



User Guide

Cloud Control API



Cloud Control API: User Guide

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What is AWS Cloud Control API?

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

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

Related services

Similar to Cloud Control API, AWS 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 AWS CloudFormation. You can also centrally manage and provision stacks across multiple AWS accounts and AWS 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 [AWS 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 AWS Command Line Interface (AWS 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	AWS 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	AWS CLI command
CancelResourceRequest	cancel-resource-request
GetResourceRequestStatus	get-resource-request-status

API operation	AWS CLI command
ListResourceRequests	list-resource-requests

How Cloud Control API works

Cloud Control API provides you with centralized control over the resources in your AWS 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 AWS 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 AWS 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.

Amazon has published several hundred resource types representing offerings across AWS web services. Now, third-party publishers can make their own resource types available for use as well. Any resource type developed using the [AWS CloudFormation CLI](#) open-source tool is automatically supported by Cloud Control API.

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 AWS Lambda function in your AWS 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 AWS Cloud Control API

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

Topics

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

Sign up for AWS

If you do not have an AWS account, complete the following steps to create one.

To sign up for an AWS account

1. Open <https://portal.aws.amazon.com/billing/signup>.
2. Follow the online instructions.

Part of the sign-up procedure involves receiving a phone call and entering a verification code on the phone keypad.

When you sign up for an AWS account, an *AWS account root user* is created. The root user has access to all AWS services and resources in the account. As a security best practice, assign administrative access to a user, and use only the root user to perform [tasks that require root user access](#).

Create an IAM user

To create an administrator user, choose one of the following options.

Choose one way to manage your administrator	To	By	You can also
In IAM Identity Center (Recommended)	Use short-term credentials to access AWS. This aligns with the security best practices . For information about best practices , see Security best practices in IAM in the <i>IAM User Guide</i> .	Following the instructions in Getting started in the <i>AWS IAM Identity Center User Guide</i> .	Configure programmatic access by Configuring the AWS CLI to use AWS IAM Identity Center in the <i>AWS Command Line Interface User Guide</i> .
In IAM (Not recommended)	Use long-term credentials to access AWS.	Following the instructions in Creating your first IAM admin user and user group in the <i>IAM User Guide</i> .	Configure programmatic access by Managing access keys for IAM users in the <i>IAM User Guide</i> .

Getting started with Cloud Control API

Use this short tutorial to get started performing resource operations with AWS 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 AWS Command Line Interface (AWS 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 AWS 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 AWS 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 AWS account.

- In the AWS 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 AWS 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 AWS Cloud Control API

Cloud security at AWS is the highest priority. As an AWS 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 AWS and you. The [shared responsibility model](#) describes this as security of the cloud and security in the cloud:

- **Security of the cloud** – AWS is responsible for protecting the infrastructure that runs AWS services in the AWS Cloud. AWS 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 [AWS Compliance Programs](#). To learn about the compliance programs that apply to Cloud Control API, see [AWS Services in Scope by Compliance Program](#).
- **Security in the cloud** – Your responsibility is determined by the AWS 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.

AWS 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 *AWS CloudFormation User Guide* to help you understand how to apply the shared responsibility model when using AWS CloudFormation. You can also learn how to use other AWS services that help you to monitor and secure your AWS CloudFormation and Cloud Control API resources.

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

- For AWS 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 AWS Identity and Access Management](#) in the *AWS CloudFormation User Guide*.

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

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

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

You can establish a private connection between your virtual private cloud (VPC) and AWS Cloud Control API by creating an *interface VPC endpoint*. Interface endpoints are powered by [AWS PrivateLink](#), a technology that enables you to privately access Cloud Control API APIs without an internet gateway, NAT device, VPN connection, or AWS 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 \(AWS PrivateLink\)](#) 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 AWS Command Line Interface (AWS 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:

- `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 example, `cloudcontrolapi.us-east-1.amazonaws.com`.

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

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

Performing resource operations

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

Contents

- [Prerequisites for using resources with Cloud Control API](#)
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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 AWS account.

- **Resources available for use in your AWS account**

To be available for use in your account, public resource types must be activated, and private resource types must be registered. Supported AWS resource types are public and always activated. For more information, see [Using resource types](#).

- **Resources that support Cloud Control API**

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

Third-party resource types, both public and private, support Cloud Control API.

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 AWS resources on your behalf, Cloud Control API must make calls to the underlying AWS 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 AWS user credentials, and uses that to make any necessary calls to downstream AWS services. This session lasts up to 24 hours, after which any remaining calls to AWS 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 AWS 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 AWS CloudFormation service, the service role you specify is assumed by the CloudFormation service (`cloudformation.amazonaws.com`). For more information, see [AWS CloudFormation service role](#) in the *AWS 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 AWS Command Line Interface (AWS 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 AWS 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 AWS 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 AWS account and AWS 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 AWS 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:logs:us-west-2:123456789012:log-group:CloudControlExample:*"}'
  },
  {
    "Identifier": "AnotherLogGroupResourceExample",
    "Properties": '{"RetentionInDays":90, "LogGroupName":
"AnotherLogGroupResourceExample", "Arn": "arn:aws: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
<u>AWS::ApiGateway::DocumentationVersion</u>	RestApiId
<u>AWS::ApiGateway::Step</u>	RestApiId
<u>AWS::CloudFormation::ResourceVersion</u>	TypeArn or TypeName
<u>AWS::CustomerProfiles::Integration</u>	DomainName
<u>AWS::CustomerProfiles::ObjectType</u>	DomainName
<u>AWS::EC2::TransitGatewayMulticastGroupMember</u>	TransitGatewayMulticastDomainId
<u>AWS::EC2::TransitGatewayMulticastGroupSource</u>	TransitGatewayMulticastDomainId
<u>AWS::ECS::TaskSet</u>	Cluster, Service, and ID
<u>AWS::EKS::AddOn</u>	ClusterName
<u>AWS::EKS::FargateProfile</u>	ClusterName
<u>AWS::ElasticLoadBalancingV2::Listener</u>	LoadBalancerArn
<u>AWS::ElasticLoadBalancingV2::ListenerRule</u>	ListenerArn
<u>AWS::Glue::Attach::SchemaVersion</u>	<ul style="list-style-type: none"> SchemaDefinition , Schema/RegistryName , and Schema/SchemaName

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

To use a resource type with AWS Cloud Control API, that resource type must be present and activated in your AWS account. Supported AWS resource types are public and always activated. You can choose to activate public resource types offered by third-party publishers as well. You do this, and other resource type management tasks, through the AWS CloudFormation extension registry.

The *extension registry* is a feature of AWS CloudFormation that contains detailed information about the resource types available for use in your account. These can include resource types published by third-parties, in addition to those published by AWS. Using the registry, you can manage the resource types in your account, including:

- View the available and activated resource types.
- Register private resource types for use in your account.
- Activate public third-party resource types.
- Manage the resource type *versions*, including setting the default version of a resource type in your account.
- Set account-level configuration properties of a resource type, if it has any.

You can also use the AWS 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 *AWS CloudFormation User Guide*.

Managing resource types using the AWS CloudFormation API

In addition to accessing the extension registry through the AWS CloudFormation console, you can use operations included in the AWS 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, activate, and configure the resource types available in your account.

CloudFormation API operation	AWS CLI command	Description
DescribeType	describe-type	Returns detailed information about a resource type.
ListTypes	list-types	Returns summary information about a resource type.
ActivateType	activate-type	Activates a public third-party resource type, making it available for use in your account.
DeactivateType	deactivate-type	Deactivates a public third-party resource type in your account.
ListTypeVersions	list-type-versions	Returns summary information about the versions of a resource type.
SetTypeDefaultVersion	set-type-default-version	Specifies the default version of a resource type.

CloudFormation API operation	AWS CLI command	Description
BatchDescribeTypeConfigurations	batch-describe-type-configurations	Returns configuration data for the specified resource types.
SetTypeConfiguration	set-type-configuration	Specifies the configuration data for a resource type in your account.
RegisterType	register-type	Registers a private third-party resource, making it available for use in your account.
DeregisterType	deregister-type	Deregisters a private third-party resource, removing it from active use in your account.

Determining if a resource type supports Cloud Control API

By default, resource types published in the CloudFormation registry automatically support Cloud Control API resource operations. This includes private resource types, in addition to public third-party resource types. However, the AWS 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.

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

You can also use the AWS Command Line Interface (AWS 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 AWS 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 or `PRIVATE` for private 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 AWS 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 AWS CLI. In addition, the *AWS CloudFormation User Guide* contains reference topics for each available resource type that AWS publishes. For detailed information about resource type properties, in addition to

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

Note

Not all resource types listed in the *AWS 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 AWS CloudFormation console

1. Sign in to the AWS Management Console and open the AWS CloudFormation console at <https://console.aws.amazon.com/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 AWS 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 AWS that currently support AWS 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 *AWS CloudFormation User Guide*.

Third-party resource types, both public and private, support Cloud Control API.

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: June 28, 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
AWS::AmplifyUIBuilder::Component	Create	Read	Update	Delete	List
AWS::AmplifyUIBuilder::Form	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::AmplifyUIBuilder::Theme	Create	Read	Update	Delete	List
AWS::ApiGateway::Account	Create	Read	Update	Delete	
AWS::ApiGateway::ApiKey	Create	Read	Update	Delete	List
AWS::ApiGateway::Authorizer	Create	Read	Update	Delete	List
AWS::ApiGateway::BasePathMapping	Create	Read	Update	Delete	List
AWS::ApiGateway::ClientCertificate	Create	Read	Update	Delete	List
AWS::ApiGateway::Deployment	Create	Read	Update	Delete	List
AWS::ApiGateway::DocumentationPart	Create	Read	Update	Delete	List
AWS::ApiGateway::DocumentationVersion	Create	Read	Update	Delete	List
AWS::ApiGateway::DomainName	Create	Read	Update	Delete	List
AWS::ApiGateway::GatewayResponse	Create	Read	Update	Delete	List
AWS::ApiGateway::Method	Create	Read	Update	Delete	
AWS::ApiGateway::Model	Create	Read	Update	Delete	List
AWS::ApiGateway::RequestValidator	Create	Read	Update	Delete	List
AWS::ApiGateway::Resource	Create	Read	Update	Delete	List
AWS::ApiGateway::RestApi	Create	Read	Update	Delete	List
AWS::ApiGateway::Stage	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::ApiGateway::UsagePlan	Create	Read	Update	Delete	List
AWS::ApiGateway::UsagePlanKey	Create	Read		Delete	List
AWS::ApiGateway::VpcLink	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::Api	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::ApiMapping	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::Authorizer	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::Deployment	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::DomainName	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::IntegrationResponse	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::Model	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::Route	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::RouteResponse	Create	Read	Update	Delete	List
AWS::ApiGatewayV2::VpcLink	Create	Read	Update	Delete	List
AWS::AppConfig::Application	Create	Read	Update	Delete	List
AWS::AppConfig::ConfigurationProfile	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::AppConfig::Environment	Create	Read	Update	Delete	List
AWS::AppConfig::Extension	Create	Read	Update	Delete	List
AWS::AppConfig::ExtensionAssociation	Create	Read	Update	Delete	List
AWS::AppConfig::HostedConfigurationVersion	Create	Read		Delete	List
AWS::AppFlow::Connector	Create	Read	Update	Delete	List
AWS::AppFlow::ConnectorProfile	Create	Read	Update	Delete	List
AWS::AppFlow::Flow	Create	Read	Update	Delete	List
AWS::AppIntegrations::Application	Create	Read	Update	Delete	List
AWS::AppIntegrations::DataIntegration	Create	Read	Update	Delete	List
AWS::AppIntegrations::EventIntegration	Create	Read	Update	Delete	List
AWS::ApplicationAutoScaling::ScalableTarget	Create	Read	Update	Delete	List
AWS::ApplicationAutoScaling::ScalingPolicy	Create	Read	Update	Delete	List
AWS::ApplicationInsights::Application	Create	Read	Update	Delete	List
AWS::ApplicationSignals::ServiceLevelObjective	Create	Read	Update	Delete	List

Resource	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
AWS::AppSync::DomainName	Create	Read	Update	Delete	List
AWS::AppSync::DomainNameApiAssociation	Create	Read	Update	Delete	

Resource	Create	Read	Update	Delete	List
<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
<u>AWS::AuditManager::Assessment</u>	Create	Read	Update	Delete	List
<u>AWS::AutoScaling::AutoScalingGroup</u>	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::AutoScaling::LaunchConfiguration	Create	Read		Delete	List
AWS::AutoScaling::LifecycleHook	Create	Read	Update	Delete	List
AWS::AutoScaling::ScalingPolicy	Create	Read	Update	Delete	List
AWS::AutoScaling::ScheduledAction	Create	Read	Update	Delete	List
AWS::AutoScaling::WarmPool	Create	Read	Update	Delete	
AWS::B2BI::Capability	Create	Read	Update	Delete	List
AWS::B2BI::Partnership	Create	Read	Update	Delete	List
AWS::B2BI::Profile	Create	Read	Update	Delete	List
AWS::B2BI::Transformer	Create	Read	Update	Delete	List
AWS::Backup::BackupPlan	Create	Read	Update	Delete	List
AWS::Backup::BackupSelection	Create	Read		Delete	List
AWS::Backup::BackupVault	Create	Read	Update	Delete	List
AWS::Backup::Framework	Create	Read	Update	Delete	List
AWS::Backup::ReportPlan	Create	Read	Update	Delete	List
AWS::Backup::RestoreTestingPlan	Create	Read	Update	Delete	List
AWS::Backup::RestoreTestingSelection	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::BackupGateway::Hypervisor	Create	Read	Update	Delete	List
AWS::Batch::ComputeEnvironment	Create	Read	Update	Delete	List
AWS::Batch::JobQueue	Create	Read	Update	Delete	List
AWS::Batch::SchedulingPolicy	Create	Read	Update	Delete	List
AWS::BCMDataExports::Export	Create	Read	Update	Delete	List
AWS::Bedrock::Agent	Create	Read	Update	Delete	List
AWS::Bedrock::AgentAlias	Create	Read	Update	Delete	List
AWS::Bedrock::DataSource	Create	Read	Update	Delete	List
AWS::Bedrock::Guardrail	Create	Read	Update	Delete	List
AWS::Bedrock::GuardrailVersion	Create	Read		Delete	
AWS::Bedrock::KnowledgeBase	Create	Read	Update	Delete	List
AWS::BillingConductor::BillingGroup	Create	Read	Update	Delete	List
AWS::BillingConductor::CustomLineItem	Create	Read	Update	Delete	List
AWS::BillingConductor::PricingPlan	Create	Read	Update	Delete	List
AWS::BillingConductor::PricingRule	Create	Read	Update	Delete	List
AWS::Budgets::BudgetsAction	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Cassandra::Keyspace	Create	Read	Update	Delete	List
AWS::Cassandra::Table	Create	Read	Update	Delete	List
AWS::CE::AnomalyMonitor	Create	Read	Update	Delete	List
AWS::CE::AnomalySubscription	Create	Read	Update	Delete	List
AWS::CE::CostCategory	Create	Read	Update	Delete	List
AWS::CertificateManager::Account	Create	Read	Update	Delete	
AWS::Chatbot::MicrosoftTeamsChannelConfiguration	Create	Read	Update	Delete	List
AWS::Chatbot::SlackChannelConfiguration	Create	Read	Update	Delete	List
AWS::CleanRooms::AnalysisTemplate	Create	Read	Update	Delete	List
AWS::CleanRooms::Collaboration	Create	Read	Update	Delete	List
AWS::CleanRooms::ConfiguredTable	Create	Read	Update	Delete	List
AWS::CleanRooms::ConfiguredTableAssociation	Create	Read	Update	Delete	List
AWS::CleanRooms::Membership	Create	Read	Update	Delete	List
AWS::CleanRooms::PrivacyBudgetTemplate	Create	Read	Update	Delete	List
AWS::CleanRoomsML::TrainingDataset	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::CloudFormation::HookDefaultVersion	Create	Read	Update	Delete	List
AWS::CloudFormation::HookTypeConfig	Create	Read	Update	Delete	List
AWS::CloudFormation::HookVersion	Create	Read		Delete	List
AWS::CloudFormation::ModuleDefaultVersion	Create	Read		Delete	List
AWS::CloudFormation::ModuleVersion	Create	Read		Delete	
AWS::CloudFormation::PublicTypeVersion	Create	Read		Delete	List
AWS::CloudFormation::Publisher	Create	Read		Delete	List
AWS::CloudFormation::ResourceDefaultVersion	Create	Read	Update	Delete	List
AWS::CloudFormation::ResourceVersion	Create	Read		Delete	List
AWS::CloudFormation::Stack	Create	Read	Update	Delete	List
AWS::CloudFormation::StackSet	Create	Read	Update	Delete	List
AWS::CloudFormation::TypeActivation	Create	Read	Update	Delete	List
AWS::CloudFront::CachePolicy	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::CloudFront::CloudFrontOriginAccessIdentity	Create	Read	Update	Delete	List
AWS::CloudFront::ContinuousDeploymentPolicy	Create	Read	Update	Delete	List
AWS::CloudFront::Distribution	Create	Read	Update	Delete	List
AWS::CloudFront::Function	Create	Read	Update	Delete	List
AWS::CloudFront::KeyGroup	Create	Read	Update	Delete	List
AWS::CloudFront::KeyValueStore	Create	Read	Update	Delete	List
AWS::CloudFront::MonitoringSubscription	Create	Read		Delete	
AWS::CloudFront::OriginAccessControl	Create	Read	Update	Delete	List
AWS::CloudFront::OriginRequestPolicy	Create	Read	Update	Delete	List
AWS::CloudFront::PublicKey	Create	Read	Update	Delete	List
AWS::CloudFront::RealtimeLogConfig	Create	Read	Update	Delete	List
AWS::CloudFront::ResponseHeadersPolicy	Create	Read	Update	Delete	List
AWS::CloudTrail::Channel	Create	Read	Update	Delete	List
AWS::CloudTrail::EventDataStore	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::CloudTrail::ResourcePolicy	Create	Read	Update	Delete	
AWS::CloudTrail::Trail	Create	Read	Update	Delete	List
AWS::CloudWatch::Alarm	Create	Read	Update	Delete	List
AWS::CloudWatch::CompositeAlarm	Create	Read	Update	Delete	List
AWS::CloudWatch::Dashboard	Create	Read	Update	Delete	List
AWS::CloudWatch::MetricStream	Create	Read	Update	Delete	List
AWS::CodeArtifact::Domain	Create	Read	Update	Delete	List
AWS::CodeArtifact::PackageGroup	Create	Read	Update	Delete	List
AWS::CodeArtifact::Repository	Create	Read	Update	Delete	List
AWS::CodeBuild::Fleet	Create	Read	Update	Delete	List
AWS::CodeConnections::Connection	Create	Read	Update	Delete	List
AWS::CodeDeploy::Application	Create	Read	Update	Delete	List
AWS::CodeDeploy::DeploymentConfig	Create	Read		Delete	List
AWS::CodeGuruProfiler::ProfilingGroup	Create	Read	Update	Delete	List
AWS::CodeGuruReviewer::RepositoryAssociation	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
AWS::CodePipeline::CustomActionType	Create	Read	Update	Delete	List
AWS::CodeStarConnections::Connection	Create	Read	Update	Delete	List
AWS::CodeStarConnections::RepositoryLink	Create	Read	Update	Delete	List
AWS::CodeStarConnections::SyncConfiguration	Create	Read	Update	Delete	List
AWS::CodeStarNotifications::NotificationRule	Create	Read	Update	Delete	List
AWS::Cognito::IdentityPool	Create	Read	Update	Delete	List
AWS::Cognito::IdentityPoolPrincipalTag	Create	Read	Update	Delete	List
AWS::Cognito::IdentityPoolRoleAttachment	Create	Read	Update	Delete	List
AWS::Cognito::LogDeliveryConfiguration	Create	Read	Update	Delete	
AWS::Cognito::UserPool	Create	Read	Update	Delete	List
AWS::Cognito::UserPoolClient	Create	Read	Update	Delete	List
AWS::Cognito::UserPoolGroup	Create	Read	Update	Delete	List
AWS::Cognito::UserPoolResourceServer	Create	Read	Update	Delete	List
AWS::Cognito::UserPoolRiskConfigurationAttachment	Create	Read	Update	Delete	

Resource	Create	Read	Update	Delete	List
AWS::Cognito::UserPoolUser	Create	Read		Delete	List
AWS::Cognito::UserPoolUserT oGroupAttachment	Create	Read		Delete	
AWS::Comprehend::DocumentCl assifier	Create	Read	Update	Delete	List
AWS::Comprehend::Flywheel	Create	Read	Update	Delete	List
AWS::Config::AggregationAut horization	Create	Read	Update	Delete	List
AWS::Config::ConfigRule	Create	Read	Update	Delete	List
AWS::Config::ConfigurationA ggregator	Create	Read	Update	Delete	List
AWS::Config::ConformancePack	Create	Read	Update	Delete	List
AWS::Config::OrganizationCo nformancePack	Create	Read	Update	Delete	List
AWS::Config::StoredQuery	Create	Read	Update	Delete	List
AWS::Connect::ApprovedOrigin	Create	Read	Update	Delete	List
AWS::Connect::ContactFlow	Create	Read	Update	Delete	List
AWS::Connect::ContactFlowMo dule	Create	Read	Update	Delete	List
AWS::Connect::EvaluationForm	Create	Read	Update	Delete	List
AWS::Connect::HoursOfOperat ion	Create	Read	Update	Delete	List
AWS::Connect::Instance	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Connect::InstanceStorageConfig	Create	Read	Update	Delete	List
AWS::Connect::IntegrationAssociation	Create	Read	Update	Delete	List
AWS::Connect::PhoneNumber	Create	Read	Update	Delete	List
AWS::Connect::PredefinedAttribute	Create	Read	Update	Delete	List
AWS::Connect::Prompt	Create	Read	Update	Delete	List
AWS::Connect::Queue	Create	Read	Update	Delete	List
AWS::Connect::QuickConnect	Create	Read	Update	Delete	List
AWS::Connect::RoutingProfile	Create	Read	Update	Delete	List
AWS::Connect::Rule	Create	Read	Update	Delete	
AWS::Connect::SecurityKey	Create	Read	Update	Delete	List
AWS::Connect::SecurityProfile	Create	Read	Update	Delete	List
AWS::Connect::TaskTemplate	Create	Read	Update	Delete	List
AWS::Connect::TrafficDistributionGroup	Create	Read	Update	Delete	List
AWS::Connect::User	Create	Read	Update	Delete	List
AWS::Connect::UserHierarchyGroup	Create	Read	Update	Delete	List
AWS::Connect::View	Create	Read	Update	Delete	List
AWS::Connect::ViewVersion	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::ConnectCampaigns::Campaign	Create	Read	Update	Delete	List
AWS::ControlTower::EnabledBaseline	Create	Read	Update	Delete	List
AWS::ControlTower::EnabledControl	Create	Read	Update	Delete	List
AWS::ControlTower::LandingZone	Create	Read	Update	Delete	List
AWS::CUR::ReportDefinition	Create	Read	Update	Delete	List
AWS::CustomerProfiles::CalculatedAttributeDefinition	Create	Read	Update	Delete	List
AWS::CustomerProfiles::Domain	Create	Read	Update	Delete	List
AWS::CustomerProfiles::EventStream	Create	Read	Update	Delete	List
AWS::CustomerProfiles::Integration	Create	Read	Update	Delete	List
AWS::CustomerProfiles::ObjectType	Create	Read	Update	Delete	List
AWS::DataBrew::Dataset	Create	Read	Update	Delete	List
AWS::DataBrew::Job	Create	Read	Update	Delete	List
AWS::DataBrew::Project	Create	Read	Update	Delete	List
AWS::DataBrew::Recipe	Create	Read	Update	Delete	List
AWS::DataBrew::Ruleset	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::DataBrew::Schedule	Create	Read	Update	Delete	List
AWS::DataPipeline::Pipeline	Create	Read	Update	Delete	List
AWS::DataSync::Agent	Create	Read	Update	Delete	List
AWS::DataSync::LocationAzureBlob	Create	Read	Update	Delete	List
AWS::DataSync::LocationEFS	Create	Read	Update	Delete	List
AWS::DataSync::LocationFSx Lustre	Create	Read	Update	Delete	List
AWS::DataSync::LocationFSx0 NTAP	Create	Read	Update	Delete	List
AWS::DataSync::LocationFSx0 OpenZFS	Create	Read	Update	Delete	List
AWS::DataSync::LocationFSxWindows	Create	Read	Update	Delete	List
AWS::DataSync::LocationHDFS	Create	Read	Update	Delete	List
AWS::DataSync::LocationNFS	Create	Read	Update	Delete	List
AWS::DataSync::LocationObjectStorage	Create	Read	Update	Delete	List
AWS::DataSync::LocationS3	Create	Read	Update	Delete	List
AWS::DataSync::LocationSMB	Create	Read	Update	Delete	List
AWS::DataSync::StorageSystem	Create	Read	Update	Delete	List
AWS::DataSync::Task	Create	Read	Update	Delete	List
AWS::DataZone::DataSource	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::DataZone::Domain	Create	Read	Update	Delete	List
AWS::DataZone::Environment	Create	Read	Update	Delete	List
AWS::DataZone::EnvironmentBlueprintConfiguration	Create	Read	Update	Delete	List
AWS::DataZone::EnvironmentProfile	Create	Read	Update	Delete	List
AWS::DataZone::GroupProfile	Create	Read	Update	Delete	List
AWS::DataZone::Project	Create	Read	Update	Delete	List
AWS::DataZone::ProjectMembership	Create	Read	Update	Delete	List
AWS::DataZone::SubscriptionTarget	Create	Read	Update	Delete	List
AWS::DataZone::UserProfile	Create	Read	Update	Delete	List
AWS::Deadline::Farm	Create	Read	Update	Delete	List
AWS::Deadline::Fleet	Create	Read	Update	Delete	List
AWS::Deadline::LicenseEndpoint	Create	Read	Update	Delete	List
AWS::Deadline::MeteredProduct	Create	Read		Delete	List
AWS::Deadline::Monitor	Create	Read	Update	Delete	List
AWS::Deadline::Queue	Create	Read	Update	Delete	List
AWS::Deadline::QueueEnvironment	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Deadline::QueueFleetAssociation	Create	Read		Delete	List
AWS::Deadline::StorageProfile	Create	Read	Update	Delete	List
AWS::Detective::Graph	Create	Read	Update	Delete	List
AWS::Detective::MemberInvitation	Create	Read	Update	Delete	List
AWS::Detective::OrganizationAdmin	Create	Read	Update	Delete	List
AWS::DeviceFarm::DevicePool	Create	Read	Update	Delete	List
AWS::DeviceFarm::InstanceProfile	Create	Read	Update	Delete	List
AWS::DeviceFarm::NetworkProfile	Create	Read	Update	Delete	List
AWS::DeviceFarm::Project	Create	Read	Update	Delete	List
AWS::DeviceFarm::TestGridProject	Create	Read	Update	Delete	List
AWS::DeviceFarm::VPCEConfiguration	Create	Read	Update	Delete	List
AWS::DevOpsGuru::LogAnomalyDetectionIntegration	Create	Read	Update	Delete	List
AWS::DevOpsGuru::NotificationChannel	Create	Read		Delete	List
AWS::DevOpsGuru::ResourceCollection	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::DirectoryService::SimpleAD	Create	Read	Update	Delete	List
AWS::DMS::DataProvider	Create	Read	Update	Delete	List
AWS::DMS::InstanceProfile	Create	Read	Update	Delete	List
AWS::DMS::MigrationProject	Create	Read	Update	Delete	List
AWS::DMS::ReplicationConfig	Create	Read	Update	Delete	List
AWS::DocDBElastic::Cluster	Create	Read	Update	Delete	List
AWS::DynamoDB::GlobalTable	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

Resource	Create	Read	Update	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
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

Resource	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	
AWS::EC2::NetworkInsightsAccessScope	Create	Read	Update	Delete	List
AWS::EC2::NetworkInsightsAccessScopeAnalysis	Create	Read	Update	Delete	List
AWS::EC2::NetworkInsightsAnalysis	Create	Read	Update	Delete	List
AWS::EC2::NetworkInsightsPath	Create	Read	Update	Delete	List
AWS::EC2::NetworkInterface	Create	Read	Update	Delete	List
AWS::EC2::NetworkInterfaceAttachment	Create	Read	Update	Delete	List
AWS::EC2::NetworkPerformanceMetricSubscription	Create	Read		Delete	List
AWS::EC2::PlacementGroup	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
AWS::EC2::PrefixList	Create	Read	Update	Delete	List
AWS::EC2::Route	Create	Read	Update	Delete	List
AWS::EC2::RouteTable	Create	Read	Update	Delete	List
AWS::EC2::SecurityGroup	Create	Read	Update	Delete	List
AWS::EC2::SecurityGroupEgress	Create	Read	Update	Delete	List
AWS::EC2::SecurityGroupIngress	Create	Read	Update	Delete	List
AWS::EC2::SnapshotBlockPublicAccess	Create	Read	Update	Delete	List
AWS::EC2::SpotFleet	Create	Read	Update	Delete	List
AWS::EC2::Subnet	Create	Read	Update	Delete	List
AWS::EC2::SubnetCidrBlock	Create	Read		Delete	List
AWS::EC2::SubnetNetworkAssociation	Create	Read		Delete	List
AWS::EC2::SubnetRouteTableAssociation	Create	Read		Delete	List
AWS::EC2::TransitGateway	Create	Read	Update	Delete	List
AWS::EC2::TransitGatewayAttachment	Create	Read	Update	Delete	List
AWS::EC2::TransitGatewayConnect	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::EC2::TransitGatewayMulticastDomain	Create	Read	Update	Delete	List
AWS::EC2::TransitGatewayMulticastDomainAssociation	Create	Read		Delete	List
AWS::EC2::TransitGatewayMulticastGroupMember	Create	Read		Delete	List
AWS::EC2::TransitGatewayMulticastGroupSource	Create	Read		Delete	List
AWS::EC2::TransitGatewayPeerAttachment	Create	Read	Update	Delete	List
AWS::EC2::TransitGatewayRoute	Create	Read		Delete	List
AWS::EC2::TransitGatewayRouteTable	Create	Read		Delete	List
AWS::EC2::TransitGatewayRouteTableAssociation	Create	Read		Delete	List
AWS::EC2::TransitGatewayRouteTablePropagation	Create	Read		Delete	List
AWS::EC2::TransitGatewayVpcAttachment	Create	Read	Update	Delete	List
AWS::EC2::VerifiedAccessEndpoint	Create	Read	Update	Delete	List
AWS::EC2::VerifiedAccessGroup	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::EC2::VerifiedAccessInstance	Create	Read	Update	Delete	List
AWS::EC2::VerifiedAccessTrustProvider	Create	Read	Update	Delete	List
AWS::EC2::Volume	Create	Read	Update	Delete	List
AWS::EC2::VolumeAttachment	Create	Read		Delete	List
AWS::EC2::VPC	Create	Read	Update	Delete	List
AWS::EC2::VPCcidrBlock	Create	Read		Delete	List
AWS::EC2::VPCDHCPOptionsAssociation	Create	Read	Update	Delete	List
AWS::EC2::VPCEndpoint	Create	Read	Update	Delete	List
AWS::EC2::VPCEndpointConnectionNotification	Create	Read	Update	Delete	List
AWS::EC2::VPCEndpointService	Create	Read	Update	Delete	List
AWS::EC2::VPCEndpointServicePermissions	Create	Read	Update	Delete	List
AWS::EC2::VPCGatewayAttachment	Create	Read	Update	Delete	List
AWS::EC2::VPCPeeringConnection	Create	Read	Update	Delete	List
AWS::EC2::VPNConnection	Create	Read	Update	Delete	List
AWS::EC2::VPNConnectionRoute	Create	Read		Delete	List
AWS::EC2::VPNGateway	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::ECR::PublicRepository	Create	Read	Update	Delete	List
AWS::ECR::PullThroughCacheRule	Create	Read	Update	Delete	List
AWS::ECR::RegistryPolicy	Create	Read	Update	Delete	List
AWS::ECR::ReplicationConfiguration	Create	Read	Update	Delete	List
AWS::ECR::Repository	Create	Read	Update	Delete	List
AWS::ECR::RepositoryCreationTemplate	Create	Read	Update	Delete	List
AWS::ECS::CapacityProvider	Create	Read	Update	Delete	List
AWS::ECS::Cluster	Create	Read	Update	Delete	List
AWS::ECS::ClusterCapacityProviderAssociations	Create	Read	Update	Delete	List
AWS::ECS::PrimaryTaskSet	Create	Read	Update	Delete	
AWS::ECS::Service	Create	Read	Update	Delete	List
AWS::ECS::TaskDefinition	Create	Read	Update	Delete	List
AWS::ECS::TaskSet	Create	Read	Update	Delete	
AWS::EFS::AccessPoint	Create	Read	Update	Delete	List
AWS::EFS::FileSystem	Create	Read	Update	Delete	List
AWS::EFS::MountTarget	Create	Read	Update	Delete	List
AWS::EKS::AccessEntry	Create	Read	Update	Delete	List
AWS::EKS::Addon	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::EKS::Cluster	Create	Read	Update	Delete	List
AWS::EKS::FargateProfile	Create	Read	Update	Delete	List
AWS::EKS::IdentityProviderConfig	Create	Read	Update	Delete	List
AWS::EKS::Nodegroup	Create	Read	Update	Delete	List
AWS::EKS::PodIdentityAssociation	Create	Read	Update	Delete	List
AWS::ElastiCache::GlobalReplicationGroup	Create	Read	Update	Delete	List
AWS::ElastiCache::ParameterGroup	Create	Read	Update	Delete	List
AWS::ElastiCache::ServerlessCache	Create	Read	Update	Delete	List
AWS::ElastiCache::SubnetGroup	Create	Read	Update	Delete	List
AWS::ElastiCache::User	Create	Read	Update	Delete	List
AWS::ElastiCache::UserGroup	Create	Read	Update	Delete	List
AWS::ElasticBeanstalk::Application	Create	Read	Update	Delete	List
AWS::ElasticBeanstalk::ApplicationVersion	Create	Read	Update	Delete	List
AWS::ElasticBeanstalk::ConfigurationTemplate	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::ElasticBeanstalk::Environment	Create	Read	Update	Delete	List
AWS::ElasticLoadBalancingV2::Listener	Create	Read	Update	Delete	List
AWS::ElasticLoadBalancingV2::ListenerRule	Create	Read	Update	Delete	List
AWS::ElasticLoadBalancingV2::LoadBalancer	Create	Read	Update	Delete	List
AWS::ElasticLoadBalancingV2::TargetGroup	Create	Read	Update	Delete	List
AWS::ElasticLoadBalancingV2::TrustStore	Create	Read	Update	Delete	List
AWS::ElasticLoadBalancingV2::TrustStoreRevocation	Create	Read		Delete	List
AWS::EMR::SecurityConfiguration	Create	Read		Delete	List
AWS::EMR::Step	Create			Delete	
AWS::EMR::Studio	Create	Read	Update	Delete	List
AWS::EMR::StudioSessionMapping	Create	Read	Update	Delete	List
AWS::EMR::WALWorkspace	Create	Read	Update	Delete	List
AWS::EMRContainers::VirtualCluster	Create	Read	Update	Delete	List
AWS::EMRServerless::Application	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::EntityResolution::IdMappingWorkflow	Create	Read	Update	Delete	List
AWS::EntityResolution::IdNamespace	Create	Read	Update	Delete	List
AWS::EntityResolution::MatchingWorkflow	Create	Read	Update	Delete	List
AWS::EntityResolution::PolicyStatement	Create	Read	Update	Delete	List
AWS::EntityResolution::SchemaMapping	Create	Read	Update	Delete	List
AWS::Events::ApiDestination	Create	Read	Update	Delete	List
AWS::Events::Archive	Create	Read	Update	Delete	List
AWS::Events::Connection	Create	Read	Update	Delete	List
AWS::Events::Endpoint	Create	Read	Update	Delete	List
AWS::Events::EventBus	Create	Read	Update	Delete	List
AWS::Events::Rule	Create	Read	Update	Delete	List
AWS::EventSchemas::Discoverer	Create	Read	Update	Delete	List
AWS::EventSchemas::Registry	Create	Read	Update	Delete	List
AWS::EventSchemas::RegistryPolicy	Create	Read	Update	Delete	
AWS::EventSchemas::Schema	Create	Read	Update	Delete	List
AWS::Evidently::Experiment	Create	Read	Update	Delete	

Resource	Create	Read	Update	Delete	List
AWS::Evidently::Feature	Create	Read	Update	Delete	
AWS::Evidently::Launch	Create	Read	Update	Delete	
AWS::Evidently::Project	Create	Read	Update	Delete	
AWS::Evidently::Segment	Create	Read		Delete	List
AWS::FinSpace::Environment	Create	Read	Update	Delete	List
AWS::FIS::ExperimentTemplate	Create	Read	Update	Delete	List
AWS::FIS::TargetAccountConfiguration	Create	Read	Update	Delete	List
AWS::FMS::NotificationChannel	Create	Read	Update	Delete	List
AWS::FMS::Policy	Create	Read	Update	Delete	List
AWS::FMS::ResourceSet	Create	Read	Update	Delete	List
AWS::Forecast::Dataset	Create	Read		Delete	List
AWS::Forecast::DatasetGroup	Create	Read	Update	Delete	List
AWS::FraudDetector::Detector	Create	Read	Update	Delete	List
AWS::FraudDetector::EntityType	Create	Read	Update	Delete	List
AWS::FraudDetector::EventType	Create	Read	Update	Delete	List
AWS::FraudDetector::Label	Create	Read	Update	Delete	List
AWS::FraudDetector::List	Create	Read	Update	Delete	List
AWS::FraudDetector::Outcome	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::FraudDetector::Variable	Create	Read	Update	Delete	List
AWS::FSx::DataRepositoryAssociation	Create	Read	Update	Delete	List
AWS::GameLift::Alias	Create	Read	Update	Delete	List
AWS::GameLift::Build	Create	Read	Update	Delete	List
AWS::GameLift::ContainerGroupDefinition	Create	Read	Update	Delete	List
AWS::GameLift::Fleet	Create	Read	Update	Delete	List
AWS::GameLift::GameServerGroup	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

Resource	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
AWS::GreengrassV2::Deployment	Create	Read	Update	Delete	List
AWS::GroundStation::Config	Create	Read	Update	Delete	List
AWS::GroundStation::DataflowEndpointGroup	Create	Read		Delete	List
AWS::GroundStation::MissionProfile	Create	Read	Update	Delete	List
AWS::GuardDuty::Detector	Create	Read	Update	Delete	List
AWS::GuardDuty::Filter	Create	Read	Update	Delete	List
AWS::GuardDuty::IPSet	Create	Read	Update	Delete	List
AWS::GuardDuty::MalwareProtectionPlan	Create	Read	Update	Delete	List
AWS::GuardDuty::Master	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
AWS::GuardDuty::Member	Create	Read	Update	Delete	List
AWS::GuardDuty::ThreatIntelSet	Create	Read	Update	Delete	List
AWS::HealthImaging::Datastore	Create	Read		Delete	List
AWS::HealthLake::FHIREdatastore	Create	Read	Update	Delete	List
AWS::IAM::Group	Create	Read	Update	Delete	List
AWS::IAM::GroupPolicy	Create	Read	Update	Delete	
AWS::IAM::InstanceProfile	Create	Read	Update	Delete	List
AWS::IAM::ManagedPolicy	Create	Read	Update	Delete	List
AWS::IAM::OIDCProvider	Create	Read	Update	Delete	List
AWS::IAM::Policy	Create		Update	Delete	
AWS::IAM::Role	Create	Read	Update	Delete	List
AWS::IAM::RolePolicy	Create	Read	Update	Delete	
AWS::IAM::SAMLProvider	Create	Read	Update	Delete	List
AWS::IAM::ServerCertificate	Create	Read	Update	Delete	List
AWS::IAM::ServiceLinkedRole	Create	Read	Update	Delete	
AWS::IAM::User	Create	Read	Update	Delete	List
AWS::IAM::UserPolicy	Create	Read	Update	Delete	
AWS::IAM::VirtualMFADevice	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::IdentityStore::Group	Create	Read	Update	Delete	List
AWS::IdentityStore::GroupMembership	Create	Read		Delete	List
AWS::ImageBuilder::Component	Create	Read		Delete	List
AWS::ImageBuilder::ContainerRecipe	Create	Read		Delete	List
AWS::ImageBuilder::DistributionConfiguration	Create	Read	Update	Delete	List
AWS::ImageBuilder::Image	Create	Read		Delete	List
AWS::ImageBuilder::ImagePipeline	Create	Read	Update	Delete	List
AWS::ImageBuilder::ImageRecipe	Create	Read		Delete	List
AWS::ImageBuilder::InfrastructureConfiguration	Create	Read	Update	Delete	List
AWS::ImageBuilder::LifecyclePolicy	Create	Read	Update	Delete	List
AWS::ImageBuilder::Workflow	Create	Read		Delete	List
AWS::Inspector::AssessmentTarget	Create	Read	Update	Delete	List
AWS::Inspector::AssessmentTemplate	Create	Read		Delete	List
AWS::Inspector::ResourceGroup	Create	Read		Delete	

Resource	Create	Read	Update	Delete	List
AWS::InspectorV2::CisScanConfiguration	Create	Read	Update	Delete	List
AWS::InspectorV2::Filter	Create	Read	Update	Delete	List
AWS::InternetMonitor::Monitor	Create	Read	Update	Delete	List
AWS::IoT::AccountAuditConfiguration	Create	Read	Update	Delete	List
AWS::IoT::Authorizer	Create	Read	Update	Delete	List
AWS::IoT::BillingGroup	Create	Read	Update	Delete	List
AWS::IoT::CACertificate	Create	Read	Update	Delete	List
AWS::IoT::Certificate	Create	Read	Update	Delete	List
AWS::IoT::CertificateProvider	Create	Read	Update	Delete	List
AWS::IoT::CustomMetric	Create	Read	Update	Delete	List
AWS::IoT::Dimension	Create	Read	Update	Delete	List
AWS::IoT::DomainConfiguration	Create	Read	Update	Delete	List
AWS::IoT::FleetMetric	Create	Read	Update	Delete	List
AWS::IoT::JobTemplate	Create	Read		Delete	List
AWS::IoT::Logging	Create	Read	Update	Delete	List
AWS::IoT::MitigationAction	Create	Read	Update	Delete	List
AWS::IoT::Policy	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::IoT::ProvisioningTemplate	Create	Read	Update	Delete	List
AWS::IoT::ResourceSpecificLogging	Create	Read	Update	Delete	List
AWS::IoT::RoleAlias	Create	Read	Update	Delete	List
AWS::IoT::ScheduledAudit	Create	Read	Update	Delete	List
AWS::IoT::SecurityProfile	Create	Read	Update	Delete	List
AWS::IoT::SoftwarePackage	Create	Read	Update	Delete	List
AWS::IoT::SoftwarePackageVersion	Create	Read	Update	Delete	List
AWS::IoT::Thing	Create	Read	Update	Delete	List
AWS::IoT::ThingGroup	Create	Read	Update	Delete	List
AWS::IoT::ThingType	Create	Read	Update	Delete	List
AWS::IoT::TopicRule	Create	Read	Update	Delete	List
AWS::IoT::TopicRuleDestination	Create	Read	Update	Delete	List
AWS::IoTAnalytics::Channel	Create	Read	Update	Delete	List
AWS::IoTAnalytics::Dataset	Create	Read	Update	Delete	List
AWS::IoTAnalytics::Datastore	Create	Read	Update	Delete	List
AWS::IoTAnalytics::Pipeline	Create	Read	Update	Delete	List
AWS::IoTCoreDeviceAdvisor::SuiteDefinition	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::IoTEvents::AlarmModel	Create	Read	Update	Delete	List
AWS::IoTEvents::DetectorModel	Create	Read	Update	Delete	List
AWS::IoTEvents::Input	Create	Read	Update	Delete	List
AWS::IoTFleetHub::Application	Create	Read	Update	Delete	List
AWS::IoTFleetWise::Campaign	Create	Read	Update	Delete	List
AWS::IoTFleetWise::DecoderManifest	Create	Read	Update	Delete	List
AWS::IoTFleetWise::Fleet	Create	Read	Update	Delete	List
AWS::IoTFleetWise::ModelManifest	Create	Read	Update	Delete	List
AWS::IoTFleetWise::SignalCatalog	Create	Read	Update	Delete	List
AWS::IoTFleetWise::Vehicle	Create	Read	Update	Delete	List
AWS::IoTSiteWise::AccessPolicy	Create	Read	Update	Delete	List
AWS::IoTSiteWise::Asset	Create	Read	Update	Delete	List
AWS::IoTSiteWise::AssetModel	Create	Read	Update	Delete	List
AWS::IoTSiteWise::Dashboard	Create	Read	Update	Delete	List
AWS::IoTSiteWise::Gateway	Create	Read	Update	Delete	List
AWS::IoTSiteWise::Portal	Create	Read	Update	Delete	List
AWS::IoTSiteWise::Project	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::IoT TwinMaker::ComponentType	Create	Read	Update	Delete	List
AWS::IoT TwinMaker::Entity	Create	Read	Update	Delete	List
AWS::IoT TwinMaker::Scene	Create	Read	Update	Delete	List
AWS::IoT TwinMaker::SyncJob	Create	Read		Delete	List
AWS::IoT TwinMaker::Workspace	Create	Read	Update	Delete	List
AWS::IoT Wireless::Destination	Create	Read	Update	Delete	List
AWS::IoT Wireless::DeviceProfile	Create	Read		Delete	List
AWS::IoT Wireless::FwotaTask	Create	Read	Update	Delete	List
AWS::IoT Wireless::MulticastGroup	Create	Read	Update	Delete	List
AWS::IoT Wireless::NetworkAnalyzerConfiguration	Create	Read	Update	Delete	List
AWS::IoT Wireless::PartnerAccount	Create	Read	Update	Delete	List
AWS::IoT Wireless::ServiceProfile	Create	Read		Delete	List
AWS::IoT Wireless::TaskDefinition	Create	Read		Delete	List
AWS::IoT Wireless::WirelessDevice	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::IoTWireless::WirelessDeviceImportTask	Create	Read	Update	Delete	List
AWS::IoTWireless::WirelessGateway	Create	Read	Update	Delete	List
AWS::IVS::Channel	Create	Read	Update	Delete	List
AWS::IVS::EncoderConfiguration	Create	Read	Update	Delete	List
AWS::IVS::PlaybackKeyPair	Create	Read	Update	Delete	List
AWS::IVS::PlaybackRestrictionPolicy	Create	Read	Update	Delete	List
AWS::IVS::RecordingConfiguration	Create	Read	Update	Delete	List
AWS::IVS::Stage	Create	Read	Update	Delete	List
AWS::IVS::StorageConfiguration	Create	Read	Update	Delete	List
AWS::IVS::StreamKey	Create	Read	Update	Delete	List
AWS::IVSChat::LoggingConfiguration	Create	Read	Update	Delete	List
AWS::IVSChat::Room	Create	Read	Update	Delete	List
AWS::KafkaConnect::Connector	Create	Read	Update	Delete	List
AWS::KafkaConnect::CustomPlugin	Create	Read	Update	Delete	List
AWS::KafkaConnect::WorkerConfiguration	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Kendra::DataSource	Create	Read	Update	Delete	List
AWS::Kendra::Faq	Create	Read	Update	Delete	List
AWS::Kendra::Index	Create	Read	Update	Delete	List
AWS::KendraRanking::ExecutionPlan	Create	Read	Update	Delete	List
AWS::Kinesis::Stream	Create	Read	Update	Delete	List
AWS::KinesisAnalyticsV2::Application	Create	Read	Update	Delete	List
AWS::KinesisFirehose::DeliveryStream	Create	Read	Update	Delete	List
AWS::KinesisVideo::SignalingChannel	Create	Read	Update	Delete	
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	

Resource	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
AWS::Lambda::Url	Create	Read	Update	Delete	List
AWS::Lambda::Version	Create	Read		Delete	List
AWS::Lex::Bot	Create	Read	Update	Delete	List
AWS::Lex::BotAlias	Create	Read	Update	Delete	List
AWS::Lex::BotVersion	Create	Read		Delete	List
AWS::Lex::ResourcePolicy	Create	Read	Update	Delete	List
AWS::LicenseManager::Grant	Create	Read	Update	Delete	List
AWS::LicenseManager::License	Create	Read	Update	Delete	List
AWS::Lightsail::Alarm	Create	Read	Update	Delete	List
AWS::Lightsail::Bucket	Create	Read	Update	Delete	List
AWS::Lightsail::Certificate	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Lightsail::Container	Create	Read	Update	Delete	List
AWS::Lightsail::Database	Create	Read	Update	Delete	List
AWS::Lightsail::Disk	Create	Read	Update	Delete	List
AWS::Lightsail::Distribution	Create	Read	Update	Delete	List
AWS::Lightsail::Instance	Create	Read	Update	Delete	List
AWS::Lightsail::LoadBalancer	Create	Read	Update	Delete	List
AWS::Lightsail::LoadBalance rTlsCertificate	Create	Read	Update	Delete	List
AWS::Lightsail::StaticIp	Create	Read	Update	Delete	List
AWS::Location::APIKey	Create	Read	Update	Delete	List
AWS::Location::GeofenceColl ection	Create	Read	Update	Delete	List
AWS::Location::Map	Create	Read	Update	Delete	List
AWS::Location::PlaceIndex	Create	Read	Update	Delete	List
AWS::Location::RouteCalcula tor	Create	Read	Update	Delete	List
AWS::Location::Tracker	Create	Read	Update	Delete	List
AWS::Location::TrackerConsu mer	Create	Read		Delete	List
AWS::Logs::AccountPolicy	Create	Read	Update	Delete	List
AWS::Logs::Delivery	Create	Read	Update	Delete	List

Resource	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
<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

Resource	Create	Read	Update	Delete	List
AWS::Macie::CustomDataIdentifier	Create	Read	Update	Delete	List
AWS::Macie::FindingsFilter	Create	Read	Update	Delete	List
AWS::Macie::Session	Create	Read	Update	Delete	List
AWS::ManagedBlockchain::Accessor	Create	Read	Update	Delete	List
AWS::MediaConnect::Bridge	Create	Read	Update	Delete	List
AWS::MediaConnect::BridgeOutput	Create	Read	Update	Delete	
AWS::MediaConnect::BridgeSource	Create	Read	Update	Delete	
AWS::MediaConnect::Flow	Create	Read	Update	Delete	List
AWS::MediaConnect::FlowEntitlement	Create	Read	Update	Delete	List
AWS::MediaConnect::FlowOutput	Create	Read	Update	Delete	List
AWS::MediaConnect::FlowSource	Create	Read	Update	Delete	List
AWS::MediaConnect::FlowVpcInterface	Create	Read	Update	Delete	List
AWS::MediaConnect::Gateway	Create	Read		Delete	List
AWS::MediaLive::Multiplex	Create	Read	Update	Delete	List
AWS::MediaLive::MultiplexProgram	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::MediaPackage::Asset	Create	Read		Delete	List
AWS::MediaPackage::Channel	Create	Read	Update	Delete	List
AWS::MediaPackage::OriginEndpoint	Create	Read	Update	Delete	List
AWS::MediaPackage::PackagingConfiguration	Create	Read		Delete	List
AWS::MediaPackage::PackagingGroup	Create	Read	Update	Delete	List
AWS::MediaPackageV2::Channel	Create	Read	Update	Delete	List
AWS::MediaPackageV2::ChannelGroup	Create	Read	Update	Delete	List
AWS::MediaPackageV2::ChannelPolicy	Create	Read	Update	Delete	
AWS::MediaPackageV2::OriginEndpoint	Create	Read	Update	Delete	List
AWS::MediaPackageV2::OriginEndpointPolicy	Create	Read	Update	Delete	
AWS::MediaTailor::Channel	Create	Read	Update	Delete	List
AWS::MediaTailor::ChannelPolicy	Create	Read	Update	Delete	
AWS::MediaTailor::LiveSource	Create	Read	Update	Delete	List
AWS::MediaTailor::PlaybackConfiguration	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::MediaTailor::SourceLocation	Create	Read	Update	Delete	List
AWS::MediaTailor::VodSource	Create	Read	Update	Delete	List
AWS::MemoryDB::ACL	Create	Read	Update	Delete	List
AWS::MemoryDB::Cluster	Create	Read	Update	Delete	List
AWS::MemoryDB::ParameterGroup	Create	Read	Update	Delete	List
AWS::MemoryDB::SubnetGroup	Create	Read	Update	Delete	List
AWS::MemoryDB::User	Create	Read	Update	Delete	List
AWS::MSK::BatchScramSecret	Create	Read	Update	Delete	List
AWS::MSK::Cluster	Create	Read	Update	Delete	List
AWS::MSK::ClusterPolicy	Create	Read	Update	Delete	List
AWS::MSK::Configuration	Create	Read	Update	Delete	List
AWS::MSK::Replicator	Create	Read	Update	Delete	List
AWS::MSK::ServerlessCluster	Create	Read		Delete	List
AWS::MSK::VpcConnection	Create	Read	Update	Delete	List
AWS::MWA::Environment	Create	Read	Update	Delete	List
AWS::Neptune::DBCluster	Create	Read	Update	Delete	List
AWS::NeptuneGraph::Graph	Create	Read	Update	Delete	List
AWS::NeptuneGraph::PrivateGraphEndpoint	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::NetworkFirewall::Firewall	Create	Read	Update	Delete	List
AWS::NetworkFirewall::FirewallPolicy	Create	Read	Update	Delete	List
AWS::NetworkFirewall::LoggingConfiguration	Create	Read	Update	Delete	
AWS::NetworkFirewall::RuleGroup	Create	Read	Update	Delete	List
AWS::NetworkFirewall::TLSPeeringConfiguration	Create	Read	Update	Delete	List
AWS::NetworkManager::ConnectAttachment	Create	Read	Update	Delete	List
AWS::NetworkManager::ConnectPeer	Create	Read	Update	Delete	List
AWS::NetworkManager::CoreNetwork	Create	Read	Update	Delete	List
AWS::NetworkManager::CustomerGatewayAssociation	Create	Read		Delete	List
AWS::NetworkManager::Device	Create	Read	Update	Delete	List
AWS::NetworkManager::GlobalNetwork	Create	Read	Update	Delete	List
AWS::NetworkManager::Link	Create	Read	Update	Delete	List
AWS::NetworkManager::LinkAssociation	Create	Read		Delete	List
AWS::NetworkManager::Site	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::NetworkManager::SiteToSiteVpnAttachment	Create	Read	Update	Delete	List
AWS::NetworkManager::TransitGatewayPeering	Create	Read	Update	Delete	List
AWS::NetworkManager::TransitGatewayRegistration	Create	Read		Delete	List
AWS::NetworkManager::TransitGatewayRouteTableAttachment	Create	Read	Update	Delete	List
AWS::NetworkManager::VpcAttachment	Create	Read	Update	Delete	List
AWS::NimbleStudio::LaunchProfile	Create	Read	Update	Delete	List
AWS::NimbleStudio::StreamingImage	Create	Read	Update	Delete	List
AWS::NimbleStudio::Studio	Create	Read	Update	Delete	List
AWS::NimbleStudio::StudioComponent	Create	Read	Update	Delete	List
AWS::Oam::Link	Create	Read	Update	Delete	List
AWS::Oam::Sink	Create	Read	Update	Delete	List
AWS::Omics::AnnotationStore	Create	Read	Update	Delete	List
AWS::Omics::ReferenceStore	Create	Read		Delete	List
AWS::Omics::RunGroup	Create	Read	Update	Delete	List
AWS::Omics::SequenceStore	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Omicss::VariantStore	Create	Read	Update	Delete	List
AWS::Omicss::Workflow	Create	Read	Update	Delete	List
AWS::OpenSearchServerless::AccessPolicy	Create	Read	Update	Delete	List
AWS::OpenSearchServerless::Collection	Create	Read	Update	Delete	List
AWS::OpenSearchServerless::LifecyclePolicy	Create	Read	Update	Delete	List
AWS::OpenSearchServerless::SecurityConfig	Create	Read	Update	Delete	List
AWS::OpenSearchServerless::SecurityPolicy	Create	Read	Update	Delete	List
AWS::OpenSearchServerless::VpcEndpoint	Create	Read	Update	Delete	List
AWS::OpenSearchService::Domain	Create	Read	Update	Delete	
AWS::OpsWorksCM::Server	Create	Read	Update	Delete	List
AWS::Organizations::Account	Create	Read	Update	Delete	List
AWS::Organizations::Organization	Create	Read	Update	Delete	List
AWS::Organizations::OrganizationalUnit	Create	Read	Update	Delete	List
AWS::Organizations::Policy	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Organizations::ResourcePolicy	Create	Read	Update	Delete	List
AWS::OSIS::Pipeline	Create	Read	Update	Delete	List
AWS::Panorama::ApplicationInstance	Create	Read	Update	Delete	List
AWS::Panorama::Package	Create	Read	Update	Delete	List
AWS::Panorama::PackageVersion	Create	Read	Update	Delete	
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

Resource	Create	Read	Update	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
AWS::Proton::EnvironmentTemplate	Create	Read	Update	Delete	List
AWS::Proton::ServiceTemplate	Create	Read	Update	Delete	List
AWS::QBusiness::Application	Create	Read	Update	Delete	List
AWS::QBusiness::DataSource	Create	Read	Update	Delete	List
AWS::QBusiness::Index	Create	Read	Update	Delete	List
AWS::QBusiness::Plugin	Create	Read	Update	Delete	List
AWS::QBusiness::Retriever	Create	Read	Update	Delete	List
AWS::QBusiness::WebExperience	Create	Read	Update	Delete	List
AWS::QLDB::Stream	Create	Read	Update	Delete	List
AWS::QuickSight::Analysis	Create	Read	Update	Delete	List
AWS::QuickSight::Dashboard	Create	Read	Update	Delete	List
AWS::QuickSight::DataSet	Create	Read	Update	Delete	List
AWS::QuickSight::DataSource	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::QuickSight::RefreshSchedule	Create	Read	Update	Delete	List
AWS::QuickSight::Template	Create	Read	Update	Delete	List
AWS::QuickSight::Theme	Create	Read	Update	Delete	List
AWS::QuickSight::Topic	Create	Read	Update	Delete	List
AWS::QuickSight::VPCConnection	Create	Read	Update	Delete	List
AWS::RAM::Permission	Create	Read	Update	Delete	List
AWS::RDS::CustomDBEngineVersion	Create	Read	Update	Delete	List
AWS::RDS::DBCluster	Create	Read	Update	Delete	List
AWS::RDS::DBClusterParameterGroup	Create	Read	Update	Delete	List
AWS::RDS::DBInstance	Create	Read	Update	Delete	List
AWS::RDS::DBParameterGroup	Create	Read	Update	Delete	List
AWS::RDS::DBProxy	Create	Read	Update	Delete	List
AWS::RDS::DBProxyEndpoint	Create	Read	Update	Delete	List
AWS::RDS::DBProxyTargetGroup	Create	Read	Update	Delete	List
AWS::RDS::DBSubnetGroup	Create	Read	Update	Delete	List
AWS::RDS::EventSubscription	Create	Read	Update	Delete	List
AWS::RDS::GlobalCluster	Create	Read	Update	Delete	List
AWS::RDS::Integration	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::RDS::OptionGroup	Create	Read	Update	Delete	List
AWS::Redshift::Cluster	Create	Read	Update	Delete	List
AWS::Redshift::ClusterParameterGroup	Create	Read	Update	Delete	List
AWS::Redshift::ClusterSubnetGroup	Create	Read	Update	Delete	List
AWS::Redshift::EndpointAccess	Create	Read	Update	Delete	List
AWS::Redshift::EndpointAuthorization	Create	Read	Update	Delete	List
AWS::Redshift::EventSubscription	Create	Read	Update	Delete	List
AWS::Redshift::ScheduledAction	Create	Read	Update	Delete	List
AWS::RedshiftServerless::Namespace	Create	Read	Update	Delete	List
AWS::RedshiftServerless::Workgroup	Create	Read	Update	Delete	List
AWS::RefactorSpaces::Application	Create	Read		Delete	List
AWS::RefactorSpaces::Environment	Create	Read		Delete	List
AWS::RefactorSpaces::Route	Create	Read	Update	Delete	List
AWS::RefactorSpaces::Service	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Rekognition::Collection	Create	Read	Update	Delete	List
AWS::Rekognition::Project	Create	Read	Update	Delete	List
AWS::Rekognition::StreamProcessor	Create	Read	Update	Delete	List
AWS::ResilienceHub::App	Create	Read	Update	Delete	List
AWS::ResilienceHub::ResiliencyPolicy	Create	Read	Update	Delete	List
AWS::ResourceExplorer2::DefaultViewAssociation	Create	Read	Update	Delete	
AWS::ResourceExplorer2::Index	Create	Read	Update	Delete	List
AWS::ResourceExplorer2::View	Create	Read	Update	Delete	List
AWS::ResourceGroups::Group	Create	Read	Update	Delete	List
AWS::RoboMaker::Fleet	Create	Read	Update	Delete	List
AWS::RoboMaker::Robot	Create	Read	Update	Delete	List
AWS::RoboMaker::RobotApplication	Create	Read	Update	Delete	List
AWS::RoboMaker::RobotApplicationVersion	Create	Read		Delete	
AWS::RoboMaker::SimulationApplication	Create	Read	Update	Delete	List
AWS::RoboMaker::SimulationApplicationVersion	Create	Read		Delete	

Resource	Create	Read	Update	Delete	List
AWS::RolesAnywhere::CRL	Create	Read	Update	Delete	List
AWS::RolesAnywhere::Profile	Create	Read	Update	Delete	List
AWS::RolesAnywhere::TrustAnchor	Create	Read	Update	Delete	List
AWS::Route53::CidrCollection	Create	Read	Update	Delete	List
AWS::Route53::DNSSEC	Create	Read		Delete	List
AWS::Route53::HealthCheck	Create	Read	Update	Delete	List
AWS::Route53::HostedZone	Create	Read	Update	Delete	List
AWS::Route53::KeySigningKey	Create	Read	Update	Delete	List
AWS::Route53Profiles::Profile	Create	Read	Update	Delete	List
AWS::Route53Profiles::ProfileAssociation	Create	Read	Update	Delete	List
AWS::Route53Profiles::ProfileResourceAssociation	Create	Read	Update	Delete	List
AWS::Route53RecoveryControl::Cluster	Create	Read		Delete	List
AWS::Route53RecoveryControl::ControlPanel	Create	Read	Update	Delete	List
AWS::Route53RecoveryControl::RoutingControl	Create	Read	Update	Delete	List
AWS::Route53RecoveryControl::SafetyRule	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Route53RecoveryReadiness::Cell	Create	Read	Update	Delete	List
AWS::Route53RecoveryReadiness::ReadinessCheck	Create	Read	Update	Delete	List
AWS::Route53RecoveryReadiness::RecoveryGroup	Create	Read	Update	Delete	List
AWS::Route53RecoveryReadiness::ResourceSet	Create	Read	Update	Delete	List
AWS::Route53Resolver::FirewallDomainList	Create	Read	Update	Delete	List
AWS::Route53Resolver::FirewallRuleGroup	Create	Read	Update	Delete	List
AWS::Route53Resolver::FirewallRuleGroupAssociation	Create	Read	Update	Delete	List
AWS::Route53Resolver::OutpostResolver	Create	Read	Update	Delete	List
AWS::Route53Resolver::ResolverConfig	Create	Read		Delete	List
AWS::Route53Resolver::ResolverDNSSECConfig	Create	Read		Delete	List
AWS::Route53Resolver::ResolverQueryLoggingConfig	Create	Read		Delete	List
AWS::Route53Resolver::ResolverQueryLoggingConfigAssociation	Create	Read		Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Route53Resolver::ResolverRule	Create	Read	Update	Delete	List
AWS::Route53Resolver::ResolverRuleAssociation	Create	Read		Delete	List
AWS::RUM::AppMonitor	Create	Read	Update	Delete	List
AWS::S3::AccessGrant	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

Resource	Create	Read	Update	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
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

Resource	Create	Read	Update	Delete	List
AWS::SageMaker::InferenceExperiment	Create	Read	Update	Delete	List
AWS::SageMaker::ModelBiasJobDefinition	Create	Read		Delete	List
AWS::SageMaker::ModelCard	Create	Read	Update	Delete	List
AWS::SageMaker::ModelExplainabilityJobDefinition	Create	Read		Delete	List
AWS::SageMaker::ModelPackage	Create	Read	Update	Delete	List
AWS::SageMaker::ModelPackageGroup	Create	Read	Update	Delete	List
AWS::SageMaker::ModelQualityJobDefinition	Create	Read		Delete	List
AWS::SageMaker::MonitoringSchedule	Create	Read	Update	Delete	List
AWS::SageMaker::Pipeline	Create	Read	Update	Delete	List
AWS::SageMaker::Project	Create	Read	Update	Delete	List
AWS::SageMaker::Space	Create	Read	Update	Delete	List
AWS::SageMaker::UserProfile	Create	Read	Update	Delete	List
AWS::Scheduler::Schedule	Create	Read	Update	Delete	List
AWS::Scheduler::ScheduleGroup	Create	Read	Update	Delete	List
AWS::SecretsManager::Secret	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::SecurityHub::AutomationRule	Create	Read	Update	Delete	List
AWS::SecurityHub::ConfigurationPolicy	Create	Read	Update	Delete	List
AWS::SecurityHub::DelegatedAdmin	Create	Read		Delete	List
AWS::SecurityHub::FindingAggregator	Create	Read	Update	Delete	List
AWS::SecurityHub::Hub	Create	Read	Update	Delete	List
AWS::SecurityHub::Insight	Create	Read	Update	Delete	List
AWS::SecurityHub::OrganizationConfiguration	Create	Read	Update	Delete	List
AWS::SecurityHub::PolicyAssociation	Create	Read	Update	Delete	List
AWS::SecurityHub::ProductSubscription	Create	Read		Delete	List
AWS::SecurityHub::SecurityControl	Create	Read	Update	Delete	List
AWS::SecurityHub::Standard	Create	Read	Update	Delete	List
AWS::SecurityLake::AwsLogSource	Create	Read	Update	Delete	List
AWS::SecurityLake::DataLake	Create	Read	Update	Delete	List
AWS::SecurityLake::Subscriber	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::SecurityLake::SubscriberNotification	Create	Read	Update	Delete	List
AWS::ServiceCatalog::CloudFormationProvisionedProduct	Create	Read	Update	Delete	
AWS::ServiceCatalog::ServiceAction	Create	Read	Update	Delete	List
AWS::ServiceCatalog::ServiceActionAssociation	Create	Read		Delete	List
AWS::ServiceCatalogAppRegistry::Application	Create	Read	Update	Delete	List
AWS::ServiceCatalogAppRegistry::AttributeGroup	Create	Read	Update	Delete	List
AWS::ServiceCatalogAppRegistry::AttributeGroupAssociation	Create	Read		Delete	List
AWS::ServiceCatalogAppRegistry::ResourceAssociation	Create	Read		Delete	List
AWS::SES::ConfigurationSet	Create	Read	Update	Delete	List
AWS::SES::ConfigurationSetEventDestination	Create	Read	Update	Delete	
AWS::SES::ContactList	Create	Read	Update	Delete	List
AWS::SES::DedicatedIpPool	Create	Read	Update	Delete	List
AWS::SES::EmailIdentity	Create	Read	Update	Delete	List
AWS::SES::Template	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::SES::VdmAttributes	Create	Read	Update	Delete	
AWS::Shield::DRTAccess	Create	Read	Update	Delete	List
AWS::Shield::ProactiveEngagement	Create	Read	Update	Delete	List
AWS::Shield::Protection	Create	Read	Update	Delete	List
AWS::Shield::ProtectionGroup	Create	Read	Update	Delete	List
AWS::Signer::ProfilePermission	Create	Read		Delete	List
AWS::Signer::SigningProfile	Create	Read	Update	Delete	List
AWS::SimSpaceWeaver::Simulation	Create	Read	Update	Delete	List
AWS::SNS::Topic	Create	Read	Update	Delete	List
AWS::SNS::TopicInlinePolicy	Create	Read	Update	Delete	
AWS::SNS::TopicPolicy	Create		Update	Delete	
AWS::SQS::Queue	Create	Read	Update	Delete	List
AWS::SQS::QueueInlinePolicy	Create	Read	Update	Delete	
AWS::SQS::QueuePolicy	Create		Update	Delete	
AWS::SSM::Association	Create	Read	Update	Delete	List
AWS::SSM::Document	Create	Read	Update	Delete	List
AWS::SSM::Parameter	Create	Read	Update	Delete	List
AWS::SSM::PatchBaseline	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::SSM::ResourceDataSync	Create	Read	Update	Delete	List
AWS::SSM::ResourcePolicy	Create	Read	Update	Delete	List
AWS::SSMContacts::Contact	Create	Read	Update	Delete	List
AWS::SSMContacts::ContactChannel	Create	Read	Update	Delete	List
AWS::SSMContacts::Plan	Create	Read	Update	Delete	
AWS::SSMContacts::Rotation	Create	Read	Update	Delete	List
AWS::SSMIncidents::ReplicationSet	Create	Read	Update	Delete	List
AWS::SSMIncidents::ResponsePlan	Create	Read	Update	Delete	List
AWS::SSO::Application	Create	Read	Update	Delete	List
AWS::SSO::ApplicationAssignment	Create	Read		Delete	List
AWS::SSO::Assignment	Create	Read		Delete	List
AWS::SSO::Instance	Create	Read	Update	Delete	List
AWS::SSO::InstanceAccessControlAttributeConfiguration	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

Resource	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
AWS::Transfer::Agreement	Create	Read	Update	Delete	List
AWS::Transfer::Certificate	Create	Read	Update	Delete	List
AWS::Transfer::Connector	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::Transfer::Profile	Create	Read	Update	Delete	List
AWS::Transfer::Workflow	Create	Read	Update	Delete	List
AWS::VerifiedPermissions::IdentitySource	Create	Read	Update	Delete	List
AWS::VerifiedPermissions::Policy	Create	Read	Update	Delete	List
AWS::VerifiedPermissions::PolicyStore	Create	Read	Update	Delete	List
AWS::VerifiedPermissions::PolicyTemplate	Create	Read	Update	Delete	List
AWS::VoiceID::Domain	Create	Read	Update	Delete	List
AWS::VpcLattice::AccessLogSubscription	Create	Read	Update	Delete	List
AWS::VpcLattice::AuthPolicy	Create	Read	Update	Delete	
AWS::VpcLattice::Listener	Create	Read	Update	Delete	List
AWS::VpcLattice::ResourcePolicy	Create	Read	Update	Delete	
AWS::VpcLattice::Rule	Create	Read	Update	Delete	List
AWS::VpcLattice::Service	Create	Read	Update	Delete	List
AWS::VpcLattice::ServiceNetwork	Create	Read	Update	Delete	List
AWS::VpcLattice::ServiceNetworkServiceAssociation	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::VpcLattice::ServiceNetworkVpcAssociation	Create	Read	Update	Delete	List
AWS::VpcLattice::TargetGroup	Create	Read	Update	Delete	List
AWS::WAFv2::IPSet	Create	Read	Update	Delete	List
AWS::WAFv2::LoggingConfiguration	Create	Read	Update	Delete	List
AWS::WAFv2::RegexPatternSet	Create	Read	Update	Delete	List
AWS::WAFv2::RuleGroup	Create	Read	Update	Delete	List
AWS::WAFv2::WebACL	Create	Read	Update	Delete	List
AWS::WAFv2::WebACLAssociation	Create	Read	Update	Delete	
AWS::Wisdom::Assistant	Create	Read	Update	Delete	List
AWS::Wisdom::AssistantAssociation	Create	Read	Update	Delete	List
AWS::Wisdom::KnowledgeBase	Create	Read	Update	Delete	List
AWS::WorkSpaces::ConnectionAlias	Create	Read		Delete	
AWS::WorkSpaces::WorkspacesPool	Create	Read	Update	Delete	List
AWS::WorkSpacesThinClient::Environment	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::BrowserSettings	Create	Read	Update	Delete	List

Resource	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::IdentityProvider	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::IpAccessSettings	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::NetworkSettings	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::Portal	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::TrustStore	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::UserAccessLoggingSettings	Create	Read	Update	Delete	List
AWS::WorkSpacesWeb::UserSettings	Create	Read	Update	Delete	List
AWS::XRay::Group	Create	Read	Update	Delete	List
AWS::XRay::ResourcePolicy	Create	Read	Update	Delete	List
AWS::XRay::SamplingRule	Create	Read	Update	Delete	List

Document history for the Cloud Control API User Guide

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

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

Change	Description	Date
New resource	AWS::WorkSpaces::WorkspacePool resource type added.	June 21, 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::SecurityLake::AwsLogSource resource type added.	March 31, 2024
New resource	AWS::SecurityLake::Subscriber resource type added.	March 31, 2024
New resource	AWS::Timestream::InfluxDBInstance 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::LicenseEndpoint resource type added.	March 29, 2024
New resource	AWS::Deadline::MeredProduct resource type added.	March 29, 2024

New resource	AWS::Deadline::Queue resource type added.	March 29, 2024
New resource	AWS::Deadline::QueueEnvironment resource type added.	March 29, 2024
New resource	AWS::Deadline::QueueFleetAssociation resource type added.	March 29, 2024
New resource	AWS::Deadline::StorageProfile 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::Application resource type added.	March 5, 2024
New resource	AWS::BCMDataExports::Export resource type added.	February 26, 2024
New resource	AWS::ControlTower::EnabledBaseline resource type added.	February 14, 2024
New resource	AWS::GuardDuty::Master resource type added.	February 6, 2024
New resource	AWS::CodeConnections::Connection resource type added.	February 5, 2024

New resource	AWS::RDS::Integration resource type added.	January 26, 2024
New resource	AWS::InspectorV2::CisScanConfiguration resource type added.	January 25, 2024
New resource	AWS::EC2::TransitGatewayRouteTablePropagation 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::Transformer 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::Fleet resource type added.	November 9, 2023
New resource	AWS::ElasticLoadBalancingV2::TrustStore resource type added.	November 9, 2023
New resource	AWS::ElasticLoadBalancingV2::TrustStoreRevocation resource type added.	November 9, 2023
New resource	AWS::OpenSearchServerless::LifecyclePolicy resource type added.	November 9, 2023
New resource	AWS::WorkSpacesThinClient::Environment resource type added.	November 9, 2023
New resource	AWS::GameLift::GameSessionQueue 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::Resto reTestingSelection resource type added.	November 7, 2023
New resource	AWS::EC2::Instance resource type added.	November 7, 2023
New resource	AWS::MediaLive::Mu ltiplex resource type added.	November 3, 2023
New resource	AWS::MediaLive::Mu ltiplexprogram resource type added.	November 3, 2023
New resource	AWS::ARCZonalShift ::ZonalAutoshiftCo nfiguration resource type added.	November 1, 2023
New resource	AWS::CodeStarConne ctions::Repository Link 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::SoftwarePackage resource type added.	October 2, 2023
New resource	AWS::IoT::SoftwarePackageVersion resource type added.	October 2, 2023
New resource	AWS::EC2::SecurityGroupIngress resource type added.	September 28, 2023
New resource	AWS::AppSync::FunctionConfiguration resource type added.	September 22, 2023
New resource	AWS::EC2::SecurityGroupEgress resource type added.	September 16, 2023

New resource	AWS::HealthImaging::Datastore resource type added.	September 12, 2023
New resource	AWS::S3Express::BucketPolicy resource type added.	September 7, 2023
New resource	AWS::S3Express::DirectoryBucket 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::VPCEGatewayAttachment resource type added.	July 24, 2023
New resource	AWS::PCACConnectorAD::Connector resource type added.	July 19, 2023
New resource	AWS::PCACConnectorAD::DirectoryRegistration resource type added.	July 19, 2023
New resource	AWS::PCACConnectorAD::ServicePrincipalName resource type added.	July 19, 2023
New resource	AWS::PCACConnectorAD::Template resource type added.	July 19, 2023
New resource	AWS::PCACConnectorAD::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::VerifiedPermi ssions::IdentitySo urce resource type added.	June 11, 2023
New resource	AWS::VerifiedPermi ssions::Policy resource type added.	June 11, 2023
New resource	AWS::VerifiedPermi ssions::PolicyStore resource type added.	June 11, 2023
New resource	AWS::VerifiedPermi ssions::PolicyTemp late resource type added.	June 11, 2023
New resource	AWS::EC2::TransitG atewayRouteTable resource type added.	June 7, 2023
New resource	AWS::SecurityHub:: AutomationRule resource type added.	June 6, 2023
New resource	AWS::IAM::GroupPol icy 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:: Collaboration resource type added.	May 26, 2023
New resource	AWS::CleanRooms:: ConfiguredTable 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::InternetMonitor::Monitor resource type added.	January 31, 2023
New resource	AWS::FMS::ResourceSet resource type added.	January 30, 2023
New resource	AWS::SageMaker::ModelCard resource type added.	January 28, 2023
New resource	AWS::EC2::IPAMResourceDiscovery resource type added.	January 25, 2023
New resource	AWS::Omics::AnnotationStore resource type added.	January 25, 2023
New resource	AWS::Omics::ReferenceStore resource type added.	January 25, 2023
New resource	AWS::Omics::RunGroup resource type added.	January 25, 2023
New resource	AWS::Omics::SequenceStore resource type added.	January 25, 2023
New resource	AWS::Omics::VariantStore 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::IoTfleetwise: :Campaign resource type added.	August 16, 2022
New resource	AWS::IoTfleetwise: :DecoderManifest resource type added.	August 16, 2022
New resource	AWS::IoTfleetwise: :Fleet resource type added.	August 16, 2022
New resource	AWS::IoTfleetwise: :ModelManifest resource type added.	August 16, 2022
New resource	AWS::IoTfleetwise: :SignalCatalog resource type added.	August 16, 2022
New resource	AWS::IoTfleetwise: :Vehicle resource type added.	August 16, 2022
New resource	AWS::NetworkManager: :TransitGatewayPeering resource type added.	August 16, 2022
New resource	AWS::NetworkManager: :TransitGatewayRouteTableAttachment 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:: LocationFSxONTAP 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::BatchScramSecret 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::Ap pBlock resource type added.	November 10, 2021
New resource	AWS::AppStream::Ap plication resource type added.	November 10, 2021
New resource	AWS::AppStream::Ap plicationFleetAsso ciation resource type added.	November 10, 2021
New resource	AWS::RDS::DBCluste rParameterGroup resource type added.	November 10, 2021
New resource	AWS::RDS::DBInstance resource type added.	November 10, 2021
New resource	AWS::RDS::DBParame terGroup resource type added.	November 10, 2021
New resource	AWS::RDS::DBSubnet Group resource type added.	November 10, 2021
New resource	AWS::RDS::EventSub scription resource type added.	November 10, 2021
New resource	AWS::Route53Resolv er::ResolverRuleAs sociation resource type added.	November 9, 2021
New resource	AWS::RefactorSpace s::Application resource type added.	November 8, 2021

New resource	AWS::RefactorSpace::Environment resource type added.	November 8, 2021
New resource	AWS::Connect::Cont actFlow resource type added.	November 7, 2021
New resource	AWS::Connect::Cont actFlowModule resource type added.	November 7, 2021
New resource	AWS::Lambda::Url resource type added.	November 5, 2021
New resource	AWS::CloudFront::R esponseHeadersPoli cy resource type added.	November 4, 2021
New resource	AWS::EC2::NetworkI nsightsAccessScope resource type added.	November 4, 2021
New resource	AWS::SupportApp::A ccountAlias resource type added.	November 3, 2021
New resource	AWS::SupportApp::S lackChannelConfigu ration 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