aws

API Reference

Pricing Plan Manager

API Version 2025-08-05

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Pricing Plan Manager: API Reference

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

Table of Contents

Welcome **1**
Actions **2**
ApprovePaidSubscription 3
Request Syntax 3
URI Request Parameters 3
Request Body 3
Response Syntax 4
Response Elements 4
Errors 6
See Also 7
AssociateResourcesToSubscription 9
Request Syntax 9
URI Request Parameters 9
Request Body 9
Response Syntax 10
Response Elements 11
Errors 13
See Also 14
CancelSubscription 15
Request Syntax 15
URI Request Parameters 15
Request Body 15
Response Syntax 16
Response Elements 17
Errors 18
See Also 20
CancelSubscriptionChange 21
Request Syntax 21
URI Request Parameters 21
Request Body 21
Response Syntax 22
Response Elements 22
Errors 24
See Also 25

CreateSubscription ... 27
Request Syntax ... 27
URI Request Parameters ... 27
Request Body ... 27
Response Syntax ... 29
Response Elements ... 30
Errors ... 31
See Also ... 33
DisassociateResourcesFromSubscription ... 34
Request Syntax ... 34
URI Request Parameters ... 34
Request Body ... 34
Response Syntax ... 35
Response Elements ... 36
Errors ... 37
See Also ... 39
GetSubscription ... 40
Request Syntax ... 40
URI Request Parameters ... 40
Request Body ... 40
Response Syntax ... 40
Response Elements ... 41
Errors ... 43
See Also ... 44
ListSubscriptions ... 45
Request Syntax ... 45
URI Request Parameters ... 45
Request Body ... 45
Response Syntax ... 45
Response Elements ... 46
Errors ... 46
See Also ... 47
UpdateSubscription ... 49
Request Syntax ... 49
URI Request Parameters ... 49
Request Body ... 50

Response Syntax 50
Response Elements 51
Errors 53
See Also 54
Data Types 56
ScheduledChange 57
Contents 57
See Also 58
Subscription 59
Contents 59
See Also 61
SubscriptionSummary 62
Contents 62
See Also 64
Common Parameters 65
Common Error Types 68

Welcome

Manages flat-rate pricing subscriptions for supported AWS services. Use this API to create, approve, update, and cancel subscriptions; associate and disassociate resources; and retrieve subscription details. With a flat-rate pricing subscription, you pay a fixed recurring fee for eligible resources instead of usage-based pricing.

This document was last published on October 5, 2026.

Actions

The following actions are supported:

- ApprovePaidSubscription
- AssociateResourcesToSubscription
- CancelSubscription
- CancelSubscriptionChange
- CreateSubscription
- DisassociateResourcesFromSubscription
- GetSubscription
- ListSubscriptions
- UpdateSubscription

ApprovePaidSubscription

Approves a subscription that is in `PENDING_APPROVAL` status, activating it and starting billing.

> **Note**
>
> This operation requires the current `ETag` value for concurrency control. Retrieve it from a previous `GetSubscription` or `ListSubscriptions` response.

Request Syntax

```
POST /v1/ApprovePaidSubscription HTTP/1.1
If-Match: ifMatch
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

ifMatch

The `ETag` value from a previous `GetSubscription` or `ListSubscriptions` response. This ensures you are approving the expected version of the subscription.

Required: Yes

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription to approve.

Type: String

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

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is handled only once.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

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

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
   },
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string",
   "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The updated entity tag for concurrency control.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

AssociateResourcesToSubscription

Adds one or more resources to an existing subscription. The subscription must be in an active state that is not pending other changes.

> **Note**
>
> For subscriptions in the CloudFront plan family, the associated resources must include exactly one Amazon CloudFront distribution and one AWS WAF web ACL. You can also include other supported resources, such as Amazon Route 53 hosted zones, and CloudFront KeyValueStores.

Request Syntax

```
POST /v1/AssociateResourcesToSubscription HTTP/1.1
If-Match: ifMatch
Content-type: application/json

{
   "arn": "string",
   "clientToken": "string",
   "resourceArns": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ifMatch

The ETag value from a previous GetSubscription or ListSubscriptions response.

Required: Yes

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription to add resources to.

Type: String

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

Required: Yes

resourceArns

The ARNs of the resources to add to the subscription.

Type: Array of strings

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

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is handled only once.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

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

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
```

```
    "scheduledChange": {
       "changeType": "string",
       "effectiveDate": "string",
       "planTier": "string",
       "usageLevel": "string"
    },
    "status": "string",
    "statusReason": "string",
    "updatedAt": "string",
    "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The updated entity tag for concurrency control.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

CancelSubscription

Cancels a flat-rate pricing subscription.

> **Note**
>
> For active subscriptions, the cancellation is scheduled to take effect at the end of the current billing period. The subscription remains active until that date. To revert a pending cancellation, use `CancelSubscriptionChange`.
> For subscriptions in `PENDING_APPROVAL` status, the subscription is deleted immediately without scheduling.

Request Syntax

```
POST /v1/CancelSubscription HTTP/1.1
If-Match: ifMatch
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

ifMatch

The `ETag` value from a previous `GetSubscription` or `ListSubscriptions` response.

Required: Yes

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription to cancel.

Type: String

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

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is handled only once.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

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

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
   },
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string",
   "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The updated entity tag for concurrency control.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

CancelSubscriptionChange

Cancels a pending scheduled change on a subscription, such as a pending downgrade or cancellation. The subscription returns to its state before the change was scheduled.

> **Note**
>
> You cannot cancel a scheduled change close to its effective date. If the change is within the processing window, this operation returns an error.

Request Syntax

```
POST /v1/CancelSubscriptionChange HTTP/1.1
If-Match: ifMatch
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

ifMatch

The `ETag` value from a previous `GetSubscription` or `ListSubscriptions` response.

Required: Yes

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription whose pending change you want to cancel.

Type: String

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

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is handled only once.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

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

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
   },
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string",
   "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The updated entity tag for concurrency control.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

CreateSubscription

Creates a flat-rate pricing subscription for the specified resources.

> **Note**
>
> When `approvalMode` is set to `MANUAL`, paid-tier subscriptions are created in `PENDING_APPROVAL` status and require a separate `ApprovePaidSubscription` call before billing starts. Free-tier subscriptions are always activated immediately regardless of approval mode.
> When `approvalMode` is set to `IMMEDIATE` or is not specified, the subscription is activated immediately.

Request Syntax

```
POST /v1/CreateSubscription HTTP/1.1
Content-type: application/json

{
   "approvalMode": "string",
   "clientToken": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "usageLevel": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

planFamily

The pricing plan family to subscribe to, such as `CloudFront`.

Type: String

Required: Yes

planTier

The tier level for the subscription, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

Required: Yes

resourceArns

The ARNs of the AWS resources to include in the subscription. Specify one or more supported resources.

> **Note**
>
> For subscriptions in the CloudFront plan family, the resources must include exactly one Amazon CloudFront distribution and exactly one AWS WAF web ACL. You can also include other supported resources, such as Amazon Route 53 hosted zones and CloudFront KeyValueStores.

Type: Array of strings

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

Required: Yes

approvalMode

Determines whether the subscription requires explicit approval before billing starts. Set to `MANUAL` to require a separate `ApprovePaidSubscription` call, or `IMMEDIATE` to activate the subscription right away. For paid tier plans, this defaults to `MANUAL` if not specified. For the `FREE` plan tier, only `IMMEDIATE` is supported, and it is the default.

Type: String

Valid Values: `MANUAL | IMMEDIATE`

Required: No

clientToken

A unique, case-sensitive identifier that you provide to ensure that the request is handled only once. If you send the same request with the same client token, the API returns the original response without creating a duplicate subscription.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

usageLevel

The usage level within the plan tier. Specify `DEFAULT` for the base configuration, or a higher level if your plan tier supports it.

Type: String

Required: No

Response Syntax

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

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
   },
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string",
   "usageLevel": "string"
```

```
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The entity tag for concurrency control. Use this value in the `If-Match` header for subsequent operations on this subscription.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would exceed a service limit. You have reached the maximum number of subscriptions allowed for your account.

HTTP Status Code: 402

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

DisassociateResourcesFromSubscription

Removes one or more resources from an existing subscription.

> **Note**
>
> For subscriptions in the CloudFront plan family, the associated resources must always include exactly one Amazon CloudFront distribution and exactly one AWS WAF web ACL. You cannot remove these required resources.

Request Syntax

```
POST /v1/DisassociateResourcesFromSubscription HTTP/1.1
If-Match: ifMatch
Content-type: application/json

{
   "arn": "string",
   "clientToken": "string",
   "resourceArns": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ifMatch

The ETag value from a previous `GetSubscription` or `ListSubscriptions` response.

Required: Yes

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription to remove resources from.

Type: String

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

Required: Yes

resourceArns

The ARNs of the resources to remove from the subscription. For subscriptions in the CloudFront plan family, you cannot remove the required CloudFront distribution or WAF web ACL.

Type: Array of strings

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

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is handled only once.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

Response Syntax

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

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
```

```
    },
    "status": "string",
    "statusReason": "string",
    "updatedAt": "string",
    "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The updated entity tag for concurrency control.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

GetSubscription

Returns the details of a flat-rate pricing subscription, including its current status, associated resources, and any pending scheduled changes.

Request Syntax

```
POST /v1/GetSubscription HTTP/1.1
Content-type: application/json

{
   "arn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription to retrieve.

Type: String

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

Required: Yes

Response Syntax

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

{
```

```
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
   },
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string",
   "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The entity tag for concurrency control. Use this value in the `If-Match` header for subsequent operations on this subscription.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

ListSubscriptions

Returns a summary of all flat-rate pricing subscriptions in the calling account.

Request Syntax

```
POST /v1/ListSubscriptions HTTP/1.1
Content-type: application/json

{
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

nextToken

A token from a previous `ListSubscriptions` response. If the response included a `nextToken`, there are more results available. Pass this value to retrieve the next page of results.

Type: String

Required: No

Response Syntax

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

{
   "nextToken": "string",
   "subscriptionSummaries": [
      {
```

```
            "arn": "string",
            "createdAt": "string",
            "eTag": "string",
            "planFamily": "string",
            "planTier": "string",
            "resourceArns": [ "string" ],
            "scheduledChange": {
               "changeType": "string",
               "effectiveDate": "string",
               "planTier": "string",
               "usageLevel": "string"
            },
            "status": "string",
            "statusReason": "string",
            "updatedAt": "string",
            "usageLevel": "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.

subscriptionSummaries

The list of subscription summaries for the calling account.

Type: Array of SubscriptionSummary objects

nextToken

A token that indicates there are more results available. Pass this value in a subsequent `ListSubscriptions` request to retrieve the next page of results.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)
- AWS SDK for Ruby V3

UpdateSubscription

Changes the plan tier of an existing subscription.

> **Note**
>
> Upgrades take effect immediately. Downgrades are scheduled and the current tier remains unchanged until the end of the billing cycle (calendar month). You cannot update a subscription while a scheduled change is pending. To make a new change, first cancel the pending change using `CancelSubscriptionChange`.
> This operation replaces the plan tier value. If you omit the optional `usageLevel` field, it is reset to the default.

Request Syntax

```
POST /v1/UpdateSubscription HTTP/1.1
If-Match: ifMatch
Content-type: application/json

{
   "arn": "string",
   "clientToken": "string",
   "planTier": "string",
   "usageLevel": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ifMatch

The ETag value from a previous `GetSubscription` or `ListSubscriptions` response. This ensures you are updating the expected version of the subscription.

Required: Yes

Request Body

The request accepts the following data in JSON format.

arn

The ARN of the subscription to update.

Type: String

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

Required: Yes

planTier

The new tier level for the subscription.

Type: String

Required: Yes

clientToken

A unique, case-sensitive identifier that you provide to ensure the request is handled only once.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

usageLevel

The usage level within the plan tier. Specify `DEFAULT` for the base configuration. If omitted, the usage level is reset to the default.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
ETag: eTag
```

```
Content-type: application/json

{
   "arn": "string",
   "createdAt": "string",
   "planFamily": "string",
   "planTier": "string",
   "resourceArns": [ "string" ],
   "scheduledChange": {
      "changeType": "string",
      "effectiveDate": "string",
      "planTier": "string",
      "usageLevel": "string"
   },
   "status": "string",
   "statusReason": "string",
   "updatedAt": "string",
   "usageLevel": "string"
}
```

Response Elements

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

The response returns the following HTTP headers.

eTag

The updated entity tag for concurrency control.

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

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

Type: String

Errors

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

AccessDeniedException

You do not have the required permissions to perform this operation. Verify that your IAM policy grants access to this action.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource. This typically occurs when the `ETag` value in the `If-Match` header does not match the current version of the subscription. Retrieve the latest version and retry.

resourceId

The identifier of the resource that has a conflicting state.

HTTP Status Code: 409

InternalServerException

An unexpected error occurred on the server. Retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified subscription was not found. Verify that the ARN is correct and that the subscription belongs to your account.

resourceId

The identifier of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would exceed a service limit. You have reached the maximum number of subscriptions allowed for your account.

HTTP Status Code: 402

ThrottlingException

The request rate exceeds the allowed limit. Wait briefly and retry the request.

HTTP Status Code: 429

ValidationException

The request failed a business rule validation. For example, the specified resource might already be associated with another subscription, or the subscription might not be in the required state for this operation.

resourceId

The identifier of the resource that failed validation.

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 (Boto3)

- AWS SDK for Ruby V3

Data Types

The PricingPlanManager 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:

- ScheduledChange
- Subscription
- SubscriptionSummary

ScheduledChange

A pending change on a subscription that takes effect at the end of the current billing period, such as a tier downgrade or cancellation.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

changeType

The type of pending change. Possible values are `DOWNGRADE` (a tier change to a lower level) and `CANCELLATION` (subscription termination).

Type: String

Valid Values: `DOWNGRADE | CANCELLATION`

Required: Yes

effectiveDate

The date and time when the change takes effect, in ISO 8601 format. This value is populated after the change is confirmed by the billing system.

Type: Timestamp

Required: No

planTier

For downgrades, the tier level that the subscription will change to. Not present for cancellations.

Type: String

Required: No

usageLevel

For downgrades, the target usage level after the change takes effect.

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

Subscription

The full details of a flat-rate pricing subscription, including its current configuration, status, and associated resources.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

Required: Yes

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

Required: Yes

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

Required: Yes

planTier

The current tier level of the pricing plan, such as `FREE`, `PRO`, `BUSINESS`, or `PREMIUM`.

Type: String

Required: Yes

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

Required: Yes

status

The current status of the subscription. For the list of possible values, see the `Status` type.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

Required: Yes

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

Required: Yes

scheduledChange

A pending change that will take effect at the end of the current billing period. This field is present only when a downgrade or cancellation is scheduled.

Type: ScheduledChange object

Required: No

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

Required: No

usageLevel

The usage level within the plan tier. When present, indicates a specific capacity configuration beyond the base tier.

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

SubscriptionSummary

Summary information for a flat-rate pricing subscription, as returned by list operations.

Contents

> **Note**
>
> In the following list, the required parameters are described first.

arn

The Amazon Resource Name (ARN) that uniquely identifies this subscription.

Type: String

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

Required: Yes

createdAt

The date and time when the subscription was created, in ISO 8601 format.

Type: Timestamp

Required: Yes

eTag

The entity tag for concurrency control. Pass this value in the `If-Match` header when making changes to this subscription.

Type: String

Required: Yes

planFamily

The pricing plan family for the subscription, such as `CloudFront`.

Type: String

Required: Yes

planTier

The current tier level of the pricing plan.

Type: String

Required: Yes

resourceArns

The ARNs of the AWS resources covered by this subscription.

Type: Array of strings

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

Required: Yes

status

The current status of the subscription.

Type: String

Valid Values: `PENDING_APPROVAL | ACTIVE | SYNC_IN_PROGRESS | FAILED`

Required: Yes

updatedAt

The date and time when the subscription was last modified, in ISO 8601 format.

Type: Timestamp

Required: Yes

scheduledChange

A pending change that will take effect at the end of the current billing period, if any.

Type: ScheduledChange object

Required: No

statusReason

A human-readable explanation of the current status, present when additional context is available.

Type: String

Required: No

usageLevel

The usage level within the plan tier.

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

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