added.	June 26, 2024
New resource	AWS::SES::MailManagerTrafficPolicy resource type added.	June 26, 2024
New resource	AWS::WorkSpaces::WorkspacePool resource type added.	June 21, 2024
New resource	AWS::LaunchWizard::Deployment resource type added.	June 19, 2024
New resource	AWS::CodePipeline::Pipeline resource type added.	June 12, 2024
New resource	AWS::GuardDuty::MalwareProtectionPlan resource type added.	June 11, 2024
New resource	AWS::AppTest::TestCase resource type added.	June 10, 2024

New resource	AWS::Deadline::Monitor resource type added.	June 5, 2024
New resource	AWS::CloudWatch::Dashboard resource type added.	May 29, 2024
New resource	AWS::SecurityHub::ConfigurationPolicy resource type added.	May 24, 2024
New resource	AWS::SecurityHub::PolicyAssociation resource type added.	May 24, 2024
New resource	AWS::SecurityHub::FindingAggregator resource type added.	May 23, 2024
New resource	AWS::SecurityHub::OrganizationConfiguration resource type added.	May 22, 2024
New resource	AWS::SecurityLake::SubscriberNotification resource type added.	May 22, 2024
New resource	AWS::DataZone::GroupProfile resource type added.	May 19, 2024
New resource	AWS::DataZone::ProjectMembership resource type added.	May 16, 2024
New resource	AWS::DataZone::UserProfile resource type added.	May 16, 2024

New resource	AWS::Bedrock::GuardrailVersion resource type added.	May 7, 2024
New resource	AWS::SSO::Application resource type added.	May 3, 2024
New resource	AWS::SSO::ApplicationAssignment resource type added.	May 3, 2024
New resource	AWS::SSO::Instance resource type added.	May 3, 2024
New resource	AWS::ApplicationSignals::ServiceLevelObjective resource type added.	May 1, 2024
New resource	AWS::SecurityHub::SecurityControl resource type added.	May 1, 2024
New resource	AWS::GameLift::ContainerGroupDefinition resource type added.	April 20, 2024
New resource	AWS::QBusiness::DataSource resource type added.	April 12, 2024
New resource	AWS::PaymentCryptography::Alias resource type added.	April 11, 2024
New resource	AWS::PaymentCryptography::Key resource type added.	April 11, 2024

New resource	AWS::ECR::RepositoryCreationTemplate resource type added.	April 5, 2024
New resource	AWS::IVS::EncoderConfiguration resource type added.	April 3, 2024
New resource	AWS::IVS::PlaybackRestrictionPolicy resource type added.	April 3, 2024
New resource	AWS::IVS::StorageConfiguration resource type added.	April 3, 2024
New resource	AWS::QBusiness::Plugin resource type added.	April 2, 2024
New resource	AWS::QBusiness::Retriever resource type added.	April 2, 2024
New resource	AWS::QBusiness::WebExperience resource type added.	April 2, 2024
New resource	AWS::Cognito::UserPoolResourceServer resource type added.	April 1, 2024
New resource	AWS::Cognito::UserPoolUICustomizationAttachment resource type added.	April 1, 2024
New resource	AWS::SecurityLake::AwsLogSource resource type added.	March 31, 2024

New resource	AWS::SecurityLake: :Subscriber resource type added.	March 31, 2024
New resource	AWS::Timestream::I nfluxDBInstance resource type added.	March 30, 2024
New resource	AWS::Deadline::Farm resource type added.	March 29, 2024
New resource	AWS::Deadline::Fleet resource type added.	March 29, 2024
New resource	AWS::Deadline::Lic enseEndpoint resource type added.	March 29, 2024
New resource	AWS::Deadline::Met eredProduct resource type added.	March 29, 2024
New resource	AWS::Deadline::Queue resource type added.	March 29, 2024
New resource	AWS::Deadline::Que ueEnvironment resource type added.	March 29, 2024
New resource	AWS::Deadline::Que ueFleetAssociation resource type added.	March 29, 2024
New resource	AWS::Deadline::Sto rageProfile resource type added.	March 29, 2024

New resource	AWS::SecurityLake: :DataLake resource type added.	March 28, 2024
New resource	AWS::Bedrock::Guardrail resource type added.	March 26, 2024
New resource	AWS::CleanRooms::PrivacyBudgetTemplate resource type added.	March 26, 2024
New resource	AWS::Bedrock::DataSource resource type added.	March 25, 2024
New resource	AWS::Bedrock::KnowledgeBase resource type added.	March 25, 2024
New resource	AWS::EntityResolution::IdNamespace resource type added.	March 25, 2024
New resource	AWS::EntityResolution::PolicyStatement resource type added.	March 25, 2024
New resource	AWS::QBusiness::Index resource type added.	March 25, 2024
New resource	AWS::Route53Profiles::ProfileAssociation resource type added.	March 24, 2024
New resource	AWS::Route53Profiles::ProfileResourceAssociation resource type added.	March 24, 2024

New resource	AWS::SecurityHub::DelegatedAdmin resource type added.	March 21, 2024
New resource	AWS::SecurityHub::Insight resource type added.	March 21, 2024
New resource	AWS::SecurityHub::ProductSubscription resource type added.	March 21, 2024
New resource	AWS::CleanRoomsML::TrainingDataset resource type added.	March 20, 2024
New resource	AWS::Route53Profiles::Profile resource type added.	March 20, 2024
New resource	AWS::Bedrock::Agent resource type added.	March 19, 2024
New resource	AWS::Bedrock::AgentAlias resource type added.	March 19, 2024
New resource	AWS::KafkaConnect::CustomPlugin resource type added.	March 18, 2024
New resource	AWS::KafkaConnect::WorkerConfiguration resource type added.	March 18, 2024
New resource	AWS::APS::Scraper resource type added.	March 15, 2024

New resource	AWS::CodeArtifact: :PackageGroup resource type added.	March 12, 2024
New resource	AWS::QBusiness::Ap plication resource type added.	March 5, 2024
New resource	AWS::Lambda::Alias resource type added.	February 28, 2024
New resource	AWS::BCMDataExport s::Export resource type added.	February 26, 2024
New resource	AWS::ControlTower: :EnabledBaseline resource type added.	February 14, 2024
New resource	AWS::GuardDuty::Ma ster resource type added.	February 6, 2024
New resource	AWS::CodeConnectio ns::Connection resource type added.	February 5, 2024
New resource	AWS::RDS::Integrat ion resource type added.	January 26, 2024
New resource	AWS::InspectorV2:: CisScanConfigurati on resource type added.	January 25, 2024
New resource	AWS::EC2::TransitG atewayRouteTablePr opagation resource type added.	January 18, 2024

New resource	AWS::AppConfig::Application resource type added.	January 17, 2024
New resource	AWS::AppConfig::ConfigurationProfile resource type added.	January 17, 2024
New resource	AWS::AppConfig::HostedConfigurationVersion resource type added.	January 17, 2024
New resource	AWS::EC2::TransitGatewayRoute resource type added.	January 16, 2024
New resource	AWS::EC2::TransitGatewayRouteTableAssociation resource type added.	January 16, 2024
New resource	AWS::GlobalAccelerator::CrossAccountAttachment resource type added.	January 16, 2024
New resource	AWS::DataZone::EnvironmentBlueprintConfiguration resource type added.	January 12, 2024
New resource	AWS::IVS::Stage resource type added.	January 8, 2024
New resource	AWS::DataZone::Environment resource type added.	January 2, 2024

New resource	AWS::DataZone::DataSource resource type added.	January 1, 2024
New resource	AWS::DataZone::SubscriptionTarget resource type added.	January 1, 2024
New resource	AWS::Location::APIKey resource type added.	December 29, 2023
New resource	AWS::DataZone::EnvironmentProfile resource type added.	December 28, 2023
New resource	AWS::DataZone::Project resource type added.	December 26, 2023
New resource	AWS::DataZone::Domain resource type added.	December 21, 2023
New resource	AWS::ImageBuilder::Workflow resource type added.	December 14, 2023
New resource	AWS::Connect::PredefinedAttribute resource type added.	December 13, 2023
New resource	AWS::EC2::SnapshotBlockPublicAccess resource type added.	December 13, 2023
New resource	AWS::B2BI::Capability resource type added.	December 10, 2023
New resource	AWS::B2BI::Partnership resource type added.	December 10, 2023

New resource	AWS::B2BI::Transfer resource type added.	December 10, 2023
New resource	AWS::B2BI::Profile resource type added.	December 7, 2023
New resource	AWS::CloudFront::KeyStore resource type added.	December 7, 2023
New resource	AWS::ControlTower::LandingZone resource type added.	November 24, 2023
New resource	AWS::S3::AccessGrant resource type added.	November 22, 2023
New resource	AWS::S3::AccessGrantsInstance resource type added.	November 22, 2023
New resource	AWS::S3::AccessGrantsLocation resource type added.	November 22, 2023
New resource	AWS::AppConfig::Environment resource type added.	November 19, 2023
New resource	AWS::FIS::TargetAccountConfiguration resource type added.	November 19, 2023
New resource	AWS::SageMaker::InferenceComponent resource type added.	November 18, 2023

New resource	AWS::ElastiCache::ServerlessCache resource type added.	November 17, 2023
New resource	AWS::Lambda::EventInvokeConfig resource type added.	November 16, 2023
New resource	AWS::EKS::PodIdentityAssociation resource type added.	November 15, 2023
New resource	AWS::NeptuneGraph::Graph resource type added.	November 11, 2023
New resource	AWS::NeptuneGraph::PrivateGraphEndpoint resource type added.	November 11, 2023
New resource	AWS::DMS::DataProvider resource type added.	November 10, 2023
New resource	AWS::DMS::InstanceProfile resource type added.	November 10, 2023
New resource	AWS::DMS::MigrationProject resource type added.	November 10, 2023
New resource	AWS::Logs::LogAnomalyDetector resource type added.	November 10, 2023
New resource	AWS::ApplicationAutoScaling::ScalingPolicy resource type added.	November 9, 2023

New resource	AWS::CodeBuild::Fl eet resource type added.	November 9, 2023
New resource	AWS::ElasticLoadBa lancingV2::TrustSt ore resource type added.	November 9, 2023
New resource	AWS::ElasticLoadBa lancingV2::TrustSt oreRevocation resource type added.	November 9, 2023
New resource	AWS::OpenSearchSer verless::Lifecycle Policy resource type added.	November 9, 2023
New resource	AWS::WorkSpacesThi nClient::Environme nt resource type added.	November 9, 2023
New resource	AWS::GameLift::Gam eSessionQueue resource type added.	November 8, 2023
New resource	AWS::GameLift::Mat chmakingConfigurat ion resource type added.	November 8, 2023
New resource	AWS::GameLift::Mat chmakingRuleSet resource type added.	November 8, 2023
New resource	AWS::GameLift::Scr ipt resource type added.	November 8, 2023
New resource	AWS::Backup::Resto reTestingPlan resource type added.	November 7, 2023

New resource	AWS::Backup::RestoreTestingSelection resource type added.	November 7, 2023
New resource	AWS::EC2::Instance resource type added.	November 7, 2023
New resource	AWS::MediaLive::Multitplex resource type added.	November 3, 2023
New resource	AWS::MediaLive::Multitplexprogram resource type added.	November 3, 2023
New resource	AWS::ARCZonalShift::ZonalAutoshiftConfiguration resource type added.	November 1, 2023
New resource	AWS::CodeStarConnections::RepositoryLink resource type added.	October 31, 2023
New resource	AWS::CodeStarConnections::SyncConfiguration resource type added.	October 31, 2023
New resource	AWS::ImageBuilder::LifecyclePolicy resource type added.	October 27, 2023
New resource	AWS::S3::StorageLensGroup resource type added.	October 27, 2023

New resource	AWS::IoT::CertificateProvider resource type added.	October 26, 2023
New resource	AWS::Logs::Delivery resource type added.	October 26, 2023
New resource	AWS::Logs::DeliveryDestination resource type added.	October 26, 2023
New resource	AWS::Logs::DeliverySource resource type added.	October 26, 2023
New resource	AWS::GuardDuty::Member resource type added.	October 19, 2023
New resource	AWS::EntityResolution::IdMappingWorkflow resource type added.	October 14, 2023
New resource	AWS::Cognito::UserPoolRiskConfigurationAttachment resource type added.	October 12, 2023
New resource	AWS::IAM::User resource type added.	October 12, 2023
New resource	AWS::GuardDuty::IPSet resource type added.	October 9, 2023
New resource	AWS::GuardDuty::ThreatIntelSet resource type added.	October 9, 2023
New resource	AWS::GuardDuty::Filter resource type added.	October 5, 2023

New resource	AWS::MSK::Replicator resource type added.	October 5, 2023
New resource	AWS::IAM::Group resource type added.	October 3, 2023
New resource	AWS::IoT::Software Package resource type added.	October 2, 2023
New resource	AWS::IoT::Software PackageVersion resource type added.	October 2, 2023
New resource	AWS::EC2::Security GroupIngress resource type added.	September 28, 2023
New resource	AWS::AppSync::Func tionConfiguration resource type added.	September 22, 2023
New resource	AWS::EC2::Security GroupEgress resource type added.	September 16, 2023
New resource	AWS::HealthImaging ::Datastore resource type added.	September 12, 2023
New resource	AWS::S3Express::Bu cketPolicy resource type added.	September 7, 2023
New resource	AWS::S3Express::Di rectoryBucket resource type added.	September 7, 2023

New resource	AWS::Connect::SecurityProfile resource type added.	September 1, 2023
New resource	AWS::Cognito::LogDeliveryConfiguration resource type added.	August 31, 2023
New resource	AWS::EntityResolution::MatchingWorkflow resource type added.	August 23, 2023
New resource	AWS::CleanRooms::AnalysisTemplate resource type added.	August 19, 2023
New resource	AWS::WorkSpacesWeb::BrowserSettings resource type added.	August 18, 2023
New resource	AWS::WorkSpacesWeb::IdentityProvider resource type added.	August 18, 2023
New resource	AWS::WorkSpacesWeb::IpAccessSettings resource type added.	August 18, 2023
New resource	AWS::WorkSpacesWeb::NetworkSettings resource type added.	August 18, 2023
New resource	AWS::WorkSpacesWeb::Portal resource type added.	August 18, 2023
New resource	AWS::WorkSpacesWeb::TrustStore resource type added.	August 18, 2023

New resource	AWS::WorkSpacesWeb::UserAccessLoggingSettings resource type added.	August 18, 2023
New resource	AWS::WorkSpacesWeb::UserSettings resource type added.	August 18, 2023
New resource	AWS::Events::EventBus resource type added.	August 16, 2023
New resource	AWS::EntityResolution::SchemaMapping resource type added.	August 15, 2023
New resource	AWS::EMR::WALWorkspace resource type added.	August 12, 2023
New resource	AWS::Connect::View resource type added.	August 10, 2023
New resource	AWS::Connect::ViewVersion resource type added.	August 10, 2023
New resource	AWS::MediaPackageV2::Channel resource type added.	August 10, 2023
New resource	AWS::MediaPackageV2::ChannelGroup resource type added.	August 10, 2023
New resource	AWS::MediaPackageV2::ChannelPolicy resource type added.	August 10, 2023

New resource	AWS::MediaPackageV2::OriginEndpoint resource type added.	August 10, 2023
New resource	AWS::MediaPackageV2::OriginEndpointPolicy resource type added.	August 10, 2023
New resource	AWS::Cognito::UserPoolUserToGroupAttachment resource type added.	August 8, 2023
New resource	AWS::Cognito::IdentityPool resource type added.	August 7, 2023
New resource	AWS::Cognito::IdentityPoolRoleAttachment resource type added.	August 7, 2023
New resource	AWS::Cognito::UserPool resource type added.	July 31, 2023
New resource	AWS::Cognito::UserPoolClient resource type added.	July 31, 2023
New resource	AWS::Cognito::UserPoolGroup resource type added.	July 31, 2023
New resource	AWS::Cognito::UserPoolUser resource type added.	July 31, 2023

New resource	AWS::NetworkFirewall::TLSInspectionConfiguration resource type added.	July 27, 2023
New resource	AWS::EC2::VPCGatewayAttachment resource type added.	July 24, 2023
New resource	AWS::PCAConnectord::Connector resource type added.	July 19, 2023
New resource	AWS::PCAConnectord::DirectoryRegistration resource type added.	July 19, 2023
New resource	AWS::PCAConnectord::ServicePrincipalName resource type added.	July 19, 2023
New resource	AWS::PCAConnectord::Template resource type added.	July 19, 2023
New resource	AWS::PCAConnectord::TemplateGroupAccessControlEntry resource type added.	July 19, 2023
New resource	AWS::EC2::VPCEndpointConnectionNotification resource type added.	July 17, 2023

New resource	AWS::SQS::QueueInlinePolicy resource type added.	July 17, 2023
New resource	AWS::MediaTailor::Channel resource type added.	July 14, 2023
New resource	AWS::MediaTailor::ChannelPolicy resource type added.	July 14, 2023
New resource	AWS::MediaTailor::LiveSource resource type added.	July 14, 2023
New resource	AWS::MediaTailor::SourceLocation resource type added.	July 14, 2023
New resource	AWS::MediaTailor::VodSource resource type added.	July 14, 2023
New resource	AWS::DMS::ReplicationConfig resource type added.	July 6, 2023
New resource	AWS::EC2::Route resource type added.	July 6, 2023
New resource	AWS::Connect::RoutingProfile resource type added.	June 30, 2023
New resource	AWS::SNS::TopicInlinePolicy resource type added.	June 29, 2023

New resource	AWS::Connect::Queue resource type added.	June 28, 2023
New resource	AWS::AppStream::AppBlockBuilder resource type added.	June 26, 2023
New resource	AWS::Logs::AccountPolicy resource type added.	June 26, 2023
New resource	AWS::EC2::VPCCidrBlock resource type added.	June 23, 2023
New resource	AWS::AppRunner::AutoScalingConfiguration resource type added.	June 21, 2023
New resource	AWS::AppSync::Resolver resource type added.	June 21, 2023
New resource	AWS::EC2::InstanceConnectEndpoint resource type added.	June 21, 2023
New resource	AWS::CloudFormation::Stack resource type added.	June 19, 2023
New resource	AWS::Config::ConfigRule resource type added.	June 16, 2023
New resource	AWS::IAM::UserPolicy resource type added.	June 13, 2023
New resource	AWS::Events::Rule resource type added.	June 12, 2023

New resource	AWS::VerifiedPermissions::IdentitySource resource type added.	June 11, 2023
New resource	AWS::VerifiedPermissions::Policy resource type added.	June 11, 2023
New resource	AWS::VerifiedPermissions::PolicyStore resource type added.	June 11, 2023
New resource	AWS::VerifiedPermissions::PolicyTemplate resource type added.	June 11, 2023
New resource	AWS::EC2::TransitGatewayRouteTable resource type added.	June 7, 2023
New resource	AWS::SecurityHub::AutomationRule resource type added.	June 6, 2023
New resource	AWS::IAM::GroupPolicy resource type added.	June 5, 2023
New resource	AWS::IAM::RolePolicy resource type added.	June 5, 2023
New resource	AWS::MediaConnect::Bridge resource type added.	June 5, 2023
New resource	AWS::MediaConnect::BridgeOutput resource type added.	June 5, 2023

New resource	AWS::MediaConnect: :BridgeSource resource type added.	June 5, 2023
New resource	AWS::MediaConnect: :Gateway resource type added.	June 5, 2023
New resource	AWS::SecurityHub:: Standard resource type added.	June 5, 2023
New resource	AWS::StepFunctions ::StateMachineAlias resource type added.	June 4, 2023
New resource	AWS::StepFunctions ::StateMachineVers ion resource type added.	June 4, 2023
New resource	AWS::CustomerProfi les::EventStream resource type added.	June 2, 2023
New resource	AWS::Athena::Capac ityReservation resource type added.	May 31, 2023
New resource	AWS::CleanRooms::C ollaboration resource type added.	May 26, 2023
New resource	AWS::CleanRooms::C onfiguredTable resource type added.	May 26, 2023

New resource	AWS::CleanRooms::ConfiguredTableAssociation resource type added.	May 26, 2023
New resource	AWS::CleanRooms::Membership resource type added.	May 26, 2023
New resource	AWS::AppIntegrations::Application resource type added.	May 25, 2023
New resource	AWS::Connect::TrafficDistributionGroup resource type added.	May 23, 2023
New resource	AWS::EC2::EIPAssociation resource type added.	May 23, 2023
New resource	AWS::EC2::NetworkInterfaceAttachment resource type added.	May 22, 2023
New resource	AWS::RDS::CustomDBEngineVersion resource type added.	May 19, 2023
New resource	AWS::EC2::VolumeAttachment resource type added.	May 18, 2023
New resource	AWS::Organizations::Organization resource type added.	May 16, 2023
New resource	AWS::SecurityHub::Hub resource type added.	May 16, 2023

New resource	AWS::AppSync::SourceApiAssociation resource type added.	May 14, 2023
New resource	AWS::Shield::DRTAccess resource type added.	May 11, 2023
New resource	AWS::Shield::ProactiveEngagement resource type added.	May 11, 2023
New resource	AWS::Shield::Protection resource type added.	May 11, 2023
New resource	AWS::Shield::ProtectionGroup resource type added.	May 11, 2023
New resource	AWS::EKS::AccessEntry resource type added.	May 10, 2023
New resource	AWS::Cognito::IdentityPoolPrincipalTag resource type added.	May 8, 2023
New resource	AWS::CustomerProfiles::CalculatedAttributeDefinition resource type added.	May 8, 2023
New resource	AWS::Connect::Prompt resource type added.	May 3, 2023
New resource	AWS::Proton::EnvironmentAccountConnection resource type added.	May 1, 2023

New resource	AWS::Proton::EnvironmentTemplate resource type added.	May 1, 2023
New resource	AWS::Proton::ServiceTemplate resource type added.	May 1, 2023
New resource	AWS::Detective::OrganizationAdmin resource type added.	April 29, 2023
New resource	AWS::Comprehend::DocumentClassifier resource type added.	April 21, 2023
New resource	AWS::OSIS::Pipeline resource type added.	April 21, 2023
New resource	AWS::IAM::ManagedPolicy resource type added.	April 17, 2023
New resource	AWS::BackupGateway::Hypervisor resource type added.	April 16, 2023
New resource	AWS::EC2::VerifiedAccessEndpoint resource type added.	April 16, 2023
New resource	AWS::Lambda::LayerVersionPermission resource type added.	April 15, 2023
New resource	AWS::Connect::EvaluationForm resource type added.	April 12, 2023

New resource	AWS::FraudDetector::List resource type added.	April 12, 2023
New resource	AWS::IAM::ServiceLinkedRole resource type added.	April 12, 2023
New resource	AWS::DataSync::StorageSystem resource type added.	April 11, 2023
New resource	AWS::GameLift::Build resource type added.	April 10, 2023
New resource	AWS::EC2::LaunchTemplate resource type added.	April 4, 2023
New resource	AWS::DataSync::LocationAzureBlob resource type added.	March 30, 2023
New resource	AWS::EC2::VerifiedAccessGroup resource type added.	March 30, 2023
New resource	AWS::EC2::VerifiedAccessInstance resource type added.	March 30, 2023
New resource	AWS::EC2::VerifiedAccessTrustProvider resource type added.	March 30, 2023
New resource	AWS::QuickSight::VPCConnection resource type added.	March 29, 2023

New resource	AWS::GuardDuty::Detector resource type added.	March 28, 2023
New resource	AWS::IoTWireless::WirelessDeviceImportTask resource type added.	March 28, 2023
New resource	AWS::QuickSight::Topic resource type added.	March 28, 2023
New resource	AWS::AppConfig::Extension resource type added.	March 27, 2023
New resource	AWS::AppConfig::ExtensionAssociation resource type added.	March 27, 2023
New resource	AWS::RAM::Permission resource type added.	March 27, 2023
New resource	AWS::DevOpsGuru::LogAnomalyDetectionIntegration resource type added.	March 22, 2023
New resource	AWS::SSMContacts::Plan resource type added.	March 16, 2023
New resource	AWS::SSMContacts::Rotation resource type added.	March 16, 2023
New resource	AWS::SageMaker::InferenceExperiment resource type added.	March 9, 2023

New resource	AWS::ApiGatewayV2: :IntegrationRespon se resource type added.	March 7, 2023
New resource	AWS::VpcLattice::A ccessLogSubscripti on resource type added.	March 7, 2023
New resource	AWS::VpcLattice::A uthPolicy resource type added.	March 7, 2023
New resource	AWS::VpcLattice::L istener resource type added.	March 7, 2023
New resource	AWS::VpcLattice::R esourcePolicy resource type added.	March 7, 2023
New resource	AWS::VpcLattice::R ule resource type added.	March 7, 2023
New resource	AWS::VpcLattice::S ervice resource type added.	March 7, 2023
New resource	AWS::VpcLattice::S erviceNetwork resource type added.	March 7, 2023
New resource	AWS::VpcLattice::S erviceNetworkServi ceAssociation resource type added.	March 7, 2023

New resource	AWS::VpcLattice::ServiceNetworkVpcAssociation resource type added.	March 7, 2023
New resource	AWS::VpcLattice::TargetGroup resource type added.	March 7, 2023
New resource	AWS::AutoScaling::AutoScalingGroup resource type added.	March 3, 2023
New resource	AWS::Neptune::DBCluster resource type added.	March 3, 2023
New resource	AWS::ManagedBlockchain::Accessor resource type added.	February 21, 2023
New resource	AWS::ApiGatewayV2::Route resource type added.	February 10, 2023
New resource	AWS::Comprehend::Flywheel resource type added.	February 10, 2023
New resource	AWS::EC2::VPCEndpointServicePermissions resource type added.	February 2, 2023
New resource	AWS::EC2::IPAMResourceDiscoveryAssociation resource type added.	February 1, 2023

New resource	AWS::InternetMonit or::Monitor resource type added.	January 31, 2023
New resource	AWS::FMS::Resource Set resource type added.	January 30, 2023
New resource	AWS::SageMaker::Mo delCard resource type added.	January 28, 2023
New resource	AWS::EC2::IPAMReso urceDiscovery resource type added.	January 25, 2023
New resource	AWS::Omics::Annota tionStore resource type added.	January 25, 2023
New resource	AWS::Omics::Refere nceStore resource type added.	January 25, 2023
New resource	AWS::Omics::RunGroup resource type added.	January 25, 2023
New resource	AWS::Omics::Sequen ceStore resource type added.	January 25, 2023
New resource	AWS::Omics::Varian tStore resource type added.	January 25, 2023
New resource	AWS::Omics::Workflow resource type added.	January 25, 2023

New resource	AWS::ApiGateway::VpcLink resource type added.	January 24, 2023
New resource	AWS::CloudTrail::ResourcePolicy resource type added.	January 23, 2023
New resource	AWS::IVSChat::LoggingConfiguration resource type added.	January 23, 2023
New resource	AWS::IVSChat::Room resource type added.	January 23, 2023
New resource	AWS::EC2::IPAMPoolCidr resource type added.	January 22, 2023
New resource	AWS::ApiGatewayV2::RouteResponse resource type added.	January 20, 2023
New resource	AWS::SageMaker::Space resource type added.	January 20, 2023
New resource	AWS::SimSpaceWeaver::Simulation resource type added.	January 16, 2023
New resource	AWS::Connect::ApprovedOrigin resource type added.	January 14, 2023
New resource	AWS::Connect::IntegrationAssociation resource type added.	January 14, 2023

New resource	AWS::Connect::SecurityKey resource type added.	January 14, 2023
New resource	AWS::QuickSight::RefreshSchedule resource type added.	January 13, 2023
New resource	AWS::SystemsManagerSAP::Application resource type added.	January 11, 2023
New resource	AWS::KendraRanking::ExecutionPlan resource type added.	December 27, 2022
New resource	AWS::Organizations::ResourcePolicy resource type added.	December 22, 2022
New resource	AWS::Grafana::Workspace resource type added.	December 8, 2022
New resource	AWS::MSK::ClusterPolicy resource type added.	December 8, 2022
New resource	AWS::MSK::VpcConnection resource type added.	December 8, 2022
New resource	AWS::CodePipeline::CustomActionType resource type added.	December 5, 2022
New resource	AWS::IoT TwinMaker::SyncJob resource type added.	December 4, 2022

New resource	AWS::DocDBElastic: :Cluster resource type added.	December 2, 2022
New resource	AWS::OpenSearchSer verless::AccessPol icy resource type added.	November 26, 2022
New resource	AWS::OpenSearchSer verless::Collection resource type added.	November 26, 2022
New resource	AWS::OpenSearchSer verless::SecurityC onfig resource type added.	November 26, 2022
New resource	AWS::OpenSearchSer verless::SecurityP olicy resource type added.	November 26, 2022
New resource	AWS::OpenSearchSer verless::VpcEndpoi nt resource type added.	November 26, 2022
New resource	AWS::Pipes::Pipe resource type added.	November 24, 2022
New resource	AWS::GameLift::Loc ation resource type added.	November 20, 2022
New resource	AWS::Connect::Rule resource type added.	November 19, 2022
New resource	AWS::Logs::LogStream resource type added.	November 17, 2022
New resource	AWS::Logs::LogStream resource type added.	November 17, 2022

New resource	AWS::EC2::VPCEndpointService resource type added.	November 16, 2022
New resource	AWS::ElasticBeanstalk::ConfigurationTemplate resource type added.	November 15, 2022
New resource	AWS::IoT::BillingGroup resource type added.	November 10, 2022
New resource	AWS::IoT::Thing resource type added.	November 10, 2022
New resource	AWS::IoT::ThingGroup resource type added.	November 10, 2022
New resource	AWS::IoT::ThingType resource type added.	November 10, 2022
New resource	AWS::EC2::NetworkPerformanceMetricSubscriptions resource type added.	November 9, 2022
New resource	AWS::CloudTrail::Channel resource type added.	November 8, 2022
New resource	AWS::Logs::SubscriptionFilter resource type added.	November 4, 2022
New resource	AWS::Scheduler::Schedule resource type added.	November 4, 2022

New resource	AWS::Scheduler::ScheduleGroup resource type added.	November 4, 2022
New resource	AWS::SES::VdmAttributes resource type added.	November 2, 2022
New resource	AWS::EC2::VPNConnectionRoute resource type added.	November 1, 2022
New resource	AWS::AppRunner::VpcIngressConnection resource type added.	October 27, 2022
New resource	AWS::Chatbot::MicrosoftTeamsChannelConfiguration resource type added.	October 27, 2022
New resource	AWS::SSM::ResourcePolicy resource type added.	October 25, 2022
New resource	AWS::ApiGatewayV2::Deployment resource type added.	October 13, 2022
New resource	AWS::SupportApp::StackWorkspaceConfiguration resource type added.	October 11, 2022
New resource	AWS::ResourceExplorer2::DefaultViewAssociation resource type added.	October 9, 2022

New resource	AWS::ResourceExplorer2::View resource type added.	October 9, 2022
New resource	AWS::DirectoryService::SimpleAD resource type added.	October 6, 2022
New resource	AWS::DataPipeline::Pipeline resource type added.	September 26, 2022
New resource	AWS::Organizations::Account resource type added.	September 26, 2022
New resource	AWS::ResourceExplorer2::Index resource type added.	September 26, 2022
New resource	AWS::Transfer::Agreement resource type added.	September 19, 2022
New resource	AWS::Transfer::Certificate resource type added.	September 19, 2022
New resource	AWS::Transfer::Connector resource type added.	September 19, 2022
New resource	AWS::Transfer::Profile resource type added.	September 19, 2022
New resource	AWS::AmplifyUIBuilder::Form resource type added.	September 13, 2022

New resource	AWS::CodeDeploy::Application resource type added.	September 6, 2022
New resource	AWS::CodeDeploy::DeploymentConfig resource type added.	September 6, 2022
New resource	AWS::FSx::DataRepositoryAssociation resource type added.	August 31, 2022
New resource	AWS::Oam::Sink resource type added.	August 29, 2022
New resource	AWS::M2::Application resource type added.	August 25, 2022
New resource	AWS::M2::Environment resource type added.	August 25, 2022
New resource	AWS::CloudFront::OriginAccessControl resource type added.	August 24, 2022
New resource	AWS::ElastiCache::ParameterGroup resource type added.	August 23, 2022
New resource	AWS::ElastiCache::SubnetGroup resource type added.	August 23, 2022
New resource	AWS::Macie::AllowList resource type added.	August 23, 2022
New resource	AWS::ApiGatewayV2::ApiMapping resource type added.	August 17, 2022

New resource	AWS::ApiGatewayV2: :Authorizer resource type added.	August 17, 2022
New resource	AWS::IoT FleetWise: :Campaign resource type added.	August 16, 2022
New resource	AWS::IoT FleetWise: :DecoderManifest resource type added.	August 16, 2022
New resource	AWS::IoT FleetWise: :Fleet resource type added.	August 16, 2022
New resource	AWS::IoT FleetWise: :ModelManifest resource type added.	August 16, 2022
New resource	AWS::IoT FleetWise: :SignalCatalog resource type added.	August 16, 2022
New resource	AWS::IoT FleetWise: :Vehicle resource type added.	August 16, 2022
New resource	AWS::NetworkManage r::TransitGatewayP eering resource type added.	August 16, 2022
New resource	AWS::NetworkManage r::TransitGatewayR outeTableAttachment resource type added.	August 16, 2022

New resource	AWS::Oam::Link resource type added.	August 11, 2022
New resource	AWS::EMR::SecurityConfiguration resource type added.	August 2, 2022
New resource	AWS::EC2::VPNConnection resource type added.	July 28, 2022
New resource	AWS::CloudFront::MonitoringSubscription resource type added.	July 21, 2022
New resource	AWS::MSK::ServerlessCluster resource type added.	July 15, 2022
New resource	AWS::Evidently::Segment resource type added.	July 14, 2022
New resource	AWS::ApplicationAutoScaling::ScalableTarget resource type added.	July 13, 2022
New resource	AWS::EC2::EIP resource type added.	July 12, 2022
New resource	AWS::Synthetics::Group resource type added.	July 7, 2022
New resource	AWS::ElasticBeanstalk::Application resource type added.	July 1, 2022
New resource	AWS::ElasticBeanstalk::Environment resource type added.	July 1, 2022

New resource	AWS::AppFlow::Connector resource type added.	June 23, 2022
New resource	AWS::RolesAnywhere::CRL resource type added.	June 20, 2022
New resource	AWS::RolesAnywhere::Profile resource type added.	June 20, 2022
New resource	AWS::RolesAnywhere::TrustAnchor resource type added.	June 20, 2022
New resource	AWS::AppStream::DirectoryConfig resource type added.	June 19, 2022
New resource	AWS::AppStream::ImageBuilder resource type added.	June 19, 2022
New resource	AWS::ApiGatewayV2::Api resource type added.	June 18, 2022
New resource	AWS::ApiGatewayV2::DomainName resource type added.	June 18, 2022
New resource	AWS::RedshiftServerless::Workgroup resource type added.	June 17, 2022
New resource	AWS::LakeFormation::PrincipalPermissions resource type added.	June 16, 2022

New resource	AWS::ControlTower: :EnabledControl resource type added.	June 13, 2022
New resource	AWS::Route53Resolv er::OutpostResolver resource type added.	June 10, 2022
New resource	AWS::AutoScaling:: ScheduledAction resource type added.	June 9, 2022
New resource	AWS::SES::Dedicate dIpPool resource type added.	June 7, 2022
New resource	AWS::SES::EmailIde ntity resource type added.	June 7, 2022
New resource	AWS::ApiGatewayV2: :Model resource type added.	June 6, 2022
New resource	AWS::ApiGatewayV2: :VpcLink resource type added.	June 6, 2022
New resource	AWS::DataSync::Loc ationFSxONTAP resource type added.	June 6, 2022
New resource	AWS::IdentityStore ::Group resource type added.	May 28, 2022
New resource	AWS::IdentityStore ::GroupMembership resource type added.	May 28, 2022

New resource	AWS::Connect::TaskTemplate resource type added.	May 24, 2022
New resource	AWS::ElasticLoadBalancingV2::TargetGroup resource type added.	May 23, 2022
New resource	AWS::CloudTrail::EventDataStore resource type added.	May 17, 2022
New resource	AWS::ElasticBeanstalk::ApplicationVersion resource type added.	May 17, 2022
New resource	AWS::EMRServerless::Application resource type added.	May 16, 2022
New resource	AWS::EC2::CustomerGateway resource type added.	May 11, 2022
New resource	AWS::Route53::CidrCollection resource type added.	May 10, 2022
New resource	AWS::IoTWireless::NetworkAnalyzerConfiguration resource type added.	May 6, 2022
New resource	AWS::RedshiftServerless::Namespace resource type added.	May 6, 2022

New resource	AWS::LakeFormation::DataCellsFilter resource type added.	May 2, 2022
New resource	AWS::LakeFormation::Tag resource type added.	May 2, 2022
New resource	AWS::LakeFormation::TagAssociation resource type added.	May 2, 2022
New resource	AWS::SageMaker::ModelPackage resource type added.	April 21, 2022
New resource	AWS::AutoScaling::ScalingPolicy resource type added.	April 20, 2022
New resource	AWS::EC2::PlacementGroup resource type added.	April 20, 2022
New resource	AWS::EC2::VPNGateway resource type added.	April 19, 2022
New resource	AWS::Organizations::OrganizationalUnit resource type added.	April 15, 2022
New resource	AWS::Organizations::Policy resource type added.	April 15, 2022
New resource	AWS::KinesisAnalyticsV2::Application resource type added.	April 6, 2022

New resource	AWS::EC2::KeyPair resource type added.	April 5, 2022
New resource	AWS::AppRunner::ObservabilityConfiguration resource type added.	April 1, 2022
New resource	AWS::EC2::NatGateway resource type added.	March 29, 2022
New resource	AWS::Connect::Instance resource type added.	March 28, 2022
New resource	AWS::Connect::InstanceStorageConfig resource type added.	March 28, 2022
New resource	AWS::Rekognition::StreamProcessor resource type added.	March 16, 2022
New resource	AWS::DataSync::LocationFSxOpenZFS resource type added.	March 10, 2022
New resource	AWS::BillingConductor::CustomLineItem resource type added.	March 9, 2022
New resource	AWS::Connect::PhoneNumber resource type added.	March 9, 2022
New resource	AWS::MediaTailor::PlaybackConfiguration resource type added.	March 9, 2022

New resource	AWS::CloudFront::ContinuousDeploymentPolicy resource type added.	March 8, 2022
New resource	AWS::VoiceID::Domain resource type added.	March 3, 2022
New resource	AWS::XRay::ResourcePolicy resource type added.	February 25, 2022
New resource	AWS::BillingConductor::BillingGroup resource type added.	February 24, 2022
New resource	AWS::BillingConductor::PricingPlan resource type added.	February 24, 2022
New resource	AWS::BillingConductor::PricingRule resource type added.	February 24, 2022
New resource	AWS::Events::Endpoint resource type added.	February 21, 2022
New resource	AWS::NetworkManager::ConnectAttachment resource type added.	February 21, 2022
New resource	AWS::NetworkManager::ConnectPeer resource type added.	February 21, 2022
New resource	AWS::NetworkManager::CoreNetwork resource type added.	February 21, 2022

New resource	AWS::NetworkManager::SiteToSiteVpnAttachment resource type added.	February 21, 2022
New resource	AWS::NetworkManager::VpcAttachment resource type added.	February 21, 2022
New resource	AWS::Personalize::Dataset resource type added.	February 18, 2022
New resource	AWS::Personalize::DatasetGroup resource type added.	February 18, 2022
New resource	AWS::Personalize::Schema resource type added.	February 18, 2022
New resource	AWS::Personalize::Solution resource type added.	February 18, 2022
New resource	AWS::EC2::TransitGatewayAttachment resource type added.	February 17, 2022
New resource	AWS::ConnectCampaigns::Campaign resource type added.	February 11, 2022
New resource	AWS::Inspector::AssessmentTarget resource type added.	February 7, 2022

New resource	AWS::Inspector::AssessmentTemplate resource type added.	February 7, 2022
New resource	AWS::Inspector::ResourceGroup resource type added.	February 7, 2022
New resource	AWS::MSK::BatchScanSecret resource type added.	February 4, 2022
New resource	AWS::MSK::Configuration resource type added.	February 4, 2022
New resource	AWS::IAM::InstanceProfile resource type added.	February 3, 2022
New resource	AWS::DataSync::LocationFSxLustre resource type added.	January 27, 2022
New resource	AWS::EC2::CapacityReservation resource type added.	January 26, 2022
New resource	AWS::RDS::DBCluster resource type added.	January 25, 2022
New resource	AWS::Batch::ComputeEnvironment resource type added.	January 24, 2022
New resource	AWS::Batch::JobQueue resource type added.	January 24, 2022

New resource	AWS::AppIntegratio ns::DataIntegration resource type added.	January 19, 2022
New resource	AWS::AppRunner::Vp cConnector resource type added.	January 15, 2022
New resource	AWS::IoTtwinMaker: :ComponentType resource type added.	January 6, 2022
New resource	AWS::IoTtwinMaker: :Entity resource type added.	January 6, 2022
New resource	AWS::IoTtwinMaker: :Scene resource type added.	January 6, 2022
New resource	AWS::IoTtwinMaker: :Workspace resource type added.	January 6, 2022
New resource	AWS::Lightsail::Ce rtificate resource type added.	January 5, 2022
New resource	AWS::Lightsail::Co ntainer resource type added.	January 5, 2022
New resource	AWS::Lightsail::Di stribution resource type added.	January 5, 2022

New resource	AWS::AppStream::ApplicationEntitlementAssociation resource type added.	December 21, 2021
New resource	AWS::AppStream::Entitlement resource type added.	December 21, 2021
New resource	AWS::EKS::IdentityProviderConfig resource type added.	December 21, 2021
New resource	AWS::SecretsManager::Secret resource type added.	December 17, 2021
New resource	AWS::KinesisVideo::SignalingChannel resource type added.	December 13, 2021
New resource	AWS::KinesisVideo::Stream resource type added.	December 13, 2021
New resource	AWS::EC2::VPCPeeringConnection resource type added.	December 10, 2021
New resource	AWS::Forecast::Dataset resource type added.	December 10, 2021
New resource	AWS::Forecast::DatasetGroup resource type added.	December 10, 2021
New resource	AWS::IoTEvents::AlarmModel resource type added.	December 10, 2021

New resource	AWS::Lightsail::Al arm resource type added.	December 7, 2021
New resource	AWS::Lightsail::Bu cket resource type added.	December 7, 2021
New resource	AWS::Lightsail::Lo adBalancer resource type added.	December 7, 2021
New resource	AWS::Lightsail::Lo adBalancerTlsCerti ficate resource type added.	December 7, 2021
New resource	AWS::RDS::OptionGr oup resource type added.	December 4, 2021
New resource	AWS::KafkaConnect: :Connector resource type added.	December 3, 2021
New resource	AWS::InspectorV2:: Filter resource type added.	December 2, 2021
New resource	AWS::Rekognition:: Collection resource type added.	November 26, 2021
New resource	AWS::EC2::IPAM resource type added.	November 24, 2021
New resource	AWS::EC2::IPAMAllo cation resource type added.	November 24, 2021
New resource	AWS::EC2::IPAMPool resource type added.	November 24, 2021

New resource	AWS::EC2::IPAMScope resource type added.	November 24, 2021
New resource	AWS::AmplifyUIBuilder::Component resource type added.	November 23, 2021
New resource	AWS::AmplifyUIBuilder::Theme resource type added.	November 23, 2021
New resource	AWS::ECR::PullThroughCacheRule resource type added.	November 23, 2021
New resource	AWS::IoT::CACertificate resource type added.	November 23, 2021
New resource	AWS::IoT::RoleAlias resource type added.	November 23, 2021
New resource	AWS::Timestream::ScheduledQuery resource type added.	November 23, 2021
New resource	AWS::MSK::Cluster resource type added.	November 22, 2021
New resource	AWS::AppSync::DomainName resource type added.	November 19, 2021
New resource	AWS::AppSync::DomainNameApiAssociation resource type added.	November 19, 2021
New resource	AWS::RUM::AppMonitor resource type added.	November 19, 2021

New resource	AWS::EC2::NetworkInsightsAccessScopeAnalysis resource type added.	November 16, 2021
New resource	AWS::Lex::Bot resource type added.	November 16, 2021
New resource	AWS::Lex::BotAlias resource type added.	November 16, 2021
New resource	AWS::Lex::BotVersion resource type added.	November 16, 2021
New resource	AWS::Lex::ResourcePolicy resource type added.	November 16, 2021
New resource	AWS::EC2::LocalGatewayRouteTable resource type added.	November 14, 2021
New resource	AWS::EC2::LocalGatewayRouteTableVirtualInterfaceGroupAssociation resource type added.	November 14, 2021
New resource	AWS::DataBrew::RuleSet resource type added.	November 12, 2021
New resource	AWS::RefactorSpaces::Route resource type added.	November 11, 2021
New resource	AWS::RefactorSpaces::Service resource type added.	November 11, 2021

New resource	AWS::AppStream::AppBlock resource type added.	November 10, 2021
New resource	AWS::AppStream::Application resource type added.	November 10, 2021
New resource	AWS::AppStream::ApplicationFleetAssociation resource type added.	November 10, 2021
New resource	AWS::RDS::DBClusterParameterGroup resource type added.	November 10, 2021
New resource	AWS::RDS::DBInstance resource type added.	November 10, 2021
New resource	AWS::RDS::DBParameterGroup resource type added.	November 10, 2021
New resource	AWS::RDS::DBSubnetGroup resource type added.	November 10, 2021
New resource	AWS::RDS::EventSubscription resource type added.	November 10, 2021
New resource	AWS::Route53Resolver::ResolverRuleAssociation resource type added.	November 9, 2021
New resource	AWS::RefactorSpace::Application resource type added.	November 8, 2021

New resource	AWS::RefactorSpace::Environment resource type added.	November 8, 2021
New resource	AWS::Connect::ContactFlow resource type added.	November 7, 2021
New resource	AWS::Connect::ContactFlowModule resource type added.	November 7, 2021
New resource	AWS::Lambda::Url resource type added.	November 5, 2021
New resource	AWS::CloudFront::ResponseHeadersPolicy resource type added.	November 4, 2021
New resource	AWS::EC2::NetworkInsightsAccessScope resource type added.	November 4, 2021
New resource	AWS::SupportApp::AccountAlias resource type added.	November 3, 2021
New resource	AWS::SupportApp::SlackChannelConfiguration resource type added.	November 3, 2021
New resource	AWS::ResilienceHub::App resource type added.	November 2, 2021
New resource	AWS::ResilienceHub::ResiliencyPolicy resource type added.	November 2, 2021

New resource	AWS::EC2::Host resource type added.	November 1, 2021
New resource	AWS::Transfer::Workflow resource type added.	October 27, 2021
New resource	AWS::Evidently::Experiment resource type added.	October 25, 2021
New resource	AWS::Evidently::Feature resource type added.	October 25, 2021
New resource	AWS::Evidently::Launch resource type added.	October 25, 2021
New resource	AWS::Evidently::Project resource type added.	October 25, 2021
New resource	AWS::Redshift::EndpointAccess resource type added.	October 23, 2021
New resource	AWS::Redshift::EndpointAuthorization resource type added.	October 23, 2021
New resource	AWS::Redshift::EventSubscription resource type added.	October 23, 2021
New resource	AWS::Redshift::ScheduledAction resource type added.	October 23, 2021
New resource	AWS::EC2::SecurityGroup resource type added.	October 21, 2021

New resource	AWS::Pinpoint::InAppTemplate resource type added.	October 21, 2021
New resource	AWS::IoTWireless::FirmwareTask resource type added.	October 20, 2021
New resource	AWS::IoTWireless::MulticastGroup resource type added.	October 20, 2021
New resource	AWS::DataSync::LocationHDFS resource type added.	October 18, 2021
New resource	AWS::CloudFormation::HookDefaultVersion resource type added.	October 14, 2021
New resource	AWS::CloudFormation::HookTypeConfig resource type added.	October 14, 2021
New resource	AWS::CloudFormation::HookVersion resource type added.	October 14, 2021
New resource	AWS::Batch::SchedulingPolicy resource type added.	October 13, 2021
New resource	AWS::S3::BucketPolicy resource type added.	October 13, 2021
New resource	AWS::Lightsail::Database resource type added.	October 12, 2021

New resource	AWS::Lightsail::StaticIp resource type added.	October 12, 2021
New resource	AWS::ElasticLoadBalancingV2::LoadBalancer resource type added.	October 8, 2021
New resource	AWS::ApiGateway::Deployment resource type added.	October 5, 2021
New resource	AWS::Rekognition::Project resource type added.	October 1, 2021
New resource	AWS::IAM::Role resource type added.	September 30, 2021
Initial release	Initial release of the Cloud Control API User Guide	September 30, 2021