



API Reference

AWS Control Tower



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AWS Control Tower: API Reference

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Table of Contents

Welcome	1
Actions	6
CreateLandingZone	8
Request Syntax	8
URI Request Parameters	8
Request Body	8
Response Syntax	9
Response Elements	10
Errors	10
See Also	11
DeleteLandingZone	13
Request Syntax	13
URI Request Parameters	13
Request Body	13
Response Syntax	13
Response Elements	14
Errors	14
See Also	15
DisableBaseline	17
Request Syntax	17
URI Request Parameters	17
Request Body	17
Response Syntax	17
Response Elements	18
Errors	18
See Also	19
DisableControl	21
Request Syntax	21
URI Request Parameters	21
Request Body	21
Response Syntax	22
Response Elements	22
Errors	23
See Also	24

EnableBaseline	25
Request Syntax	25
URI Request Parameters	25
Request Body	25
Response Syntax	27
Response Elements	27
Errors	28
See Also	29
EnableControl	30
Request Syntax	30
URI Request Parameters	30
Request Body	30
Response Syntax	31
Response Elements	32
Errors	32
See Also	34
GetBaseline	35
Request Syntax	35
URI Request Parameters	35
Request Body	35
Response Syntax	35
Response Elements	36
Errors	36
See Also	37
GetBaselineOperation	39
Request Syntax	39
URI Request Parameters	39
Request Body	39
Response Syntax	39
Response Elements	40
Errors	40
See Also	41
GetControlOperation	43
Request Syntax	43
URI Request Parameters	43
Request Body	43

Response Syntax	43
Response Elements	44
Errors	44
See Also	45
GetEnabledBaseline	47
Request Syntax	47
URI Request Parameters	47
Request Body	47
Response Syntax	47
Response Elements	48
Errors	48
See Also	49
GetEnabledControl	51
Request Syntax	51
URI Request Parameters	51
Request Body	51
Response Syntax	51
Response Elements	52
Errors	53
See Also	54
GetLandingZone	55
Request Syntax	55
URI Request Parameters	55
Request Body	55
Response Syntax	55
Response Elements	56
Errors	56
See Also	57
GetLandingZoneOperation	58
Request Syntax	58
URI Request Parameters	58
Request Body	58
Response Syntax	58
Response Elements	59
Errors	59
See Also	60

ListBaselines	61
Request Syntax	61
URI Request Parameters	61
Request Body	61
Response Syntax	62
Response Elements	62
Errors	62
See Also	63
ListControlOperations	65
Request Syntax	65
URI Request Parameters	65
Request Body	65
Response Syntax	66
Response Elements	66
Errors	67
See Also	68
ListEnabledBaselines	69
Request Syntax	69
URI Request Parameters	69
Request Body	69
Response Syntax	70
Response Elements	71
Errors	71
See Also	72
ListEnabledControls	74
Request Syntax	74
URI Request Parameters	74
Request Body	74
Response Syntax	75
Response Elements	76
Errors	77
See Also	78
ListLandingZoneOperations	79
Request Syntax	79
URI Request Parameters	79
Request Body	79

Response Syntax	80
Response Elements	80
Errors	81
See Also	81
ListLandingZones	83
Request Syntax	83
URI Request Parameters	83
Request Body	83
Response Syntax	84
Response Elements	84
Errors	84
See Also	85
ListTagsForResource	87
Request Syntax	87
URI Request Parameters	87
Request Body	87
Response Syntax	87
Response Elements	87
Errors	88
See Also	88
ResetEnabledBaseline	90
Request Syntax	90
URI Request Parameters	90
Request Body	90
Response Syntax	90
Response Elements	91
Errors	91
See Also	92
ResetEnabledControl	94
Request Syntax	94
URI Request Parameters	94
Request Body	94
Response Syntax	94
Response Elements	95
Errors	95
See Also	96

ResetLandingZone	98
Request Syntax	98
URI Request Parameters	98
Request Body	98
Response Syntax	98
Response Elements	99
Errors	99
See Also	100
TagResource	102
Request Syntax	102
URI Request Parameters	102
Request Body	102
Response Syntax	103
Response Elements	103
Errors	103
See Also	103
UntagResource	105
Request Syntax	105
URI Request Parameters	105
Request Body	105
Response Syntax	105
Response Elements	106
Errors	106
See Also	106
UpdateEnabledBaseline	108
Request Syntax	108
URI Request Parameters	108
Request Body	108
Response Syntax	109
Response Elements	109
Errors	110
See Also	111
UpdateEnabledControl	112
Request Syntax	112
URI Request Parameters	112
Request Body	112

Response Syntax	113
Response Elements	113
Errors	114
See Also	115
UpdateLandingZone	116
Request Syntax	116
URI Request Parameters	116
Request Body	116
Response Syntax	117
Response Elements	117
Errors	118
See Also	119
Data Types	120
BaselineOperation	122
Contents	122
See Also	123
BaselineSummary	124
Contents	124
See Also	124
ControlOperation	125
Contents	125
See Also	127
ControlOperationFilter	128
Contents	128
See Also	129
ControlOperationSummary	130
Contents	130
See Also	132
DriftStatusSummary	133
Contents	133
See Also	133
EnabledBaselineDetails	135
Contents	135
See Also	136
EnabledBaselineDriftStatusSummary	137
Contents	137

See Also	137
EnabledBaselineDriftTypes	138
Contents	138
See Also	138
EnabledBaselineFilter	140
Contents	140
See Also	141
EnabledBaselineInheritanceDrift	142
Contents	142
See Also	142
EnabledBaselineParameter	143
Contents	143
See Also	143
EnabledBaselineParameterSummary	144
Contents	144
See Also	144
EnabledBaselineSummary	145
Contents	145
See Also	146
EnabledControlDetails	147
Contents	147
See Also	148
EnabledControlDriftTypes	150
Contents	150
See Also	150
EnabledControlFilter	151
Contents	151
See Also	152
EnabledControlInheritanceDrift	154
Contents	154
See Also	154
EnabledControlParameter	155
Contents	155
See Also	155
EnabledControlParameterSummary	156
Contents	156

See Also	156
EnabledControlResourceDrift	157
Contents	157
See Also	157
EnabledControlSummary	158
Contents	158
See Also	159
EnablementStatusSummary	160
Contents	160
See Also	160
LandingZoneDetail	162
Contents	162
See Also	163
LandingZoneDriftStatusSummary	165
Contents	165
See Also	165
LandingZoneOperationDetail	166
Contents	166
See Also	167
LandingZoneOperationFilter	168
Contents	168
See Also	168
LandingZoneOperationSummary	169
Contents	169
See Also	169
LandingZoneSummary	171
Contents	171
See Also	171
Region	172
Contents	172
See Also	172
Common Parameters	173
Common Error Types	176

Welcome

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

- [*Controls*](#)
 - [DisableControl](#)
 - [EnableControl](#)
 - [GetEnabledControl](#)
 - [GetControlOperation](#)
 - [ListControlOperations](#)
 - [ListEnabledControls](#)
 - [ResetEnabledControl](#)
 - [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 identifiers 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 identifier 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 May 22, 2026.

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](#)
- [ResetEnabledControl](#)
- [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,
  "remediationTypes": [ "string" ],
  "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

remediationTypes

Specifies the types of remediation actions to apply when creating the landing zone, such as automatic drift correction or compliance enforcement.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: INHERITANCE_DRIFT

Required: No

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 Error Types](#).

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

InternalServerErrorException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [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.

Decommissioning a landing zone is a process with significant consequences, and it cannot be undone. We strongly recommend that you perform this decommissioning process only if you intend to stop using your landing zone.

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 Error Types](#).

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

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [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 Error Types](#).

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

InternalServerError

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
  "enabledControlIdentifier": "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: No

enabledControlIdentifier

The ARN of the enabled control to be disabled, which uniquely identifies the control instance on the target organizational unit.

Type: String

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

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

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

{
  "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 Error Types](#).

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

InternalServerError

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
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- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [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 Error Types](#).

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

InternalServerErrorException

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

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

InternalServerErrorException

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [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",
"driftStatusSummary": {
  "types": {
    "inheritance": {
      "status": "string"
    }
  }
},
"parameters": [
  {
    "key": "string",
    "value": JSON value
  }
],
"parentIdentifier": "string",
"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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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",
    "types": {
      "inheritance": {
        "status": "string"
      },
      "resource": {
        "status": "string"
      }
    }
  },
  "parameters": [
    {
      "key": "string",
      "value": JSON value
    }
  ],
  "parentIdentifier": "string",
  "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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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,
"remediationTypes": [ "string" ],
"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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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" ],
    "inheritanceDriftStatuses": [ "string" ],
    "parentIdentifiers": [ "string" ],
    "statuses": [ "string" ],
    "targetIdentifiers": [ "string" ]
  },
  "includeChildren": boolean,
  "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

includeChildren

A value that can be set to include the child enabled baselines in responses. The default value is false.

Type: Boolean

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",
      "driftStatusSummary": {
        "types": {
          "inheritance": {
            "status": "string"
          }
        }
      }
    }
  ]
}
```

```
    }
  },
  "parentIdentifier": "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

Returns 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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [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" ],
    "inheritanceDriftStatuses": [ "string" ],
    "parentIdentifiers": [ "string" ],
    "resourceDriftStatuses": [ "string" ],
    "statuses": [ "string" ]
  },
  "includeChildren": boolean,
  "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

includeChildren

A boolean value that determines whether to include enabled controls from child organizational units in the response.

Type: Boolean

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",
        "types": {
          "inheritance": {
            "status": "string"
          },
          "resource": {
            "status": "string"
          }
        }
      },
      "parentIdentifier": "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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An unexpected error occurred during processing of a request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

InternalServerErrorException

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 V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

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

InternalServerErrorException

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

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

ResetEnabledControl

Resets an enabled control. Does not work for controls implemented with SCPs.

Request Syntax

```
POST /reset-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 ARN of the enabled control to be reset.

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 operation identifier for this `ResetEnabledControl` 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 Error Types](#).

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

InternalServerErrorException

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

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

InternalServerError

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

InternalServerErrorException

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 V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

InternalServerError

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 Error Types](#).

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

InternalServerErrorException

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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 the `ResetEnabledControl` API. Alternatively, you can call `DisableControl` and then call `EnableControl` again. Also, you can run an extending governance operation to repair drift. 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 Error Types](#).

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

InternalServerErrorException

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. See [Service quotas](#).

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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,
  "remediationTypes": [ "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.

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

remediationTypes

Specifies the types of remediation actions to apply when updating the landing zone configuration.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: INHERITANCE_DRIFT

Required: No

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 Error Types](#).

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

InternalServerErrorException

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.

quotaCode

The ID of the service quota that was exceeded.

retryAfterSeconds

The number of seconds the caller should wait before retrying.

serviceCode

The ID of the service that is associated with the error.

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 V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [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](#)
- [EnabledBaselineDriftStatusSummary](#)
- [EnabledBaselineDriftTypes](#)
- [EnabledBaselineFilter](#)
- [EnabledBaselineInheritanceDrift](#)
- [EnabledBaselineParameter](#)
- [EnabledBaselineParameterSummary](#)
- [EnabledBaselineSummary](#)
- [EnabledControlDetails](#)
- [EnabledControlDriftTypes](#)
- [EnabledControlFilter](#)
- [EnabledControlInheritanceDrift](#)
- [EnabledControlParameter](#)
- [EnabledControlParameterSummary](#)

- [EnabledControlResourceDrift](#)
- [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 | RESET_ENABLED_CONTROL

Required: No

startTime

The time that the operation began.

Type: Timestamp

Required: No

status

One of IN_PROGRESS, SUCCEEDED, 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` | `RESET_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` | `RESET_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 specific 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

types

An object that categorizes the different types of drift detected for the enabled control.

Type: [EnabledControlDriftTypes](#) object

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

driftStatusSummary

The drift status of the enabled baseline.

Type: [EnabledBaselineDriftStatusSummary](#) object

Required: No

parameters

Shows the parameters that are applied when enabling this Baseline.

Type: Array of [EnabledBaselineParameterSummary](#) objects

Required: No

parentIdentifier

An ARN that represents the parent EnabledBaseline at the Organizational Unit (OU) level, from which the child EnabledBaseline inherits its configuration. The value is returned by GetEnabledBaseline.

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](#)

EnabledBaselineDriftStatusSummary

The drift summary of the enabled baseline. AWS Control Tower reports inheritance drift when an enabled baseline configuration of a member account is different than the configuration that applies to the OU. AWS Control Tower reports this type of drift for a parent or child enabled baseline. One way to repair this drift by resetting the parent enabled baseline, on the OU.

For example, you may see this type of drift if you move accounts between OUs, but the accounts are not yet (re-)enrolled.

Contents

types

The types of drift that can be detected for an enabled baseline. AWS Control Tower detects inheritance drift on enabled baselines that apply at the OU level.

Type: [EnabledBaselineDriftTypes](#) object

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](#)

EnabledBaselineDriftTypes

The types of drift that can be detected for an enabled baseline.

- AWS Control Tower detects inheritance drift on the enabled baselines that target OUs: `AWSControlTowerBaseline` and `BackupBaseline`.
- AWS Control Tower does not detect drift on the baselines that apply to your landing zone: `IdentityCenterBaseline`, `AuditBaseline`, `LogArchiveBaseline`, `BackupCentralVaultBaseline`, or `BackupAdminBaseline`. For more information, see [Types of baselines](#).

Baselines enabled on an OU are inherited by its member accounts as child `EnabledBaseline` resources. The baseline on the OU serves as the parent `EnabledBaseline`, which governs the configuration of each child `EnabledBaseline`.

If the baseline configuration of a member account in an OU does not match the configuration of the parent OU, the parent and child baseline is in a state of inheritance drift. This drift could occur in the `AWSControlTowerBaseline` or the `BackupBaseline` related to that account.

Contents

inheritance

At least one account within the target OU does not match the baseline configuration defined on that OU. An account is in inheritance drift when it does not match the configuration of a parent OU, possibly a new parent OU, if the account is moved.

Type: [EnabledBaselineInheritanceDrift](#) object

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

inheritanceDriftStatuses

A list of `EnabledBaselineDriftStatus` items for enabled baselines.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: `IN_SYNC` | `DRIFTED`

Required: No

parentIdentifiers

An optional filter that sets up a list of `parentIdentifiers` to filter the results of the `ListEnabledBaseline` output.

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

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

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](#)

EnabledBaselineInheritanceDrift

The inheritance drift summary for the enabled baseline. Inheritance drift occurs when any accounts in the target OU do not match the baseline configuration defined on that OU.

Contents

status

The inheritance drift status for enabled baselines.

Type: String

Valid Values: IN_SYNC | DRIFTED

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

driftStatusSummary

The drift status of the enabled baseline.

Type: [EnabledBaselineDriftStatusSummary](#) object

Required: No

parentIdentifier

An ARN that represents an object returned by `ListEnabledBaseline`, to describe an enabled baseline.

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](#)

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

parentIdentifier

The ARN of the parent enabled control from which this control inherits its configuration, if applicable.

Type: String

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

Pattern: `arn:aws[0-9a-zA-Z_\-\:\|]+`

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](#)

EnabledControlDriftTypes

Defines the various categories of drift that can occur for an enabled control resource.

Contents

inheritance

Indicates drift related to inheritance configuration between parent and child controls.

Type: [EnabledControlInheritanceDrift](#) object

Required: No

resource

Indicates drift related to the underlying AWS resources managed by the control.

Type: [EnabledControlResourceDrift](#) object

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

inheritanceDriftStatuses

Filters enabled controls by their inheritance drift status, allowing you to find controls with specific inheritance-related drift conditions.

Type: Array of strings

Array Members: Fixed number of 1 item.

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

Required: No

parentIdentifiers

Filters enabled controls by their parent control identifiers, allowing you to find child controls of specific parent controls.

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

resourceDriftStatuses

Filters enabled controls by their resource drift status, allowing you to find controls with specific resource-related drift conditions.

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](#)

EnabledControlInheritanceDrift

Represents drift information related to control inheritance between organizational units.

Contents

status

The status of inheritance drift for the enabled control, indicating whether inheritance configuration matches expectations.

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](#)

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](#)

EnabledControlResourceDrift

Represents drift information related to the underlying AWS resources managed by the control.

Contents

status

The status of resource drift for the enabled control, indicating whether the underlying resources match the expected configuration.

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](#)

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_\-:\V]+`

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_\-:\V]+`

Required: No

driftStatusSummary

The drift status of the enabled control.

Type: [DriftStatusSummary](#) object

Required: No

parentIdentifier

The ARN of the parent enabled control from which this control inherits its configuration, if applicable.

Type: String

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

Pattern: `arn:aws[0-9a-zA-Z_\-:\v]+`

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_\-:\v]+`

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

remediationTypes

The types of remediation actions configured for the landing zone, such as automatic drift correction or compliance enforcement.

Type: Array of strings

Array Members: Fixed number of 1 item.

Valid Values: INHERITANCE_DRIFT

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*.

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 Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400