



API Reference

Service Quotas



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Service Quotas: API Reference

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Welcome

With Service Quotas, you can view and manage your quotas easily as your AWS workloads grow. Quotas, also referred to as limits, are the maximum number of resources that you can create in your AWS account. For more information, see the [Service Quotas User Guide](#).

You need AWS CLI version 2.13.20 or higher to view and manage resource-level quotas such as `Instances per domain` for Amazon OpenSearch Service.

This document was last published on April 18, 2026.

Actions

The following actions are supported:

- [AssociateServiceQuotaTemplate](#)
- [CreateSupportCase](#)
- [DeleteServiceQuotaIncreaseRequestFromTemplate](#)
- [DisassociateServiceQuotaTemplate](#)
- [GetAssociationForServiceQuotaTemplate](#)
- [GetAutoManagementConfiguration](#)
- [GetAWSDefaultServiceQuota](#)
- [GetQuotaUtilizationReport](#)
- [GetRequestedServiceQuotaChange](#)
- [GetServiceQuota](#)
- [GetServiceQuotaIncreaseRequestFromTemplate](#)
- [ListAWSDefaultServiceQuotas](#)
- [ListRequestedServiceQuotaChangeHistory](#)
- [ListRequestedServiceQuotaChangeHistoryByQuota](#)
- [ListServiceQuotaIncreaseRequestsInTemplate](#)
- [ListServiceQuotas](#)
- [ListServices](#)
- [ListTagsForResource](#)
- [PutServiceQuotaIncreaseRequestIntoTemplate](#)
- [RequestServiceQuotaIncrease](#)
- [StartAutoManagement](#)
- [StartQuotaUtilizationReport](#)
- [StopAutoManagement](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateAutoManagement](#)

AssociateServiceQuotaTemplate

Associates your quota request template with your organization. When a new AWS account is created in your organization, the quota increase requests in the template are automatically applied to the account. You can add a quota increase request for any adjustable quota to your template.

Related Actions

- [DisassociateServiceQuotaTemplate](#)
- [GetAssociationForServiceQuotaTemplate](#)
- [PutServiceQuotaIncreaseRequestIntoTemplate](#)

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

OrganizationNotInAllFeaturesModeException

The organization that your AWS account belongs to is not in All Features mode.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

CreateSupportCase

Creates a Support case for an existing quota increase request. This call only creates a Support case if the request has a Pending status.

Request Syntax

```
{  
  "RequestId": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

RequestId

The ID of the pending quota increase request for which you want to open a Support case.

Type: String

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

Pattern: [0-9a-zA-Z][a-zA-Z0-9-]{1,128}

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidResourceStateException

The resource is in an invalid state.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified resource already exists.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

DeleteServiceQuotaIncreaseRequestFromTemplate

Deletes the quota increase request for the specified quota from your quota request template.

Request Syntax

```
{
  "AwsRegion": "string",
  "QuotaCode": "string",
  "ServiceCode": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

AwsRegion

Specifies the AWS Region for which the request was made.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

DisassociateServiceQuotaTemplate

Disables your quota request template. After a template is disabled, the quota increase requests in the template are not applied to new AWS accounts in your organization. Disabling a quota request template does not apply its quota increase requests.

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

ServiceQuotaTemplateNotInUseException

The quota request template is not associated with your organization.

HTTP Status Code: 400

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetAssociationForServiceQuotaTemplate

Retrieves the status of the association for the quota request template.

Response Syntax

```
{  
  "ServiceQuotaTemplateAssociationStatus": "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.

[ServiceQuotaTemplateAssociationStatus](#)

The association status. If the status is ASSOCIATED, the quota increase requests in the template are automatically applied to new AWS accounts in your organization.

Type: String

Valid Values: ASSOCIATED | DISASSOCIATED

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

ServiceQuotaTemplateNotInUseException

The quota request template is not associated with your organization.

HTTP Status Code: 400

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetAutoManagementConfiguration

Retrieves information about your [Service Quotas Automatic Management](#) configuration. Automatic Management monitors your Service Quotas utilization and notifies you before you run out of your allocated quotas.

Response Syntax

```
{
  "ExclusionList": {
    "string" : [
      {
        "QuotaCode": "string",
        "QuotaName": "string"
      }
    ]
  },
  "NotificationArn": "string",
  "OptInLevel": "string",
  "OptInStatus": "string",
  "OptInType": "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.

ExclusionList

List of AWS services excluded from Automatic Management. You won't be notified of Service Quotas utilization for AWS services added to the Automatic Management exclusion list.

Type: String to array of [QuotaInfo](#) objects map

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

Key Pattern: [A-Za-z0-9-_/]{1,128}

NotificationArn

The [AWS User Notifications](#) Amazon Resource Name (ARN) for Automatic Management notifications.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[\w]+)*:*.+:[\0-9]{12}:.+`

OptInLevel

Information on the opt-in level for Automatic Management. Only AWS account level is supported.

Type: String

Valid Values: ACCOUNT

OptInStatus

Status on whether Automatic Management is started or stopped.

Type: String

Valid Values: ENABLED | DISABLED

OptInType

Information on the opt-in type for Automatic Management. There are two modes: Notify only and Notify and Auto-Adjust. Currently, only NotifyOnly is available.

Type: String

Valid Values: NotifyOnly | NotifyAndAdjust

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetAWSDefaultServiceQuota

Retrieves the default value for the specified quota. The default value does not reflect any quota increases.

Related Actions

- [ListAWSDefaultServiceQuotas](#)
- [ListServices](#)
- [ListServiceQuotas](#)

Request Syntax

```
{
  "QuotaCode": "string",
  "ServiceCode": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[QuotaCode](#)

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: Yes

Response Syntax

```
{
  "Quota": {
    "Adjustable": boolean,
    "Description": "string",
    "ErrorReason": {
      "ErrorCode": "string",
      "ErrorMessage": "string"
    },
    "GlobalQuota": boolean,
    "Period": {
      "PeriodUnit": "string",
      "PeriodValue": number
    },
    "QuotaAppliedAtLevel": "string",
    "QuotaArn": "string",
    "QuotaCode": "string",
    "QuotaContext": {
      "ContextId": "string",
      "ContextScope": "string",
      "ContextScopeType": "string"
    },
    "QuotaName": "string",
    "ServiceCode": "string",
    "ServiceName": "string",
    "Unit": "string",
    "UsageMetric": {
      "MetricDimensions": {
```

```
    "string" : "string"
  },
  "MetricName": "string",
  "MetricNamespace": "string",
  "MetricStatisticRecommendation": "string"
},
"Value": number
}
```

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.

Quota

Information about the quota.

Type: [ServiceQuota](#) object

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetQuotaUtilizationReport

Retrieves the quota utilization report for your AWS account. This operation returns paginated results showing your quota usage across all AWS services, sorted by utilization percentage in descending order (highest utilization first).

You must first initiate a report using the `StartQuotaUtilizationReport` operation. The report generation process is asynchronous and may take several seconds to complete. Poll this operation periodically to check the status and retrieve results when the report is ready.

Each report contains up to 1,000 quota records per page. Use the `NextToken` parameter to retrieve additional pages of results. Reports are automatically deleted after 15 minutes.

Related Actions

- [StartQuotaUtilizationReport](#)

Request Syntax

```
{
  "MaxResults": number,
  "NextToken": "string",
  "ReportId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[MaxResults](#)

The maximum number of results to return per page. The default value is 1,000 and the maximum allowed value is 1,000.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

NextToken

A token that indicates the next page of results to retrieve. This token is returned in the response when there are more results available. Omit this parameter for the first request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

ReportId

The unique identifier for the quota utilization report. This identifier is returned by the `StartQuotaUtilizationReport` operation.

Type: String

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

Pattern: `[0-9a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

Response Syntax

```
{
  "ErrorCode": "string",
  "ErrorMessage": "string",
  "GeneratedAt": number,
  "NextToken": "string",
  "Quotas": [
    {
      "Adjustable": boolean,
      "AppliedValue": number,
      "DefaultValue": number,
      "Namespace": "string",
      "QuotaCode": "string",
      "QuotaName": "string",
```

```
    "ServiceCode": "string",
    "ServiceName": "string",
    "Utilization": number
  }
],
"ReportId": "string",
"Status": "string",
"TotalCount": number
}
```

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.

ErrorCode

An error code indicating the reason for failure when the report status is FAILED. This field is only present when the status is FAILED.

Type: String

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

Pattern: [a-zA-Z][a-zA-Z0-9]*

ErrorMessage

A detailed error message describing the failure when the report status is FAILED. This field is only present when the status is FAILED.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: ^.*\$

GeneratedAt

The timestamp when the report was generated, in ISO 8601 format.

Type: Timestamp

NextToken

A token that indicates more results are available. Include this token in the next request to retrieve the next page of results. If this field is not present, you have retrieved all available results.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Quotas

A list of quota utilization records, sorted by utilization percentage in descending order. Each record includes the quota code, service code, service name, quota name, namespace, utilization percentage, default value, applied value, and whether the quota is adjustable. Up to 1,000 records are returned per page.

Type: Array of [QuotaUtilizationInfo](#) objects

Array Members: Maximum number of 1000 items.

ReportId

The unique identifier for the quota utilization report.

Type: String

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

Pattern: `[0-9a-zA-Z][a-zA-Z0-9-]{1,128}`

Status

The current status of the report generation. Possible values are:

- PENDING - The report generation is in progress. Retry this operation after a few seconds.
- IN_PROGRESS - The report is being processed. Continue polling until the status changes to COMPLETED.
- COMPLETED - The report is ready and quota utilization data is available in the response.
- FAILED - The report generation failed. Check the `ErrorCode` and `ErrorMessage` fields for details.

Type: String

Valid Values: PENDING | IN_PROGRESS | COMPLETED | FAILED

TotalCount

The total number of quotas included in the report across all pages.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetRequestedServiceQuotaChange

Retrieves information about the specified quota increase request.

Request Syntax

```
{  
  "RequestId": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

RequestId

Specifies the ID of the quota increase request.

Type: String

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

Pattern: `[0-9a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

Response Syntax

```
{  
  "RequestedQuota": {  
    "CaseId": "string",  
    "Created": number,  
    "DesiredValue": number,  
    "GlobalQuota": boolean,  
    "Id": "string",  
    "LastUpdated": number,  
    "QuotaArn": "string",  
    "QuotaCode": "string",
```

```
"QuotaContext": {
  "ContextId": "string",
  "ContextScope": "string",
  "ContextScopeType": "string"
},
"QuotaName": "string",
"QuotaRequestedAtLevel": "string",
"Requester": "string",
"RequestType": "string",
"ServiceCode": "string",
"ServiceName": "string",
"Status": "string",
"Unit": "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.

RequestedQuota

Information about the quota increase request.

Type: [RequestedServiceQuotaChange](#) object

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetServiceQuota

Retrieves the applied quota value for the specified account-level or resource-level quota. For some quotas, only the default values are available. If the applied quota value is not available for a quota, the quota is not retrieved.

Related Actions

- [ListAWSDefaultServiceQuotas](#)
- [ListServices](#)
- [ListServiceQuotas](#)

Request Syntax

```
{
  "ContextId": "string",
  "QuotaCode": "string",
  "ServiceCode": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[ContextId](#)

Specifies the resource with an Amazon Resource Name (ARN).

Type: String

Required: No

[QuotaCode](#)

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: Yes

Response Syntax

```
{
  "Quota": {
    "Adjustable": boolean,
    "Description": "string",
    "ErrorReason": {
      "ErrorCode": "string",
      "ErrorMessage": "string"
    },
  },
  "GlobalQuota": boolean,
  "Period": {
    "PeriodUnit": "string",
    "PeriodValue": number
  },
  "QuotaAppliedAtLevel": "string",
  "QuotaArn": "string",
  "QuotaCode": "string",
  "QuotaContext": {
    "ContextId": "string",
    "ContextScope": "string",
    "ContextScopeType": "string"
  }
}
```

```
    },
    "QuotaName": "string",
    "ServiceCode": "string",
    "ServiceName": "string",
    "Unit": "string",
    "UsageMetric": {
      "MetricDimensions": {
        "string" : "string"
      },
      "MetricName": "string",
      "MetricNamespace": "string",
      "MetricStatisticRecommendation": "string"
    },
    "Value": number
  }
}
```

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.

Quota

Information about the quota.

Type: [ServiceQuota](#) object

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

GetServiceQuotaIncreaseRequestFromTemplate

Retrieves information about the specified quota increase request in your quota request template.

Related Actions

- [DeleteServiceQuotaIncreaseRequestFromTemplate](#)
- [ListServiceQuotaIncreaseRequestsInTemplate](#)
- [PutServiceQuotaIncreaseRequestIntoTemplate](#)

Request Syntax

```
{
  "AwsRegion": "string",
  "QuotaCode": "string",
  "ServiceCode": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[AwsRegion](#)

Specifies the AWS Region for which you made the request.

Type: String

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

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,128}

Required: Yes

[QuotaCode](#)

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,128}

Required: Yes

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,63}

Required: Yes

Response Syntax

```
{
  "ServiceQuotaIncreaseRequestInTemplate": {
    "AwsRegion": "string",
    "DesiredValue": number,
    "GlobalQuota": boolean,
    "QuotaCode": "string",
    "QuotaName": "string",
    "ServiceCode": "string",
    "ServiceName": "string",
    "Unit": "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.

[ServiceQuotaIncreaseRequestInTemplate](#)

Information about the quota increase request.

Type: [ServiceQuotaIncreaseRequestInTemplate](#) object

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

ListAWSDefaultServiceQuotas

Lists the default values for the quotas for the specified AWS service. A default value does not reflect any quota increases.

Related Actions

- [GetAWSDefaultServiceQuota](#)
- [ListServices](#)
- [ListServiceQuotas](#)

Request Syntax

```
{
  "MaxResults": number,
  "NextToken": "string",
  "ServiceCode": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[MaxResults](#)

Specifies the maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

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

Required: No

NextToken

Specifies a value for receiving additional results after you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: Yes

Response Syntax

```
{
  "NextToken": "string",
  "Quotas": [
    {
      "Adjustable": boolean,
      "Description": "string",
      "ErrorReason": {
```

```
    "ErrorCode": "string",
    "ErrorMessage": "string"
  },
  "GlobalQuota": boolean,
  "Period": {
    "PeriodUnit": "string",
    "PeriodValue": number
  },
  "QuotaAppliedAtLevel": "string",
  "QuotaArn": "string",
  "QuotaCode": "string",
  "QuotaContext": {
    "ContextId": "string",
    "ContextScope": "string",
    "ContextScopeType": "string"
  },
  "QuotaName": "string",
  "ServiceCode": "string",
  "ServiceName": "string",
  "Unit": "string",
  "UsageMetric": {
    "MetricDimensions": {
      "string": "string"
    },
    "MetricName": "string",
    "MetricNamespace": "string",
    "MetricStatisticRecommendation": "string"
  },
  "Value": number
}
]
```

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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the

next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Quotas

Information about the quotas.

Type: Array of [ServiceQuota](#) objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

ListRequestedServiceQuotaChangeHistory

Retrieves the quota increase requests for the specified AWS service. Filter responses to return quota requests at either the account level, resource level, or all levels. Responses include any open or closed requests within 90 days.

Request Syntax

```
{
  "MaxResults": number,
  "NextToken": "string",
  "QuotaRequestedAtLevel": "string",
  "ServiceCode": "string",
  "Status": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[MaxResults](#)

Specifies the maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

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

Required: No

NextToken

Specifies a value for receiving additional results after you receive a NextToken response in a previous request. A NextToken response indicates that more output is available. Set this parameter to the value of the previous call's NextToken response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

QuotaRequestedAtLevel

Filters the response to return quota requests for the ACCOUNT, RESOURCE, or ALL levels. ACCOUNT is the default.

Type: String

Valid Values: ACCOUNT | RESOURCE | ALL

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: No

Status

Specifies that you want to filter the results to only the requests with the matching status.

Type: String

Valid Values: PENDING | CASE_OPENED | APPROVED | DENIED | CASE_CLOSED | NOT_APPROVED | INVALID_REQUEST

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "RequestedQuotas": [
    {
      "CaseId": "string",
      "Created": number,
      "DesiredValue": number,
      "GlobalQuota": boolean,
      "Id": "string",
      "LastUpdated": number,
      "QuotaArn": "string",
      "QuotaCode": "string",
      "QuotaContext": {
        "ContextId": "string",
        "ContextScope": "string",
        "ContextScopeType": "string"
      },
      "QuotaName": "string",
      "QuotaRequestedAtLevel": "string",
      "Requester": "string",
      "RequestType": "string",
      "ServiceCode": "string",
      "ServiceName": "string",
      "Status": "string",
      "Unit": "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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

RequestedQuotas

Information about the quota increase requests.

Type: Array of [RequestedServiceQuotaChange](#) objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

ListRequestedServiceQuotaChangeHistoryByQuota

Retrieves the quota increase requests for the specified quota. Filter responses to return quota requests at either the account level, resource level, or all levels.

Request Syntax

```
{
  "MaxResults": number,
  "NextToken": "string",
  "QuotaCode": "string",
  "QuotaRequestedAtLevel": "string",
  "ServiceCode": "string",
  "Status": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[MaxResults](#)

Specifies the maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

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

Required: No

NextToken

Specifies a value for receiving additional results after you receive a NextToken response in a previous request. A NextToken response indicates that more output is available. Set this parameter to the value of the previous call's NextToken response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

QuotaRequestedAtLevel

Filters the response to return quota requests for the ACCOUNT, RESOURCE, or ALL levels. ACCOUNT is the default.

Type: String

Valid Values: ACCOUNT | RESOURCE | ALL

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,63}

Required: Yes

Status

Specifies that you want to filter the results to only the requests with the matching status.

Type: String

Valid Values: PENDING | CASE_OPENED | APPROVED | DENIED | CASE_CLOSED | NOT_APPROVED | INVALID_REQUEST

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "RequestedQuotas": [
    {
      "CaseId": "string",
      "Created": number,
      "DesiredValue": number,
      "GlobalQuota": boolean,
      "Id": "string",
      "LastUpdated": number,
      "QuotaArn": "string",
      "QuotaCode": "string",
      "QuotaContext": {
        "ContextId": "string",
        "ContextScope": "string",
        "ContextScopeType": "string"
      },
      "QuotaName": "string",
      "QuotaRequestedAtLevel": "string",
      "Requester": "string",
      "RequestType": "string",
      "ServiceCode": "string",
    }
  ]
}
```

```
    "ServiceName": "string",
    "Status": "string",
    "Unit": "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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

RequestedQuotas

Information about the quota increase requests.

Type: Array of [RequestedServiceQuotaChange](#) objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

ListServiceQuotaIncreaseRequestsInTemplate

Lists the quota increase requests in the specified quota request template.

Request Syntax

```
{  
  "AwsRegion": "string",  
  "MaxResults": number,  
  "NextToken": "string",  
  "ServiceCode": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[AwsRegion](#)

Specifies the AWS Region for which you made the request.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

[MaxResults](#)

Specifies the maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

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

Required: No

NextToken

Specifies a value for receiving additional results after you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "ServiceQuotaIncreaseRequestInTemplateList": [
    {
      "AwsRegion": "string",
      "DesiredValue": number,
      "GlobalQuota": boolean,
      "QuotaCode": "string",
      "QuotaName": "string",
      "ServiceCode": "string",
      "ServiceName": "string",
      "Unit": "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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

ServiceQuotaIncreaseRequestInTemplateList

Information about the quota increase requests.

Type: Array of [ServiceQuotaIncreaseRequestInTemplate](#) objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

ListServiceQuotas

Lists the applied quota values for the specified AWS service. For some quotas, only the default values are available. If the applied quota value is not available for a quota, the quota is not retrieved. Filter responses to return applied quota values at either the account level, resource level, or all levels.

Related Actions

- [GetServiceQuota](#)
- [ListAWSDefaultServiceQuotas](#)
- [ListServices](#)
- [RequestServiceQuotaIncrease](#)

Request Syntax

```
{  
  "MaxResults": number,  
  "NextToken": "string",  
  "QuotaAppliedAtLevel": "string",  
  "QuotaCode": "string",  
  "ServiceCode": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[MaxResults](#)

Specifies the maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

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

Required: No

NextToken

Specifies a value for receiving additional results after you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

QuotaAppliedAtLevel

Filters the response to return applied quota values for the `ACCOUNT`, `RESOURCE`, or `ALL` levels. `ACCOUNT` is the default.

Type: String

Valid Values: `ACCOUNT` | `RESOURCE` | `ALL`

Required: No

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the `QuotaCode` response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: Yes

Response Syntax

```
{
  "NextToken": "string",
  "Quotas": [
    {
      "Adjustable": boolean,
      "Description": "string",
      "ErrorReason": {
        "ErrorCode": "string",
        "ErrorMessage": "string"
      },
      "GlobalQuota": boolean,
      "Period": {
        "PeriodUnit": "string",
        "PeriodValue": number
      },
      "QuotaAppliedAtLevel": "string",
      "QuotaArn": "string",
      "QuotaCode": "string",
      "QuotaContext": {
        "ContextId": "string",
```

```
    "ContextScope": "string",
    "ContextScopeType": "string"
  },
  "QuotaName": "string",
  "ServiceCode": "string",
  "ServiceName": "string",
  "Unit": "string",
  "UsageMetric": {
    "MetricDimensions": {
      "string": "string"
    },
    "MetricName": "string",
    "MetricNamespace": "string",
    "MetricStatisticRecommendation": "string"
  },
  "Value": number
}
]
```

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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Quotas

Information about the quotas.

Type: Array of [ServiceQuota](#) objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

ListServices

Lists the names and codes for the AWS services integrated with Service Quotas.

Related Actions

- [ListAWSDefaultServiceQuotas](#)
- [ListServiceQuotas](#)
- [RequestServiceQuotaIncrease](#)

Request Syntax

```
{  
  "MaxResults": number,  
  "NextToken": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[MaxResults](#)

Specifies the maximum number of results that you want included on each page of the response. If you do not include this parameter, it defaults to a value appropriate to the operation. If additional items exist beyond those included in the current response, the `NextToken` response element is present and has a value (is not null). Include that value as the `NextToken` request parameter in the next call to the operation to get the next part of the results.

Note

An API operation can return fewer results than the maximum even when there are more results available. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: Integer

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

Required: No

NextToken

Specifies a value for receiving additional results after you receive a NextToken response in a previous request. A NextToken response indicates that more output is available. Set this parameter to the value of the previous call's NextToken response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "Services": [
    {
      "ServiceCode": "string",
      "ServiceName": "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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the

next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^[a-zA-Z0-9/+]*={0,2}$`

Services

The list of the AWS service names and service codes.

Type: Array of [ServiceInfo](#) objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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 the tags assigned to the specified applied quota.

Request Syntax

```
{
  "ResourceARN": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ResourceARN

The Amazon Resource Name (ARN) for the applied quota for which you want to list tags. You can get this information by using the Service Quotas console, or by listing the quotas using the [list-service-quotas](#) AWS CLI command or the [ListServiceQuotas](#) AWS API operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[\w]+)*:*:.*:[0-9]{12}:.*`

Required: Yes

Response Syntax

```
{
  "Tags": [
    {
      "Key": "string",
      "Value": "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 complex data type that contains zero or more tag elements.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 200 items.

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

PutServiceQuotaIncreaseRequestIntoTemplate

Adds a quota increase request to your quota request template.

Related Actions

- [DeleteServiceQuotaIncreaseRequestFromTemplate](#)
- [GetServiceQuotaIncreaseRequestFromTemplate](#)
- [ListServiceQuotaIncreaseRequestsInTemplate](#)

Request Syntax

```
{  
  "AwsRegion": "string",  
  "DesiredValue": number,  
  "QuotaCode": "string",  
  "ServiceCode": "string"  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[AwsRegion](#)

Specifies the AWS Region to which the template applies.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

[DesiredValue](#)

Specifies the new, increased value for the quota.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

Required: Yes

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: Yes

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: Yes

Response Syntax

```
{
  "ServiceQuotaIncreaseRequestInTemplate": {
    "AwsRegion": "string",
    "DesiredValue": number,
    "GlobalQuota": boolean,
    "QuotaCode": "string",
    "QuotaName": "string",
    "ServiceCode": "string",
```

```
    "ServiceName": "string",  
    "Unit": "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.

ServiceQuotaIncreaseRequestInTemplate

Information about the quota increase request.

Type: [ServiceQuotaIncreaseRequestInTemplate](#) object

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

AWSServiceAccessNotEnabledException

The action you attempted is not allowed unless Service Access with Service Quotas is enabled in your organization.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoAvailableOrganizationException

The AWS account making this call is not a member of an organization.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

QuotaExceededException

You have exceeded your service quota. To perform the requested action, remove some of the relevant resources, or use Service Quotas to request a service quota increase.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TemplatesNotAvailableInRegionException

The Service Quotas template is not available in this AWS Region.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

RequestServiceQuotaIncrease

Submits a quota increase request for the specified quota at the account or resource level.

Related Actions

- [GetRequestedServiceQuotaChange](#)
- [ListRequestedServiceQuotaChangeHistory](#)
- [ListRequestedServiceQuotaChangeHistoryByQuota](#)

Request Syntax

```
{  
  "ContextId": "string",  
  "DesiredValue": number,  
  "QuotaCode": "string",  
  "ServiceCode": "string",  
  "SupportCaseAllowed": boolean  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[ContextId](#)

Specifies the resource with an Amazon Resource Name (ARN).

Type: String

Required: No

[DesiredValue](#)

Specifies the new, increased value for the quota.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

Required: Yes

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,128}

Required: Yes

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,63}

Required: Yes

SupportCaseAllowed

Specifies if an AWS Support case can be opened for the quota increase request. This parameter is optional.

By default, this flag is set to `True` and AWS may create a support case for some quota increase requests. You can set this flag to `False` if you do not want a support case created when you request a quota increase. If you set the flag to `False`, AWS does not open a support case and updates the request status to `Not approved`.

Type: Boolean

Required: No

Response Syntax

```
{
  "RequestedQuota": {
    "CaseId": "string",
    "Created": number,
    "DesiredValue": number,
    "GlobalQuota": boolean,
    "Id": "string",
    "LastUpdated": number,
    "QuotaArn": "string",
    "QuotaCode": "string",
    "QuotaContext": {
      "ContextId": "string",
      "ContextScope": "string",
      "ContextScopeType": "string"
    },
    "QuotaName": "string",
    "QuotaRequestedAtLevel": "string",
    "Requester": "string",
    "RequestType": "string",
    "ServiceCode": "string",
    "ServiceName": "string",
    "Status": "string",
    "Unit": "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.

RequestedQuota

Information about the quota increase request.

Type: [RequestedServiceQuotaChange](#) object

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

DependencyAccessDeniedException

You can't perform this action because a dependency does not have access.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidResourceStateException

The resource is in an invalid state.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

QuotaExceededException

You have exceeded your service quota. To perform the requested action, remove some of the relevant resources, or use Service Quotas to request a service quota increase.

HTTP Status Code: 400

ResourceAlreadyExistsException

The specified resource already exists.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

StartAutoManagement

Starts [Service Quotas Automatic Management](#) for an AWS account, including notification preferences and excluded quotas configurations. Automatic Management monitors your Service Quotas utilization and notifies you before you run out of your allocated quotas.

Request Syntax

```
{
  "ExclusionList": {
    "string" : [ "string" ]
  },
  "NotificationArn": "string",
  "OptInLevel": "string",
  "OptInType": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[ExclusionList](#)

List of AWS services excluded from Automatic Management. You won't be notified of Service Quotas utilization for AWS services added to the Automatic Management exclusion list.

Type: String to array of strings map

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

Key Pattern: [A-Za-z0-9-_ /]{1,128}

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

Pattern: [A-Za-z0-9-_ /]{1,128}

Required: No

NotificationArn

The [AWS User Notifications](#) Amazon Resource Name (ARN) for Automatic Management notifications.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[\w]+)*:.*:[0-9]{12}:.+`

Required: No

OptInLevel

Sets the opt-in level for Automatic Management. Only AWS account level is supported.

Type: String

Valid Values: ACCOUNT

Required: Yes

OptInType

Sets the opt-in type for Automatic Management. There are two modes: Notify only and Notify and Auto-Adjust. Currently, only NotifyOnly is available.

Type: String

Valid Values: NotifyOnly | NotifyAndAdjust

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

StartQuotaUtilizationReport

Initiates the generation of a quota utilization report for your AWS account. This asynchronous operation analyzes your quota usage across all AWS services and returns a unique report identifier that you can use to retrieve the results.

The report generation process may take several seconds to complete, depending on the number of quotas in your account. Use the `GetQuotaUtilizationReport` operation to check the status and retrieve the results when the report is ready.

Related Actions

- [GetQuotaUtilizationReport](#)

Response Syntax

```
{
  "Message": "string",
  "ReportId": "string",
  "Status": "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.

Message

An optional message providing additional information about the report generation status. This field may contain details about the report initiation or indicate if an existing recent report is being reused.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `^\.{0,350}$`

ReportId

A unique identifier for the quota utilization report. Use this identifier with the `GetQuotaUtilizationReport` operation to retrieve the report results.

Type: String

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

Pattern: `[0-9a-zA-Z][a-zA-Z0-9-]{1,128}`

Status

The current status of the report generation. The status will be `PENDING` when the report is first initiated.

Type: String

Valid Values: `PENDING` | `IN_PROGRESS` | `COMPLETED` | `FAILED`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

InvalidPaginationTokenException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

StopAutoManagement

Stops [Service Quotas Automatic Management](#) for an AWS account and removes all associated configurations. Automatic Management monitors your Service Quotas utilization and notifies you before you run out of your allocated quotas.

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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

Adds tags to the specified applied quota. You can include one or more tags to add to the quota.

Request Syntax

```
{
  "ResourceARN": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

[ResourceARN](#)

The Amazon Resource Name (ARN) for the applied quota. You can get this information by using the Service Quotas console, or by listing the quotas using the [list-service-quotas](#) AWS CLI command or the [ListServiceQuotas](#) AWS API operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[\w]+)*:.*:[0-9]{12}:.+`

Required: Yes

[Tags](#)

The tags that you want to add to the resource.

Type: Array of [Tag](#) objects

Array Members: Minimum number of 1 item.

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TagPolicyViolationException

The specified tag is a reserved word and cannot be used.

HTTP Status Code: 400

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

HTTP Status Code: 400

TooManyTagsException

You've exceeded the number of tags allowed for a resource. For more information, see [Tag restrictions](#) in the *Service Quotas User Guide*.

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 the specified applied quota. You can specify one or more tags to remove.

Request Syntax

```
{  
  "ResourceARN": "string",  
  "TagKeys": [ "string" ]  
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ResourceARN

The Amazon Resource Name (ARN) for the applied quota that you want to untag. You can get this information by using the Service Quotas console, or by listing the quotas using the [list-service-quotas](#) AWS CLI command or the [ListServiceQuotas](#) AWS API operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[\w]+)*:*:*.*:[0-9]{12}:.*`

Required: Yes

TagKeys

The keys of the tags that you want to remove from the resource.

Type: Array of strings

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

Pattern: `^([\p{L}\p{Z}\p{N}_ . :/=+ \-@] *)$`

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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](#)

UpdateAutoManagement

Updates your [Service Quotas Automatic Management](#) configuration, including notification preferences and excluded quotas. Automatic Management monitors your Service Quotas utilization and notifies you before you run out of your allocated quotas.

Request Syntax

```
{
  "ExclusionList": {
    "string" : [ "string" ]
  },
  "NotificationArn": "string",
  "OptInType": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ExclusionList

List of AWS services you want to exclude from Automatic Management. You won't be notified of Service Quotas utilization for AWS services added to the Automatic Management exclusion list.

Type: String to array of strings map

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

Key Pattern: [A-Za-z0-9-_ /]{1,128}

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

Pattern: [A-Za-z0-9-_ /]{1,128}

Required: No

NotificationArn

The [AWS User Notifications](#) Amazon Resource Name (ARN) for Automatic Management notifications you want to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(-[\w]+)*:*:*.*:[0-9]{12}:.*+`

Required: No

OptInType

Information on the opt-in type for your Automatic Management configuration. There are two modes: Notify only and Notify and Auto-Adjust. Currently, only NotifyOnly is available.

Type: String

Valid Values: `NotifyOnly` | `NotifyAndAdjust`

Required: No

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

IllegalArgumentException

Invalid input was provided.

HTTP Status Code: 400

NoSuchResourceException

The specified resource does not exist.

HTTP Status Code: 400

ServiceException

Something went wrong.

HTTP Status Code: 500

TooManyRequestsException

Due to throttling, the request was denied. Slow down the rate of request calls, or request an increase for this quota.

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 Service Quotas 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:

- [ErrorReason](#)
- [MetricInfo](#)
- [QuotaContextInfo](#)
- [QuotaInfo](#)
- [QuotaPeriod](#)
- [QuotaUtilizationInfo](#)
- [RequestedServiceQuotaChange](#)
- [ServiceInfo](#)
- [ServiceQuota](#)
- [ServiceQuotaIncreaseRequestInTemplate](#)
- [Tag](#)

ErrorReason

An error that explains why an action did not succeed.

Contents

ErrorCode

Service Quotas returns the following error values:

- `DEPENDENCY_ACCESS_DENIED_ERROR` - The caller does not have the required permissions to complete the action. To resolve the error, you must have permission to access the AWS service or quota.
- `DEPENDENCY_THROTTLING_ERROR` - The AWS service is throttling Service Quotas.
- `DEPENDENCY_SERVICE_ERROR` - The AWS service is not available.
- `SERVICE_QUOTA_NOT_AVAILABLE_ERROR` - There was an error in Service Quotas.

Type: String

Valid Values: `DEPENDENCY_ACCESS_DENIED_ERROR` | `DEPENDENCY_THROTTLING_ERROR` | `DEPENDENCY_SERVICE_ERROR` | `SERVICE_QUOTA_NOT_AVAILABLE_ERROR`

Required: No

ErrorMessage

The error message.

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](#)

MetricInfo

Information about the CloudWatch metric that reflects quota usage.

Contents

MetricDimensions

The metric dimension. This is a name/value pair that is part of the identity of a metric.

Type: String to string map

Map Entries: Maximum number of 10 items.

Required: No

MetricName

The name of the metric.

Type: String

Required: No

MetricNamespace

The namespace of the metric.

Type: String

Required: No

MetricStatisticRecommendation

The metric statistic that we recommend you use when determining quota usage.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: (Sum|Maximum)

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](#)

QuotaContextInfo

A structure that describes the context for a resource-level quota. For resource-level quotas, such as `Instances per OpenSearch Service Domain`, you can apply the quota value at the resource-level for each OpenSearch Service Domain in your AWS account. Together the attributes of this structure help you understand how the quota is implemented by AWS and how you can manage it. For quotas such as `Amazon OpenSearch Service Domains` which can be managed at the account-level for each AWS Region, the `QuotaContext` field is absent. See the attribute descriptions below to further understand how to use them.

Contents

ContextId

Specifies the resource, or resources, to which the quota applies. The value for this field is either an Amazon Resource Name (ARN) or `*`. If the value is an ARN, the quota value applies to that resource. If the value is `*`, then the quota value applies to all resources listed in the `ContextScopeType` field. The quota value applies to all resources for which you haven't previously applied a quota value, and any new resources you create in your AWS account.

Type: String

Required: No

ContextScope

Specifies the scope to which the quota value is applied. If the scope is `RESOURCE`, the quota value is applied to each resource in the AWS account. If the scope is `ACCOUNT`, the quota value is applied to the AWS account.

Type: String

Valid Values: `RESOURCE` | `ACCOUNT`

Required: No

ContextScopeType

Specifies the resource type to which the quota can be applied.

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](#)

QuotaInfo

Information on your Service Quotas for [Service Quotas Automatic Management](#). Automatic Management monitors your Service Quotas utilization and notifies you before you run out of your allocated quotas.

Contents

QuotaCode

The Service Quotas code for the AWS service monitored with Automatic Management.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

QuotaName

The Service Quotas name for the AWS service monitored with Automatic Management.

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](#)

QuotaPeriod

Information about the quota period.

Contents

PeriodUnit

The time unit.

Type: String

Valid Values: MICROSECOND | MILLISECOND | SECOND | MINUTE | HOUR | DAY | WEEK

Required: No

PeriodValue

The value associated with the reported PeriodUnit.

Type: Integer

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](#)

QuotaUtilizationInfo

Information about a quota's utilization, including the quota code, service information, current usage, and applied limits.

Contents

Adjustable

Indicates whether the quota value can be increased.

Type: Boolean

Required: No

AppliedValue

The applied value of the quota, which may be higher than the default value if a quota increase has been requested and approved.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

Required: No

DefaultValue

The default value of the quota.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

Required: No

Namespace

The namespace of the metric used to track quota usage.

Type: String

Required: No

QuotaCode

The quota identifier.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

QuotaName

The quota name.

Type: String

Required: No

ServiceCode

The service identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: No

ServiceName

The service name.

Type: String

Required: No

Utilization

The utilization percentage of the quota, calculated as $(\text{current usage} / \text{applied value}) \times 100$. Values range from 0.0 to 100.0 or higher if usage exceeds the quota limit.

Type: Double

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](#)

RequestedServiceQuotaChange

Information about a quota increase request.

Contents

Caseld

The case ID.

Type: String

Required: No

Created

The date and time when the quota increase request was received and the case ID was created.

Type: Timestamp

Required: No

DesiredValue

The new, increased value for the quota.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

Required: No

GlobalQuota

Indicates whether the quota is global.

Type: Boolean

Required: No

Id

The unique identifier.

Type: String

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

Pattern: `[0-9a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

LastUpdated

The date and time of the most recent change.

Type: Timestamp

Required: No

QuotaArn

The Amazon Resource Name (ARN) of the quota.

Type: String

Required: No

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

QuotaContext

The context for this service quota.

Type: [QuotaContextInfo](#) object

Required: No

QuotaName

Specifies the quota name.

Type: String

Required: No

QuotaRequestedAtLevel

Filters the response to return quota requests for the ACCOUNT, RESOURCE, or ALL levels. ACCOUNT is the default.

Type: String

Valid Values: ACCOUNT | RESOURCE | ALL

Required: No

Requester

The IAM identity of the requester.

Type: String

Required: No

RequestType

The type of quota increase request. Possible values include:

- `AutomaticManagement` - The request was automatically created by Service Quotas Automatic Management when quota utilization approached the limit.

If this field is not present, the request was manually created by a user.

Type: String

Valid Values: `AutomaticManagement`

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,63}

Required: No

ServiceName

Specifies the service name.

Type: String

Required: No

Status

The state of the quota increase request.

- **PENDING:** The quota increase request is under review by AWS.
- **CASE_OPENED:** Service Quotas opened a support case to process the quota increase request. Follow-up on the support case for more information.
- **APPROVED:** The quota increase request is approved.
- **DENIED:** The quota increase request can't be approved by Service Quotas. Contact AWS Support for more details.
- **NOT APPROVED:** The quota increase request can't be approved by Service Quotas. Contact AWS Support for more details.
- **CASE_CLOSED:** The support case associated with this quota increase request was closed. Check the support case correspondence for the outcome of your quota request.
- **INVALID_REQUEST:** Service Quotas couldn't process your resource-level quota increase request because the Amazon Resource Name (ARN) specified as part of the ContextId is invalid.

Type: String

Valid Values: PENDING | CASE_OPENED | APPROVED | DENIED | CASE_CLOSED | NOT_APPROVED | INVALID_REQUEST

Required: No

Unit

The unit of measurement.

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](#)

ServiceInfo

Information about an AWS service.

Contents

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: No

ServiceName

Specifies the service name.

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](#)

ServiceQuota

Information about a quota.

Contents

Adjustable

Indicates whether the quota value can be increased.

Type: Boolean

Required: No

Description

The quota description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 350.

Pattern: `^\{0,350\}$`

Required: No

ErrorReason

The error code and error reason.

Type: [ErrorReason](#) object

Required: No

GlobalQuota

Indicates whether the quota is global.

Type: Boolean

Required: No

Period

The period of time.

Type: [QuotaPeriod](#) object

Required: No

QuotaAppliedAtLevel

Filters the response to return applied quota values for the ACCOUNT, RESOURCE, or ALL levels. ACCOUNT is the default.

Type: String

Valid Values: ACCOUNT | RESOURCE | ALL

Required: No

QuotaArn

The Amazon Resource Name (ARN) of the quota.

Type: String

Required: No

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,128}

Required: No

QuotaContext

The context for this service quota.

Type: [QuotaContextInfo](#) object

Required: No

QuotaName

Specifies the quota name.

Type: String

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,63}`

Required: No

ServiceName

Specifies the service name.

Type: String

Required: No

Unit

The unit of measurement.

Type: String

Required: No

UsageMetric

Information about the measurement.

Type: [MetricInfo](#) object

Required: No

Value

The quota value.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

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](#)

ServiceQuotaIncreaseRequestInTemplate

Information about a quota increase request.

Contents

AwsRegion

The AWS Region.

Type: String

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

Pattern: `[a-zA-Z][a-zA-Z0-9-]{1,128}`

Required: No

DesiredValue

The new, increased value of the quota.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000000000.

Required: No

GlobalQuota

Indicates whether the quota is global.

Type: Boolean

Required: No

QuotaCode

Specifies the quota identifier. To find the quota code for a specific quota, use the [ListServiceQuotas](#) operation, and look for the QuotaCode response in the output for the quota you want.

Type: String

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

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,128}

Required: No

QuotaName

Specifies the quota name.

Type: String

Required: No

ServiceCode

Specifies the service identifier. To find the service code value for an AWS service, use the [ListServices](#) operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [a-zA-Z][a-zA-Z0-9-]{1,63}

Required: No

ServiceName

Specifies the service name.

Type: String

Required: No

Unit

The unit of measurement.

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](#)

Tag

A complex data type that contains a tag key and tag value.

Contents

Key

A string that contains a tag key. The string length should be between 1 and 128 characters. Valid characters include a-z, A-Z, 0-9, space, and the special characters `_ - . : / = + @`.

Type: String

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

Pattern: `^([\p{L}\p{Z}\p{N}_-./+=\@]*)$`

Required: Yes

Value

A string that contains an optional tag value. The string length should be between 0 and 256 characters. Valid characters include a-z, A-Z, 0-9, space, and the special characters `_ - . : / = + @`.

Type: String

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

Pattern: `^([\p{L}\p{Z}\p{N}_-./+=\@]*)$`

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](#)

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