aws

API Reference

AWS Control Tower

API Version 2018-05-10

AWS Control Tower: API Reference

Table of Contents

Welcome

AWS Control Tower offers application programming interface (API) operations that support programmatic interaction with these types of resources:

- *Controls*

  - DisableControl

  - EnableControl

  - GetEnabledControl

  - ListControlOperations

  - ListEnabledControls

  - UpdateEnabledControl

- *Landing zones*

  - CreateLandingZone

  - DeleteLandingZone

  - GetLandingZone

  - GetLandingZoneOperation

  - ListLandingZones

  - ListLandingZoneOperations

  - ResetLandingZone

  - UpdateLandingZone

- *Baselines*

  - DisableBaseline

  - EnableBaseline

  - GetBaseline

  - GetBaselineOperation

  - GetEnabledBaseline

  - ListBaselines

  - ListEnabledBaselines

  - ResetEnabledBaseline

  - UpdateEnabledBaseline

- *Tagging*

  - ListTagsForResource

  - TagResource

  - UntagResource

For more information about these types of resources, see the *AWS Control Tower User Guide*.

About control APIs

These interfaces allow you to apply the AWS library of pre-defined *controls* to your organizational units, programmatically. In AWS Control Tower, the terms "control" and "guardrail" are synonyms.

To call these APIs, you'll need to know:

- the `controlIdentifier` for the control--or guardrail--you are targeting.

- the ARN associated with the target organizational unit (OU), which we call the `targetIdentifier`.

- the ARN associated with a resource that you wish to tag or untag.

To get the `controlIdentifier` for your AWS Control Tower control:

The `controlIdentifier` is an ARN that is specified for each control. You can view the `controlIdentifier` in the console on the **Control details** page, as well as in the documentation.

About identifiers for AWS Control Tower

The AWS Control Tower `controlIdentifier` is unique in each AWS Region for each control. You can find the `controlIdentifier` for each Region and control in the Tables of control metadata or the Control availability by Region tables in the *AWS Control Tower Controls Reference Guide*.

A quick-reference list of control identifers for the AWS Control Tower legacy *Strongly recommended* and *Elective* controls is given in Resource identifiers for APIs and controls in the *AWS Control Tower Controls Reference Guide*. Remember that *Mandatory* controls cannot be added or removed.

> ⓘ **Note**
>
>   **Some controls have two identifiers**

- **ARN format for AWS Control Tower:** `arn:aws:controltower:`
  `{REGION}::control/{CONTROL_TOWER_OPAQUE_ID}`

  Example:

  `arn:aws:controltower:us-west-2::control/AWS-`
  `GR_AUTOSCALING_LAUNCH_CONFIG_PUBLIC_IP_DISABLED`

- **ARN format for AWS Control Catalog:** `arn:`
  `{PARTITION}:controlcatalog:::control/{CONTROL_CATALOG_OPAQUE_ID}`

  You can find the {CONTROL_CATALOG_OPAQUE_ID} in the *AWS Control Tower Controls Reference Guide*, or in the AWS Control Tower console, on the **Control details** page. The AWS Control Tower APIs for enabled controls, such as `GetEnabledControl` and `ListEnabledControls` always return an ARN of the same type given when the control was enabled.

To get the `targetIdentifier`:

The `targetIdentifier` is the ARN for an OU.

In the AWS Organizations console, you can find the ARN for the OU on the **Organizational unit details** page associated with that OU.

> ⓘ **Note**
>
> **OU ARN format:**
> `arn:${Partition}:organizations::${MasterAccountId}:ou/o-`
> `${OrganizationId}/ou-${OrganizationalUnitId}`

About landing zone APIs

You can configure and launch an AWS Control Tower landing zone with APIs. For an introduction and steps, see Getting started with AWS Control Tower using APIs.

For an overview of landing zone API operations, see AWS Control Tower supports landing zone APIs. The individual API operations for landing zones are detailed in this document, the API reference manual, in the "Actions" section.

About baseline APIs

You can apply the `AWSControlTowerBaseline` baseline to an organizational unit (OU) as a way to register the OU with AWS Control Tower, programmatically. For a general overview of this capability, see AWS Control Tower supports APIs for OU registration and configuration with baselines.

You can call the baseline API operations to view the baselines that AWS Control Tower enables for your landing zone, on your behalf, when setting up the landing zone. These baselines are read-only baselines.

The individual API operations for baselines are detailed in this document, the API reference manual, in the "Actions" section. For usage examples, see Baseline API input and output examples with CLI.

About AWS Control Catalog identifiers

- The `EnableControl` and `DisableControl` API operations can be called by specifying either the AWS Control Tower identifer or the AWS Control Catalog identifier. The API response returns the same type of identifier that you specified when calling the API.

- If you use an AWS Control Tower identifier to call the `EnableControl` API, and then call `EnableControl` again with an AWS Control Catalog identifier, AWS Control Tower returns an error message stating that the control is already enabled. Similar behavior applies to the `DisableControl` API operation.

- Mandatory controls and the landing-zone-level Region deny control have AWS Control Tower identifiers only.

Details and examples

- Control API input and output examples with CLI
- Baseline API input and output examples with CLI
- Enable controls with CloudFormation
- Launch a landing zone with CloudFormation
- Control metadata tables (large page)

- Control availability by Region tables (large page)

- List of identifiers for legacy controls

- Controls reference guide

- Controls library groupings

- Creating AWS Control Tower resources with AWS CloudFormation

To view the open source resource repository on GitHub, see aws-cloudformation/aws-cloudformation-resource-providers-controltower

Recording API Requests

AWS Control Tower supports AWS CloudTrail, a service that records AWS API calls for your AWS account and delivers log files to an Amazon S3 bucket. By using information collected by CloudTrail, you can determine which requests the AWS Control Tower service received, who made the request and when, and so on. For more about AWS Control Tower and its support for CloudTrail, see Logging AWS Control Tower Actions with AWS CloudTrail in the AWS Control Tower User Guide. To learn more about CloudTrail, including how to turn it on and find your log files, see the AWS CloudTrail User Guide.

This document was last published on September 6, 2024.

Actions

The following actions are supported:

- CreateLandingZone
- DeleteLandingZone
- DisableBaseline
- DisableControl
- EnableBaseline
- EnableControl
- GetBaseline
- GetBaselineOperation
- GetControlOperation
- GetEnabledBaseline
- GetEnabledControl
- GetLandingZone
- GetLandingZoneOperation
- ListBaselines
- ListControlOperations
- ListEnabledBaselines
- ListEnabledControls
- ListLandingZoneOperations
- ListLandingZones
- ListTagsForResource
- ResetEnabledBaseline
- ResetLandingZone
- TagResource
- UntagResource
- UpdateEnabledBaseline
- UpdateEnabledControl
- UpdateLandingZone

CreateLandingZone

Creates a new landing zone. This API call starts an asynchronous operation that creates and configures a landing zone, based on the parameters specified in the manifest JSON file.

Request Syntax

```
POST /create-landingzone HTTP/1.1
Content-type: application/json

{
   "manifest": JSON value,
   "tags": {
      "string" : "string"
   },
   "version": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

manifest

The manifest JSON file is a text file that describes your AWS resources. For examples, review [Launch your landing zone](#).

Type: JSON value

Required: Yes

tags

Tags to be applied to the landing zone.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

version

The landing zone version, for example, 3.0.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 10.

Pattern: ^\d+.\d+$

Required: Yes

Response Syntax

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

{
    "arn": "string",
    "operationIdentifier": "string"
}
```

Response Elements

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

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

arn

The ARN of the landing zone resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:aws[0-9a-zA-Z_\-:\/]+$

operationIdentifier

A unique identifier assigned to a `CreateLandingZone` operation. You can use this identifier as an input of `GetLandingZoneOperation` to check the operation's status.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteLandingZone

Decommissions a landing zone. This API call starts an asynchronous operation that deletes AWS Control Tower resources deployed in accounts managed by AWS Control Tower.

Request Syntax

```
POST /delete-landingzone HTTP/1.1
Content-type: application/json

{
    "landingZoneIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

landingZoneIdentifier

The unique identifier of the landing zone.

Type: String

Required: Yes

Response Syntax

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

{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

>A unique identifier assigned to a `DeleteLandingZone` operation. You can use this identifier as an input parameter of `GetLandingZoneOperation` to check the operation's status.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

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- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DisableBaseline

Disable an `EnabledBaseline` resource on the specified Target. This API starts an asynchronous operation to remove all resources deployed as part of the baseline enablement. The resource will vary depending on the enabled baseline. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /disable-baseline HTTP/1.1
Content-type: application/json

{
   "enabledBaselineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

enabledBaselineIdentifier

Identifier of the `EnabledBaseline` resource to be deactivated, in ARN format.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

The ID (in UUID format) of the asynchronous `DisableBaseline` operation. This `operationIdentifier` is used to track status through calls to the `GetBaselineOperation` API.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

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- [AWS SDK for Ruby V3](#)

DisableControl

This API call turns off a control. It starts an asynchronous operation that deletes AWS resources on the specified organizational unit and the accounts it contains. The resources will vary according to the control that you specify. For usage examples, see the *Controls Reference Guide*.

Request Syntax

```
POST /disable-control HTTP/1.1
Content-type: application/json

{
   "controlIdentifier": "string",
   "targetIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

controlIdentifier

   The ARN of the control. Only **Strongly recommended** and **Elective** controls are permitted, with the exception of the **Region deny** control. For information on how to find the `controlIdentifier`, see the overview page.

   Type: String

   Length Constraints: Minimum length of 20. Maximum length of 2048.

   Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

   Required: Yes

targetIdentifier

   The ARN of the organizational unit. For information on how to find the `targetIdentifier`, see the overview page.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Response Syntax

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

{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

The ID of the asynchronous operation, which is used to track status. The operation is available for 90 days.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

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- [AWS SDK for .NET](#)

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- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

EnableBaseline

Enable (apply) a `Baseline` to a Target. This API starts an asynchronous operation to deploy resources specified by the `Baseline` to the specified Target. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /enable-baseline HTTP/1.1
Content-type: application/json

{
   "baselineIdentifier": "string",
   "baselineVersion": "string",
   "parameters": [
      {
         "key": "string",
         "value": JSON value
      }
   ],
   "tags": {
      "string" : "string"
   },
   "targetIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

baselineIdentifier

The ARN of the baseline to be enabled.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

baselineVersion

The specific version to be enabled of the specified baseline.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: `^\d+(?:\.\d+){0,2}$`

Required: Yes

parameters

A list of `key-value` objects that specify enablement parameters, where `key` is a string and `value` is a document of any type.

Type: Array of [EnabledBaselineParameter](#) objects

Required: No

tags

Tags associated with input to `EnableBaseline`.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

targetIdentifier

The ARN of the target on which the baseline will be enabled. Only OUs are supported as targets.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Response Syntax

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

{
    "arn": "string",
    "operationIdentifier": "string"
}
```

Response Elements

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

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

arn

The ARN of the `EnabledBaseline` resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

operationIdentifier

The ID (in UUID format) of the asynchronous `EnableBaseline` operation. This `operationIdentifier` is used to track status through calls to the `GetBaselineOperation` API.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

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- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

EnableControl

This API call activates a control. It starts an asynchronous operation that creates AWS resources on the specified organizational unit and the accounts it contains. The resources created will vary according to the control that you specify. For usage examples, see the *Controls Reference Guide*.

Request Syntax

```
POST /enable-control HTTP/1.1
Content-type: application/json

{
   "controlIdentifier": "string",
   "parameters": [
      {
         "key": "string",
         "value": JSON value
      }
   ],
   "tags": {
      "string" : "string"
   },
   "targetIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

controlIdentifier

The ARN of the control. Only **Strongly recommended** and **Elective** controls are permitted, with the exception of the **Region deny** control. For information on how to find the `controlIdentifier`, see the overview page.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

parameters

A list of input parameter values, which are specified to configure the control when you enable it.

Type: Array of [EnabledControlParameter](#) objects

Required: No

tags

Tags to be applied to the `EnabledControl` resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

targetIdentifier

The ARN of the organizational unit. For information on how to find the `targetIdentifier`, see [the overview page](#).

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "arn": "string",
    "operationIdentifier": "string"
}
```

Response Elements

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

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

arn

The ARN of the `EnabledControl` resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

operationIdentifier

The ID of the asynchronous operation, which is used to track status. The operation is available for 90 days.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetBaseline

Retrieve details about an existing `Baseline` resource by specifying its identifier. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /get-baseline HTTP/1.1
Content-type: application/json

{
    "baselineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

baselineIdentifier

The ARN of the `Baseline` resource to be retrieved.

Type: String

Pattern: `^arn:[a-z-]+:controltower:[a-z0-9-]*:[0-9]{0,12}:baseline/[A-Z0-9]{16}$`

Required: Yes

Response Syntax

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

{
    "arn": "string",
```

```
    "description": "string",
    "name": "string"
}
```

Response Elements

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

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

arn

   The baseline ARN.

   Type: String

   Pattern: `^arn:[a-z-]+:controltower:[a-z0-9-]*:[0-9]{0,12}:baseline/[A-Z0-9]{16}$`

description

   A description of the baseline.

   Type: String

name

   A user-friendly name for the baseline.

   Type: String

Errors

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

AccessDeniedException

   You do not have sufficient access to perform this action.

   HTTP Status Code: 403

InternalServerException

   An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

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- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetBaselineOperation

Returns the details of an asynchronous baseline operation, as initiated by any of these APIs:
`EnableBaseline`, `DisableBaseline`, `UpdateEnabledBaseline`, `ResetEnabledBaseline`.
A status message is displayed in case of operation failure. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /get-baseline-operation HTTP/1.1
Content-type: application/json

{
    "operationIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

operationIdentifier

The operation ID returned from mutating asynchronous APIs (Enable, Disable, Update, Reset).

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Required: Yes

Response Syntax

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

```
{
   "baselineOperation": {
      "endTime": "string",
      "operationIdentifier": "string",
      "operationType": "string",
      "startTime": "string",
      "status": "string",
      "statusMessage": "string"
   }
}
```

Response Elements

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

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

baselineOperation

A `baselineOperation` object that shows information about the specified operation ID.

Type: BaselineOperation object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetControlOperation

Returns the status of a particular `EnableControl` or `DisableControl` operation. Displays a message in case of error. Details for an operation are available for 90 days. For usage examples, see the *Controls Reference Guide*.

Request Syntax

```
POST /get-control-operation HTTP/1.1
Content-type: application/json

{
    "operationIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

operationIdentifier

The ID of the asynchronous operation, which is used to track status. The operation is available for 90 days.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "controlOperation": {
        "controlIdentifier": "string",
        "enabledControlIdentifier": "string",
        "endTime": "string",
        "operationIdentifier": "string",
        "operationType": "string",
        "startTime": "string",
        "status": "string",
        "statusMessage": "string",
        "targetIdentifier": "string"
    }
}
```

Response Elements

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

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

controlOperation

An operation performed by the control.

Type: ControlOperation object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetEnabledBaseline

Retrieve details of an `EnabledBaseline` resource by specifying its identifier.

Request Syntax

```
POST /get-enabled-baseline HTTP/1.1
Content-type: application/json

{
    "enabledBaselineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

enabledBaselineIdentifier

Identifier of the `EnabledBaseline` resource to be retrieved, in ARN format.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Response Syntax

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

{
    "enabledBaselineDetails": {
        "arn": "string",
```

```
      "baselineIdentifier": "string",
      "baselineVersion": "string",
      "parameters": [
         {
            "key": "string",
            "value": JSON value
         }
      ],
      "statusSummary": {
         "lastOperationIdentifier": "string",
         "status": "string"
      },
      "targetIdentifier": "string"
   }
}
```

Response Elements

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

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

enabledBaselineDetails

Details of the `EnabledBaseline` resource.

Type: EnabledBaselineDetails object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- [AWS SDK for .NET](AWS SDK for .NET)
- [AWS SDK for C++](AWS SDK for C++)
- [AWS SDK for Go v2](AWS SDK for Go v2)
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- [AWS SDK for PHP V3](AWS SDK for PHP V3)
- AWS SDK for Python
- AWS SDK for Ruby V3

GetEnabledControl

Retrieves details about an enabled control. For usage examples, see the *Controls Reference Guide*.

Request Syntax

```
POST /get-enabled-control HTTP/1.1
Content-type: application/json

{
    "enabledControlIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

enabledControlIdentifier

The `controlIdentifier` of the enabled control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Response Syntax

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

{
    "enabledControlDetails": {
        "arn": "string",
```

```
        "controlIdentifier": "string",
        "driftStatusSummary": {
            "driftStatus": "string"
        },
        "parameters": [
            {
                "key": "string",
                "value": JSON value
            }
        ],
        "statusSummary": {
            "lastOperationIdentifier": "string",
            "status": "string"
        },
        "targetIdentifier": "string",
        "targetRegions": [
            {
                "name": "string"
            }
        ]
    }
}
```

Response Elements

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

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

enabledControlDetails

Information about the enabled control.

Type: EnabledControlDetails object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetLandingZone

Returns details about the landing zone. Displays a message in case of error.

Request Syntax

```
POST /get-landingzone HTTP/1.1
Content-type: application/json

{
    "landingZoneIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

landingZoneIdentifier

The unique identifier of the landing zone.

Type: String

Required: Yes

Response Syntax

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

{
    "landingZone": {
        "arn": "string",
        "driftStatus": {
            "status": "string"
        },
```

```
        "latestAvailableVersion": "string",
        "manifest": JSON value,
        "status": "string",
        "version": "string"
    }
}
```

Response Elements

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

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

landingZone

Information about the landing zone.

Type: LandingZoneDetail object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetLandingZoneOperation

Returns the status of the specified landing zone operation. Details for an operation are available for 90 days.

Request Syntax

```
POST /get-landingzone-operation HTTP/1.1
Content-type: application/json

{
    "operationIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

operationIdentifier

A unique identifier assigned to a landing zone operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Required: Yes

Response Syntax

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

{
```

```
    "operationDetails": {
        "endTime": "string",
        "operationIdentifier": "string",
        "operationType": "string",
        "startTime": "string",
        "status": "string",
        "statusMessage": "string"
    }
}
```

Response Elements

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

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

operationDetails

Details about a landing zone operation.

Type: LandingZoneOperationDetail object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListBaselines

Returns a summary list of all available baselines. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /list-baselines HTTP/1.1
Content-type: application/json

{
    "maxResults": number,
    "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

   The maximum number of results to be shown.

   Type: Integer

   Valid Range: Minimum value of 4. Maximum value of 100.

   Required: No

nextToken

   A pagination token.

   Type: String

   Required: No

Response Syntax

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

{
   "baselines": [
      {
         "arn": "string",
         "description": "string",
         "name": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

baselines

A list of `Baseline` object details.

Type: Array of BaselineSummary objects

nextToken

A pagination token.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListControlOperations

Provides a list of operations in progress or queued. For usage examples, see ListControlOperation examples.

Request Syntax

```
POST /list-control-operations HTTP/1.1
Content-type: application/json

{
   "filter": {
      "controlIdentifiers": [ "string" ],
      "controlOperationTypes": [ "string" ],
      "enabledControlIdentifiers": [ "string" ],
      "statuses": [ "string" ],
      "targetIdentifiers": [ "string" ]
   },
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filter

An input filter for the ListControlOperations API that lets you select the types of control operations to view.

Type: ControlOperationFilter object

Required: No

maxResults

The maximum number of results to be shown.

Type: Integer

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

Required: No

nextToken

A pagination token.

Type: String

Pattern: \S+

Required: No

Response Syntax

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

{
   "controlOperations": [
      {
         "controlIdentifier": "string",
         "enabledControlIdentifier": "string",
         "endTime": "string",
         "operationIdentifier": "string",
         "operationType": "string",
         "startTime": "string",
         "status": "string",
         "statusMessage": "string",
         "targetIdentifier": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

controlOperations

Returns a list of output from control operations.

Type: Array of ControlOperationSummary objects

nextToken

A pagination token.

Type: String

Pattern: \S+

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

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

ListEnabledBaselines

Returns a list of summaries describing `EnabledBaseline` resources. You can filter the list by the corresponding `Baseline` or `Target` of the `EnabledBaseline` resources. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /list-enabled-baselines HTTP/1.1
Content-type: application/json

{
   "filter": {
      "baselineIdentifiers": [ "string" ],
      "targetIdentifiers": [ "string" ]
   },
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filter

A filter applied on the `ListEnabledBaseline` operation. Allowed filters are `baselineIdentifiers` and `targetIdentifiers`. The filter can be applied for either, or both.

Type: EnabledBaselineFilter object

Required: No

maxResults

The maximum number of results to be shown.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 100.

Required: No

nextToken

A pagination token.

Type: String

Pattern: \S+

Required: No

Response Syntax

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

{
   "enabledBaselines": [
      {
         "arn": "string",
         "baselineIdentifier": "string",
         "baselineVersion": "string",
         "statusSummary": {
            "lastOperationIdentifier": "string",
            "status": "string"
         },
         "targetIdentifier": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

enabledBaselines

Retuens a list of summaries of `EnabledBaseline` resources.

Type: Array of EnabledBaselineSummary objects

nextToken

A pagination token.

Type: String

Pattern: \S+

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListEnabledControls

Lists the controls enabled by AWS Control Tower on the specified organizational unit and the accounts it contains. For usage examples, see the *Controls Reference Guide*.

Request Syntax

```
POST /list-enabled-controls HTTP/1.1
Content-type: application/json

{
   "filter": {
      "controlIdentifiers": [ "string" ],
      "driftStatuses": [ "string" ],
      "statuses": [ "string" ]
   },
   "maxResults": number,
   "nextToken": "string",
   "targetIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filter

An input filter for the `ListEnabledControls` API that lets you select the types of control operations to view.

Type: EnabledControlFilter object

Required: No

maxResults

How many results to return per API call.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 200.

Required: No

nextToken

The token to continue the list from a previous API call with the same parameters.

Type: String

Required: No

targetIdentifier

The ARN of the organizational unit. For information on how to find the `targetIdentifier`, see [the overview page](#).

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

Response Syntax

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

{
   "enabledControls": [
      {
         "arn": "string",
         "controlIdentifier": "string",
         "driftStatusSummary": {
            "driftStatus": "string"
         },
         "statusSummary": {
            "lastOperationIdentifier": "string",
            "status": "string"
         },
```

```
            "targetIdentifier": "string"
        }
    ],
    "nextToken": "string"
}
```

Response Elements

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

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

enabledControls

Lists the controls enabled by AWS Control Tower on the specified organizational unit and the accounts it contains.

Type: Array of EnabledControlSummary objects

nextToken

Retrieves the next page of results. If the string is empty, the response is the end of the results.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListLandingZoneOperations

Lists all landing zone operations from the past 90 days. Results are sorted by time, with the most recent operation first.

Request Syntax

```
POST /list-landingzone-operations HTTP/1.1
Content-type: application/json

{
    "filter": {
        "statuses": [ "string" ],
        "types": [ "string" ]
    },
    "maxResults": number,
    "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

filter

An input filter for the `ListLandingZoneOperations` API that lets you select the types of landing zone operations to view.

Type: LandingZoneOperationFilter object

Required: No

maxResults

How many results to return per API call.

Type: Integer

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

Required: No

nextToken

The token to continue the list from a previous API call with the same parameters.

Type: String

Required: No

Response Syntax

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

{
    "landingZoneOperations": [
        {
            "operationIdentifier": "string",
            "operationType": "string",
            "status": "string"
        }
    ],
    "nextToken": "string"
}
```

Response Elements

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

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

landingZoneOperations

Lists landing zone operations.

Type: Array of LandingZoneOperationSummary objects

nextToken

Retrieves the next page of results. If the string is empty, the response is the end of the results.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListLandingZones

Returns the landing zone ARN for the landing zone deployed in your managed account. This API also creates an ARN for existing accounts that do not yet have a landing zone ARN.

Returns one landing zone ARN.

Request Syntax

```
POST /list-landingzones HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

The maximum number of returned landing zone ARNs, which is one.

Type: Integer

Valid Range: Fixed value of 1.

Required: No

nextToken

The token to continue the list from a previous API call with the same parameters.

Type: String

Required: No

Response Syntax

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

{
   "landingZones": [
      {
         "arn": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

landingZones

   The ARN of the landing zone.

   Type: Array of LandingZoneSummary objects

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

nextToken

   Retrieves the next page of results. If the string is empty, the response is the end of the results.

   Type: String

Errors

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

AccessDeniedException

   You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

Returns a list of tags associated with the resource. For usage examples, see the *Controls Reference Guide*.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

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

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

tags

A list of tags, as `key:value` strings.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Errors

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

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ResetEnabledBaseline

Re-enables an `EnabledBaseline` resource. For example, this API can re-apply the existing `Baseline` after a new member account is moved to the target OU. For usage examples, see *the AWS Control Tower User Guide*.

Request Syntax

```
POST /reset-enabled-baseline HTTP/1.1
Content-type: application/json

{
    "enabledBaselineIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

enabledBaselineIdentifier

    Specifies the ID of the `EnabledBaseline` resource to be re-enabled, in ARN format.

    Type: String

    Length Constraints: Minimum length of 20. Maximum length of 2048.

    Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

    Required: Yes

Response Syntax

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

```
{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

The ID (in UUID format) of the asynchronous `ResetEnabledBaseline` operation. This `operationIdentifier` is used to track status through calls to the `GetBaselineOperation` API.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ResetLandingZone

This API call resets a landing zone. It starts an asynchronous operation that resets the landing zone to the parameters specified in the original configuration, which you specified in the manifest file. Nothing in the manifest file's original landing zone configuration is changed during the reset process, by default. This API is not the same as a rollback of a landing zone version, which is not a supported operation.

Request Syntax

```
POST /reset-landingzone HTTP/1.1
Content-type: application/json

{
    "landingZoneIdentifier": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

landingZoneIdentifier

The unique identifier of the landing zone.

Type: String

Required: Yes

Response Syntax

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

{
    "operationIdentifier": "string"
```

```
}
```

Response Elements

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

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

operationIdentifier

A unique identifier assigned to a `ResetLandingZone` operation. You can use this identifier as an input parameter of `GetLandingZoneOperation` to check the operation's status.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

TagResource

Applies tags to a resource. For usage examples, see the *Controls Reference Guide*.

Request Syntax

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

{
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource to be tagged.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

Tags to be applied to the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes tags from a resource. For usage examples, see the *Controls Reference Guide*.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

tagKeys

Tag keys to be removed from the resource.

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateEnabledBaseline

Updates an `EnabledBaseline` resource's applied parameters or version. For usage examples, see _the AWS Control Tower User Guide_.

Request Syntax

```
POST /update-enabled-baseline HTTP/1.1
Content-type: application/json

{
   "baselineVersion": "string",
   "enabledBaselineIdentifier": "string",
   "parameters": [
      {
         "key": "string",
         "value": JSON value
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

baselineVersion

Specifies the new `Baseline` version, to which the `EnabledBaseline` should be updated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: ^\d+(?:\.\d+){0,2}$

Required: Yes

enabledBaselineIdentifier

Specifies the `EnabledBaseline` resource to be updated.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

parameters

Parameters to apply when making an update.

Type: Array of EnabledBaselineParameter objects

Required: No

Response Syntax

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

{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

The ID (in UUID format) of the asynchronous `UpdateEnabledBaseline` operation. This `operationIdentifier` is used to track status through calls to the `GetBaselineOperation` API.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateEnabledControl

Updates the configuration of an already enabled control.

If the enabled control shows an `EnablementStatus` of SUCCEEDED, supply parameters that are different from the currently configured parameters. Otherwise, AWS Control Tower will not accept the request.

If the enabled control shows an `EnablementStatus` of FAILED, AWS Control Tower updates the control to match any valid parameters that you supply.

If the `DriftSummary` status for the control shows as DRIFTED, you cannot call this API. Instead, you can update the control by calling `DisableControl` and again calling `EnableControl`, or you can run an extending governance operation. For usage examples, see the *Controls Reference Guide*.

Request Syntax

```
POST /update-enabled-control HTTP/1.1
Content-type: application/json

{
   "enabledControlIdentifier": "string",
   "parameters": [
      {
         "key": "string",
         "value": JSON value
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

enabledControlIdentifier

The ARN of the enabled control that will be updated.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

parameters

A key/value pair, where `Key` is of type `String` and `Value` is of type `Document`.

Type: Array of EnabledControlParameter objects

Required: Yes

Response Syntax

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

{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

The operation identifier for this `UpdateEnabledControl` operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota to be exceeded. The limit is 10 concurrent operations.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateLandingZone

This API call updates the landing zone. It starts an asynchronous operation that updates the landing zone based on the new landing zone version, or on the changed parameters specified in the updated manifest file.

Request Syntax

```
POST /update-landingzone HTTP/1.1
Content-type: application/json

{
   "landingZoneIdentifier": "string",
   "manifest": JSON value,
   "version": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

landingZoneIdentifier

The unique identifier of the landing zone.

Type: String

Required: Yes

manifest

The manifest file (JSON) is a text file that describes your AWS resources. For an example, review Launch your landing zone. The example manifest file contains each of the available parameters. The schema for the landing zone's JSON manifest file is not published, by design.

Type: JSON value

Required: Yes

version

The landing zone version, for example, 3.2.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 10.

Pattern: ^\d+.\d+$

Required: Yes

Response Syntax

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

{
    "operationIdentifier": "string"
}
```

Response Elements

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

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

operationIdentifier

A unique identifier assigned to a `UpdateLandingZone` operation. You can use this identifier as an input of `GetLandingZoneOperation` to check the operation's status.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting the resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ResourceNotFoundException

The request references a resource that does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by an AWS service.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Control Tower API contains several data types that various actions use. This section describes each data type in detail.

> **ⓘ Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- BaselineOperation
- BaselineSummary
- ControlOperation
- ControlOperationFilter
- ControlOperationSummary
- DriftStatusSummary
- EnabledBaselineDetails
- EnabledBaselineFilter
- EnabledBaselineParameter
- EnabledBaselineParameterSummary
- EnabledBaselineSummary
- EnabledControlDetails
- EnabledControlFilter
- EnabledControlParameter
- EnabledControlParameterSummary
- EnabledControlSummary
- EnablementStatusSummary
- LandingZoneDetail
- LandingZoneDriftStatusSummary
- LandingZoneOperationDetail

- [LandingZoneOperationFilter](#)
- [LandingZoneOperationSummary](#)
- [LandingZoneSummary](#)
- [Region](#)

BaselineOperation

An object of shape `BaselineOperation`, returning details about the specified `Baseline` operation ID.

Contents

endTime

The end time of the operation (if applicable), in ISO 8601 format.

Type: Timestamp

Required: No

operationIdentifier

The identifier of the specified operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Required: No

operationType

An enumerated type (enum) with possible values of ENABLE_BASELINE, DISABLE_BASELINE, UPDATE_ENABLED_BASELINE, or RESET_ENABLED_BASELINE.

Type: String

Valid Values: ENABLE_BASELINE | DISABLE_BASELINE | UPDATE_ENABLED_BASELINE | RESET_ENABLED_BASELINE

Required: No

startTime

The start time of the operation, in ISO 8601 format.

Type: Timestamp

Required: No

status

An enumerated type (enum) with possible values of SUCCEEDED, FAILED, or IN_PROGRESS.

Type: String

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS

Required: No

statusMessage

A status message that gives more information about the operation's status, if applicable.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

BaselineSummary

Returns a summary of information about a `Baseline` object.

Contents

arn

The full ARN of a Baseline.

Type: String

Required: Yes

name

The human-readable name of a Baseline.

Type: String

Required: Yes

description

A summary description of a Baseline.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ControlOperation

An operation performed by the control.

Contents

controlIdentifier

The `controlIdentifier` of the control for the operation.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

enabledControlIdentifier

The `controlIdentifier` of the enabled control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

endTime

The time that the operation finished.

Type: Timestamp

Required: No

operationIdentifier

The identifier of the specified operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Required: No

operationType

One of ENABLE_CONTROL or DISABLE_CONTROL.

Type: String

Valid Values: ENABLE_CONTROL | DISABLE_CONTROL | UPDATE_ENABLED_CONTROL

Required: No

startTime

The time that the operation began.

Type: Timestamp

Required: No

status

One of IN_PROGRESS, SUCEEDED, or FAILED.

Type: String

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS

Required: No

statusMessage

If the operation result is FAILED, this string contains a message explaining why the operation failed.

Type: String

Required: No

targetIdentifier

The target upon which the control operation is working.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ControlOperationFilter

A filter object that lets you call `ListControlOperations` with a specific filter.

Contents

controlIdentifiers

The set of `controlIdentifier` returned by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

controlOperationTypes

The set of `ControlOperation` objects returned by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `ENABLE_CONTROL | DISABLE_CONTROL | UPDATE_ENABLED_CONTROL`

Required: No

enabledControlIdentifiers

The set `controlIdentifier` of enabled controls selected by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

statuses

Lists the status of control operations.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS

Required: No

targetIdentifiers

The set of `targetIdentifier` objects returned by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ControlOperationSummary

A summary of information about the specified control operation.

Contents

controlIdentifier

The `controlIdentifier` of a control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

enabledControlIdentifier

The `controlIdentifier` of an enabled control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

endTime

The time at which the control operation was completed.

Type: Timestamp

Required: No

operationIdentifier

The unique identifier of a control operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: ^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$

Required: No

operationType

The type of operation.

Type: String

Valid Values: ENABLE_CONTROL | DISABLE_CONTROL | UPDATE_ENABLED_CONTROL

Required: No

startTime

The time at which a control operation began.

Type: Timestamp

Required: No

status

The status of the specified control operation.

Type: String

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS

Required: No

statusMessage

A speficic message displayed as part of the control status.

Type: String

Required: No

targetIdentifier

The unique identifier of the target of a control operation.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DriftStatusSummary

The drift summary of the enabled control.

AWS Control Tower expects the enabled control configuration to include all supported and governed Regions. If the enabled control differs from the expected configuration, it is defined to be in a state of drift. You can repair this drift by resetting the enabled control.

Contents

driftStatus

The drift status of the enabled control.

Valid values:

- DRIFTED: The enabledControl deployed in this configuration doesn't match the configuration that AWS Control Tower expected.
- IN_SYNC: The enabledControl deployed in this configuration matches the configuration that AWS Control Tower expected.
- NOT_CHECKING: AWS Control Tower does not check drift for this enabled control. Drift is not supported for the control type.
- UNKNOWN: AWS Control Tower is not able to check the drift status for the enabled control.

Type: String

Valid Values: DRIFTED | IN_SYNC | NOT_CHECKING | UNKNOWN

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnabledBaselineDetails

Details of the `EnabledBaseline` resource.

Contents

arn

The ARN of the `EnabledBaseline` resource.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

baselineIdentifier

The specific `Baseline` enabled as part of the `EnabledBaseline` resource.

Type: String

Required: Yes

statusSummary

The deployment summary of an `EnabledControl` or `EnabledBaseline` resource.

Type: EnablementStatusSummary object

Required: Yes

targetIdentifier

The target on which to enable the `Baseline`.

Type: String

Required: Yes

baselineVersion

The enabled version of the `Baseline`.

Type: String

Required: No

parameters

Shows the parameters that are applied when enabling this `Baseline`.

Type: Array of [EnabledBaselineParameterSummary](#) objects

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnabledBaselineFilter

A filter applied on the `ListEnabledBaseline` operation. Allowed filters are `baselineIdentifiers` and `targetIdentifiers`. The filter can be applied for either, or both.

Contents

baselineIdentifiers

Identifiers for the `Baseline` objects returned as part of the filter operation.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

targetIdentifiers

Identifiers for the targets of the `Baseline` filter operation.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

EnabledBaselineParameter

A key-value parameter to an `EnabledBaseline` resource.

Contents

key

A string denoting the parameter key.

Type: String

Required: Yes

value

A low-level `Document` object of any type (for example, a Java Object).

Type: JSON value

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnabledBaselineParameterSummary

Summary of an applied parameter to an `EnabledBaseline` resource.

Contents

key

A string denoting the parameter key.

Type: String

Required: Yes

value

A low-level document object of any type (for example, a Java Object).

Type: JSON value

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnabledBaselineSummary

Returns a summary of information about an `EnabledBaseline` object.

Contents

arn

The ARN of the `EnabledBaseline` resource

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: Yes

baselineIdentifier

The specific baseline that is enabled as part of the `EnabledBaseline` resource.

Type: String

Required: Yes

statusSummary

The deployment summary of an `EnabledControl` or `EnabledBaseline` resource.

Type: EnablementStatusSummary object

Required: Yes

targetIdentifier

The target upon which the baseline is enabled.

Type: String

Required: Yes

baselineVersion

The enabled version of the baseline.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnabledControlDetails

Information about the enabled control.

Contents

arn

The ARN of the enabled control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

controlIdentifier

The control identifier of the enabled control. For information on how to find the `controlIdentifier`, see the overview page.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

driftStatusSummary

The drift status of the enabled control.

Type: DriftStatusSummary object

Required: No

parameters

Array of `EnabledControlParameter` objects.

Type: Array of EnabledControlParameterSummary objects

Required: No

statusSummary

The deployment summary of the enabled control.

Type: EnablementStatusSummary object

Required: No

targetIdentifier

The ARN of the organizational unit. For information on how to find the `targetIdentifier`, see the overview page.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

targetRegions

Target AWS Regions for the enabled control.

Type: Array of Region objects

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnabledControlFilter

A structure that returns a set of control identifiers, the control status for each control in the set, and the drift status for each control in the set.

Contents

controlIdentifiers

The set of `controlIdentifier` returned by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

driftStatuses

A list of `DriftStatus` items.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `DRIFTED | IN_SYNC | NOT_CHECKING | UNKNOWN`

Required: No

statuses

A list of `EnablementStatus` items.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `SUCCEEDED | FAILED | UNDER_CHANGE`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnabledControlParameter

A key/value pair, where `Key` is of type `String` and `Value` is of type `Document`.

Contents

key

The key of a key/value pair.

Type: String

Required: Yes

value

The value of a key/value pair.

Type: JSON value

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnabledControlParameterSummary

Returns a summary of information about the parameters of an enabled control.

Contents

key

The key of a key/value pair.

Type: String

Required: Yes

value

The value of a key/value pair.

Type: JSON value

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnabledControlSummary

Returns a summary of information about an enabled control.

Contents

arn

The ARN of the enabled control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

controlIdentifier

The `controlIdentifier` of the enabled control.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

driftStatusSummary

The drift status of the enabled control.

Type: [DriftStatusSummary](#) object

Required: No

statusSummary

A short description of the status of the enabled control.

Type: [EnablementStatusSummary](#) object

Required: No

targetIdentifier

The ARN of the organizational unit.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EnablementStatusSummary

The deployment summary of an `EnabledControl` or `EnabledBaseline` resource.

Contents

lastOperationIdentifier

The last operation identifier for the enabled resource.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Required: No

status

The deployment status of the enabled resource.

Valid values:

- `SUCCEEDED`: The `EnabledControl` or `EnabledBaseline` configuration was deployed successfully.
- `UNDER_CHANGE`: The `EnabledControl` or `EnabledBaseline` configuration is changing.
- `FAILED`: The `EnabledControl` or `EnabledBaseline` configuration failed to deploy.

Type: String

Valid Values: `SUCCEEDED | FAILED | UNDER_CHANGE`

Required: No

See Also

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

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

LandingZoneDetail

Information about the landing zone.

Contents

manifest

The landing zone manifest JSON text file that specifies the landing zone configurations.

Type: JSON value

Required: Yes

version

The landing zone's current deployed version.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 10.

Pattern: ^\d+.\d+$

Required: Yes

arn

The ARN of the landing zone.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: ^arn:aws[0-9a-zA-Z_\-:\/]+$

Required: No

driftStatus

The drift status of the landing zone.

Type: LandingZoneDriftStatusSummary object

Required: No

latestAvailableVersion

The latest available version of the landing zone.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 10.

Pattern: ^\d+.\d+$

Required: No

status

The landing zone deployment status. One of `ACTIVE`, `PROCESSING`, `FAILED`.

Type: String

Valid Values: `ACTIVE | PROCESSING | FAILED`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LandingZoneDriftStatusSummary

The drift status summary of the landing zone.

If the landing zone differs from the expected configuration, it is defined to be in a state of drift. You can repair this drift by resetting the landing zone.

Contents

status

The drift status of the landing zone.

Valid values:

- DRIFTED: The landing zone deployed in this configuration does not match the configuration that AWS Control Tower expected.
- IN_SYNC: The landing zone deployed in this configuration matches the configuration that AWS Control Tower expected.

Type: String

Valid Values: DRIFTED | IN_SYNC

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LandingZoneOperationDetail

Information about a landing zone operation.

Contents

endTime

The landing zone operation end time.

Type: Timestamp

Required: No

operationIdentifier

The `operationIdentifier` of the landing zone operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Required: No

operationType

The landing zone operation type.

Valid values:

- DELETE: The `DeleteLandingZone` operation.
- CREATE: The `CreateLandingZone` operation.
- UPDATE: The `UpdateLandingZone` operation.
- RESET: The `ResetLandingZone` operation.

Type: String

Valid Values: `DELETE | CREATE | UPDATE | RESET`

Required: No

startTime

The landing zone operation start time.

Type: Timestamp

Required: No

status

Valid values:

- SUCCEEDED: The landing zone operation succeeded.
- IN_PROGRESS: The landing zone operation is in progress.
- FAILED: The landing zone operation failed.

Type: String

Valid Values: SUCCEEDED | FAILED | IN_PROGRESS

Required: No

statusMessage

If the operation result is FAILED, this string contains a message explaining why the operation failed.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LandingZoneOperationFilter

A filter object that lets you call `ListLandingZoneOperations` with a specific filter.

Contents

statuses

The statuses of the set of landing zone operations selected by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `SUCCEEDED | FAILED | IN_PROGRESS`

Required: No

types

The set of landing zone operation types selected by the filter.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `DELETE | CREATE | UPDATE | RESET`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LandingZoneOperationSummary

Returns a summary of information about a landing zone operation.

Contents

operationIdentifier

The `operationIdentifier` of the landing zone operation.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^[a-f0-9]{8}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{4}-[a-f0-9]{12}$`

Required: No

operationType

The type of the landing zone operation.

Type: String

Valid Values: `DELETE | CREATE | UPDATE | RESET`

Required: No

status

The status of the landing zone operation.

Type: String

Valid Values: `SUCCEEDED | FAILED | IN_PROGRESS`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LandingZoneSummary

Returns a summary of information about a landing zone.

Contents

arn

The ARN of the landing zone.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `^arn:aws[0-9a-zA-Z_\-:\/]+$`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Region

An AWS Region in which AWS Control Tower expects to find the control deployed.

The expected Regions are based on the Regions that are governed by the landing zone. In certain cases, a control is not actually enabled in the Region as expected, such as during drift, or [mixed governance](#).

Contents

name

    The AWS Region name.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 50.

    Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

Action

>   The action to be performed.

>   Type: string

>   Required: Yes

Version

>   The API version that the request is written for, expressed in the format YYYY-MM-DD.

>   Type: string

>   Required: Yes

X-Amz-Algorithm

>   The hash algorithm that you used to create the request signature.

>   Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

>   Type: string

>   Valid Values: `AWS4-HMAC-SHA256`

>   Required: Conditional

X-Amz-Credential

>   The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400