



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.

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# Actions

The following actions are supported:

- [AssociateServiceQuotaTemplate](#)
- [DeleteServiceQuotaIncreaseRequestFromTemplate](#)
- [DisassociateServiceQuotaTemplate](#)
- [GetAssociationForServiceQuotaTemplate](#)
- [GetAWSDefaultServiceQuota](#)
- [GetRequestedServiceQuotaChange](#)
- [GetServiceQuota](#)
- [GetServiceQuotaIncreaseRequestFromTemplate](#)
- [ListAWSDefaultServiceQuotas](#)
- [ListRequestedServiceQuotaChangeHistory](#)
- [ListRequestedServiceQuotaChangeHistoryByQuota](#)
- [ListServiceQuotaIncreaseRequestsInTemplate](#)
- [ListServiceQuotas](#)
- [ListServices](#)
- [ListTagsForResource](#)
- [PutServiceQuotaIncreaseRequestIntoTemplate](#)
- [RequestServiceQuotaIncrease](#)
- [TagResource](#)
- [UntagResource](#)

# 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 Errors](#).

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



# 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 Errors](#).

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

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



# 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 Errors](#).

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

# 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 Errors](#).

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

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

# 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,
    "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 Errors](#).

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

# 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",  
"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 Errors](#).

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

# 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,
    "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 Errors](#).

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



# 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 Errors](#).

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

# 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,
      "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 Errors](#).

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

# 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",
      "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 Errors](#).

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

# 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",
      "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 Errors](#).

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



# 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 Errors](#).

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

# 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,
      "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 Errors](#).

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

# 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 Errors](#).

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

# ListTagsForResource

Returns a list of 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 Errors](#).

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

# 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 Errors](#).

### **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](#)

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

# 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"  
}
```

## 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 100000000000.

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

```
{
  "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",
  "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 Errors](#).

### **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](#)

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



# TagResource

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 Errors](#).

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

# UntagResource

Removes tags from 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 Errors](#).

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

# Data Types

The 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](#)
- [QuotaPeriod](#)
- [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](#)

# 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](#)

# RequestedServiceQuotaChange

Information about a quota increase request.

## Contents

### CaseId

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

### **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

### 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*.

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

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

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

Type: string

Required: Conditional

### **X-Amz-Date**

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

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

Type: string

Required: Conditional

### **X-Amz-Security-Token**

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

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

Type: string

Required: Conditional

### **X-Amz-Signature**

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

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

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

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

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

Type: string

Required: Conditional

# Common Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 400

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

## **InternalFailure**

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

HTTP Status Code: 500

## **InvalidAction**

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

HTTP Status Code: 400

## **InvalidClientTokenId**

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

HTTP Status Code: 403

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 400

## **OptInRequired**

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

HTTP Status Code: 403

## **RequestExpired**

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

HTTP Status Code: 400

## **ServiceUnavailable**

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

HTTP Status Code: 503

## **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

## **ValidationError**

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

HTTP Status Code: 400