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# Service Quotas

## API Reference

### API Version 2019-06-24



## Service Quotas: API Reference

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## Table of Contents

Welcome .....	1
Actions .....	2
AssociateServiceQuotaTemplate .....	3
Response Elements .....	3
Errors .....	3
See Also .....	4
DeleteServiceQuotaIncreaseRequestFromTemplate .....	5
Request Syntax .....	5
Request Parameters .....	5
Response Elements .....	5
Errors .....	6
See Also .....	6
DisassociateServiceQuotaTemplate .....	8
Response Elements .....	8
Errors .....	8
See Also .....	9
GetAssociationForServiceQuotaTemplate .....	10
Response Syntax .....	10
Response Elements .....	10
Errors .....	10
See Also .....	11
GetAWSDefaultServiceQuota .....	12
Request Syntax .....	12
Request Parameters .....	12
Response Syntax .....	12
Response Elements .....	13
Errors .....	13
See Also .....	14
GetRequestedServiceQuotaChange .....	15
Request Syntax .....	15
Request Parameters .....	15
Response Syntax .....	15
Response Elements .....	15
Errors .....	16
See Also .....	16
GetServiceQuota .....	17
Request Syntax .....	17
Request Parameters .....	17
Response Syntax .....	17
Response Elements .....	18
Errors .....	18
See Also .....	19
GetServiceQuotaIncreaseRequestFromTemplate .....	20
Request Syntax .....	20
Request Parameters .....	20
Response Syntax .....	20
Response Elements .....	21
Errors .....	21
See Also .....	22
ListAWSDefaultServiceQuotas .....	23
Request Syntax .....	23
Request Parameters .....	23
Response Syntax .....	24
Response Elements .....	24

Errors .....	25
See Also .....	25
ListRequestedServiceQuotaChangeHistory .....	27
Request Syntax .....	27
Request Parameters .....	27
Response Syntax .....	28
Response Elements .....	28
Errors .....	29
See Also .....	29
ListRequestedServiceQuotaChangeHistoryByQuota .....	30
Request Syntax .....	30
Request Parameters .....	30
Response Syntax .....	31
Response Elements .....	31
Errors .....	32
See Also .....	32
ListServiceQuotaIncreaseRequestsInTemplate .....	34
Request Syntax .....	34
Request Parameters .....	34
Response Syntax .....	35
Response Elements .....	35
Errors .....	36
See Also .....	36
ListServiceQuotas .....	38
Request Syntax .....	38
Request Parameters .....	38
Response Syntax .....	39
Response Elements .....	39
Errors .....	40
See Also .....	40
ListServices .....	42
Request Syntax .....	42
Request Parameters .....	42
Response Syntax .....	42
Response Elements .....	43
Errors .....	43
See Also .....	44
PutServiceQuotaIncreaseRequestIntoTemplate .....	45
Request Syntax .....	45
Request Parameters .....	45
Response Syntax .....	46
Response Elements .....	46
Errors .....	46
See Also .....	47
RequestServiceQuotaIncrease .....	48
Request Syntax .....	48
Request Parameters .....	48
Response Syntax .....	48
Response Elements .....	49
Errors .....	49
See Also .....	50
Data Types .....	51
ErrorReason .....	52
Contents .....	52
See Also .....	52
MetricInfo .....	53
Contents .....	53

See Also .....	53
QuotaPeriod .....	54
Contents .....	54
See Also .....	54
RequestedServiceQuotaChange .....	55
Contents .....	55
See Also .....	57
ServiceInfo .....	58
Contents .....	58
See Also .....	58
ServiceQuota .....	59
Contents .....	59
See Also .....	60
ServiceQuotaIncreaseRequestInTemplate .....	61
Contents .....	61
See Also .....	62
Common Parameters .....	63
Common Errors .....	65

# Welcome

Service Quotas is a web service that you can use to manage many of your AWS service quotas. Quotas, also referred to as limits, are the maximum values for a resource, item, or operation. This guide provides descriptions of the Service Quotas actions that you can call from an API. For the Service Quotas user guide, which explains how to use Service Quotas from the console, see [What Is Service Quotas?](#) in the *Service Quotas User Guide*.

**Note**

AWS provides SDKs that consist of libraries and sample code for programming languages and platforms (Java, Ruby, .NET, iOS, Android, etc.). The SDKs provide a convenient way to create programmatic access to Service Quotas and AWS. For information about the AWS SDKs, including how to download and install them, see [Tools for Amazon Web Services](#).

This document was last published on October 21, 2019.

# Actions

The following actions are supported:

- [AssociateServiceQuotaTemplate](#) (p. 3)
- [DeleteServiceQuotaIncreaseRequestFromTemplate](#) (p. 5)
- [DisassociateServiceQuotaTemplate](#) (p. 8)
- [GetAssociationForServiceQuotaTemplate](#) (p. 10)
- [GetAWSDefaultServiceQuota](#) (p. 12)
- [GetRequestedServiceQuotaChange](#) (p. 15)
- [GetServiceQuota](#) (p. 17)
- [GetServiceQuotaIncreaseRequestFromTemplate](#) (p. 20)
- [ListAWSDefaultServiceQuotas](#) (p. 23)
- [ListRequestedServiceQuotaChangeHistory](#) (p. 27)
- [ListRequestedServiceQuotaChangeHistoryByQuota](#) (p. 30)
- [ListServiceQuotaIncreaseRequestsInTemplate](#) (p. 34)
- [ListServiceQuotas](#) (p. 38)
- [ListServices](#) (p. 42)
- [PutServiceQuotaIncreaseRequestIntoTemplate](#) (p. 45)
- [RequestServiceQuotaIncrease](#) (p. 48)

# AssociateServiceQuotaTemplate

Associates the Service Quotas template with your organization so that when new accounts are created in your organization, the template submits increase requests for the specified service quotas. Use the Service Quotas template to request an increase for any adjustable quota value. After you define the Service Quotas template, use this operation to associate, or enable, the template.

## 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 \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

HTTP Status Code: 400

### **DependencyAccessDeniedException**

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

HTTP Status Code: 400

### **NoAvailableOrganizationException**

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

HTTP Status Code: 400

### **OrganizationNotInAllFeaturesModeException**

The organization that your account belongs to, is not in All Features mode. To enable all features mode, see [EnableAllFeatures](#).

HTTP Status Code: 400

### **ServiceException**

Something went wrong.

HTTP Status Code: 500

### **TemplatesNotAvailableInRegionException**

The Service Quotas template is not available in the Region where you are making the request. Please make the request in us-east-1.

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

# DeleteServiceQuotaIncreaseRequestFromTemplate

Removes a service quota increase request from the Service Quotas 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](#) (p. 63).

The request accepts the following data in JSON format.

### [AwsRegion](#) (p. 5)

Specifies the AWS Region for the quota that you want to delete.

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](#) (p. 5)

Specifies the code for the quota that you want to delete.

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](#) (p. 5)

Specifies the code for the service that you want to delete.

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 \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

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 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 the Region where you are making the request. Please make the request in us-east-1.

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

# DisassociateServiceQuotaTemplate

Disables the Service Quotas template. Once the template is disabled, it does not request quota increases for new accounts in your organization. Disabling the quota template does not apply the quota increase requests from the template.

## Related operations

- To enable the quota template, call [AssociateServiceQuotaTemplate \(p. 3\)](#).
- To delete a specific service quota from the template, use [DeleteServiceQuotaIncreaseRequestFromTemplate \(p. 5\)](#).

## 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 \(p. 65\)](#).

### AccessDeniedException

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

HTTP Status Code: 400

### DependencyAccessDeniedException

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

HTTP Status Code: 400

### NoAvailableOrganizationException

The 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.

To use the template, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

HTTP Status Code: 400

### TemplatesNotAvailableInRegionException

The Service Quotas template is not available in the Region where you are making the request. Please make the request in us-east-1.

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

# GetAssociationForServiceQuotaTemplate

Retrieves the `ServiceQuotaTemplateAssociationStatus` value from the service. Use this action to determine if the Service Quotas template is associated, or enabled.

## 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 (p. 10)**

Specifies whether the template is `ASSOCIATED` or `DISASSOCIATED`. If the template is `ASSOCIATED`, then it requests service quota increases for all new accounts created in your organization.

Type: String

Valid Values: `ASSOCIATED` | `DISASSOCIATED`

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

HTTP Status Code: 400

### **DependencyAccessDeniedException**

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

HTTP Status Code: 400

### **NoAvailableOrganizationException**

The 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.

To use the template, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

HTTP Status Code: 400

#### **TemplatesNotAvailableInRegionException**

The Service Quotas template is not available in the Region where you are making the request. Please make the request in us-east-1.

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



# GetAWSDefaultServiceQuota

Retrieves the default service quotas values. The Value returned for each quota is the AWS default value, even if the quotas have been increased.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 63).

The request accepts the following data in JSON format.

### QuotaCode (p. 12)

Identifies the service quota you want to select.

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 (p. 12)

Specifies the service that you want to use.

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  
    }  
  },  
}
```

```
"QuotaArn": "string",
"QuotaCode": "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 (p. 12)

Returns the [ServiceQuota \(p. 59\)](#) object that contains all values for a quota.

Type: [ServiceQuota \(p. 59\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### AccessDeniedException

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

# GetRequestedServiceQuotaChange

Retrieves the details for a particular increase request.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

### RequestId (p. 15)

Identifies 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",  
    "QuotaName": "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 \(p. 15\)](#)

Returns the `RequestedServiceQuotaChange` object for the specific increase request.

Type: [RequestedServiceQuotaChange \(p. 55\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

## GetServiceQuota

Returns the details for the specified service quota. This operation provides a different Value than the `GetAWSDefaultServiceQuota` operation. This operation returns the applied value for each quota. `GetAWSDefaultServiceQuota` returns the default AWS value for each quota.

### Request Syntax

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

### Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

#### QuotaCode (p. 17)

Identifies the service quota you want to select.

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 (p. 17)

Specifies the service that you want to use.

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
    }
  }
}
```

```
    },
    "QuotaArn": "string",
    "QuotaCode": "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 (p. 17)

Returns the [ServiceQuota \(p. 59\)](#) object that contains all values for a quota.

Type: [ServiceQuota \(p. 59\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### AccessDeniedException

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)



# GetServiceQuotaIncreaseRequestFromTemplate

Returns the details of the service quota increase request in your 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](#) (p. 63).

The request accepts the following data in JSON format.

### **AwsRegion** (p. 20)

Specifies the AWS Region for the quota that you want to use.

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** (p. 20)

Specifies 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** (p. 20)

Specifies the service that you want to use.

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 \(p. 20\)](#)

This object contains the details about the quota increase request.

Type: [ServiceQuotaIncreaseRequestInTemplate \(p. 61\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

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 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 the Region where you are making the request. Please make the request in us-east-1.

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

## ListAWSDefaultServiceQuotas

Lists all default service quotas for the specified AWS service or all AWS services.

`ListAWSDefaultServiceQuotas` is similar to [ListServiceQuotas \(p. 38\)](#) except for the `Value` object.

The `Value` object returned by `ListAWSDefaultServiceQuotas` is the default value assigned by AWS.

This request returns a list of all service quotas for the specified service. The listing of each you'll see the default values are the values that AWS provides for the quotas.

### Note

Always check the `NextToken` response parameter when calling any of the `List*` operations.

These operations can return an unexpected list of results, even when there are more results available. When this happens, the `NextToken` response parameter contains a value to pass the next call to the same API to request the next part of the list.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

### MaxResults (p. 23)

(Optional) Limits the number of results that you want to include in the response. If you don't include this parameter, the response defaults to a value that's specific to the operation. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. 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 (p. 23)

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it to the value of the previous call's `NextToken` response to indicate where the output should continue from. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. You should check `NextToken` after every operation to ensure that you receive all of the results.

Type: String

Length Constraints: Maximum length of 2048.

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

Required: No

### ServiceCode (p. 23)

Specifies the service that you want to use.

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
      },
      "QuotaArn": "string",
      "QuotaCode": "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 (p. 24)

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it 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}$`

### Quotas (p. 24)

A list of the quotas in the account with the AWS default values.

Type: Array of [ServiceQuota \(p. 59\)](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### AccessDeniedException

You do not have sufficient access 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](#)

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

# ListRequestedServiceQuotaChangeHistory

Requests a list of the changes to quotas for a service.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

### MaxResults (p. 27)

(Optional) Limits the number of results that you want to include in the response. If you don't include this parameter, the response defaults to a value that's specific to the operation. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. 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 (p. 27)

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it 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 (p. 27)

Specifies the service that you want to use.

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 (p. 27)

Specifies the status value of the quota increase request.

Type: String

Valid Values: PENDING | CASE\_OPENED | APPROVED | DENIED | CASE\_CLOSED

Required: No

## Response Syntax

```
{
  "NextToken": "string",
  "RequestedQuotas": [
    {
      "CaseId": "string",
      "Created": number,
      "DesiredValue": number,
      "GlobalQuota": boolean,
      "Id": "string",
      "LastUpdated": number,
      "QuotaArn": "string",
      "QuotaCode": "string",
      "QuotaName": "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 (p. 28)

If present in the response, this value indicates there's more output available than what's included in the current response. This can occur even when the response includes no values at all, such as when you ask for a filtered view of a very long list. Use this value in the `NextToken` request parameter in a subsequent call to the operation to continue processing and get the next part of the output. You should repeat this until the `NextToken` response element comes back empty (as `null`).

Type: String

Length Constraints: Maximum length of 2048.

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

### RequestedQuotas (p. 28)

Returns a list of service quota requests.

Type: Array of [RequestedServiceQuotaChange \(p. 55\)](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

# ListRequestedServiceQuotaChangeHistoryByQuota

Requests a list of the changes to specific service quotas. This command provides additional granularity over the `ListRequestedServiceQuotaChangeHistory` command. Once a quota change request has reached `CASE_CLOSED`, `APPROVED`, or `DENIED`, the history has been kept for 90 days.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

### MaxResults (p. 30)

(Optional) Limits the number of results that you want to include in the response. If you don't include this parameter, the response defaults to a value that's specific to the operation. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. 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 (p. 30)

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it 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 (p. 30)

Specifies the service quota that you want to use.

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 (p. 30)

Specifies the service that you want to use.

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 (p. 30)

Specifies the status value of the quota increase request.

Type: String

Valid Values: PENDING | CASE\_OPENED | APPROVED | DENIED | CASE\_CLOSED

Required: No

## Response Syntax

```
{
  "NextToken": "string",
  "RequestedQuotas": [
    {
      "CaseId": "string",
      "Created": number,
      "DesiredValue": number,
      "GlobalQuota": boolean,
      "Id": "string",
      "LastUpdated": number,
      "QuotaArn": "string",
      "QuotaCode": "string",
      "QuotaName": "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 (p. 31)

If present in the response, this value indicates there's more output available than what's included in the current response. This can occur even when the response includes no values at all, such as when you ask for a filtered view of a very long list. Use this value in the `NextToken` request parameter in

a subsequent call to the operation to continue processing and get the next part of the output. You should repeat this until the `NextToken` response element comes back empty (as `null`).

Type: String

Length Constraints: Maximum length of 2048.

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

### [RequestedQuotas \(p. 31\)](#)

Returns a list of service quota requests.

Type: Array of [RequestedServiceQuotaChange \(p. 55\)](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

# ListServiceQuotaIncreaseRequestsInTemplate

Returns a list of the quota increase requests in the 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 \(p. 63\)](#).

The request accepts the following data in JSON format.

### **AwsRegion (p. 34)**

Specifies the AWS Region for the quota that you want to use.

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 (p. 34)**

(Optional) Limits the number of results that you want to include in the response. If you don't include this parameter, the response defaults to a value that's specific to the operation. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. 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 (p. 34)**

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it 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 \(p. 34\)](#)

The identifier for a service. When performing an operation, use the `ServiceCode` to specify a particular service.

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 \(p. 35\)](#)

If present in the response, this value indicates there's more output available than what's included in the current response. This can occur even when the response includes no values at all, such as when you ask for a filtered view of a very long list. Use this value in the `NextToken` request parameter in a subsequent call to the operation to continue processing and get the next part of the output. You should repeat this until the `NextToken` response element comes back empty (as `null`).

Type: String

Length Constraints: Maximum length of 2048.

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

### [ServiceQuotaIncreaseRequestInTemplateList \(p. 35\)](#)

Returns the list of values of the quota increase request in the template.

Type: Array of [ServiceQuotaIncreaseRequestInTemplate \(p. 61\)](#) objects



## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

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 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 the Region where you are making the request. Please make the request in us-east-1.

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](#)

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

## ListServiceQuotas

Lists all service quotas for the specified AWS service. This request returns a list of the service quotas for the specified service. You'll see the default values are the values that AWS provides for the quotas.

### Note

Always check the `NextToken` response parameter when calling any of the `List*` operations. These operations can return an unexpected list of results, even when there are more results available. When this happens, the `NextToken` response parameter contains a value to pass the next call to the same API to request the next part of the list.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 63).

The request accepts the following data in JSON format.

### MaxResults (p. 38)

(Optional) Limits the number of results that you want to include in the response. If you don't include this parameter, the response defaults to a value that's specific to the operation. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. 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 (p. 38)

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it 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 (p. 38)

The identifier for a service. When performing an operation, use the `ServiceCode` to specify a particular service.

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
      },
      "QuotaArn": "string",
      "QuotaCode": "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 (p. 39)

If present in the response, this value indicates there's more output available that what's included in the current response. This can occur even when the response includes no values at all, such as when you ask for a filtered view of a very long list. Use this value in the `NextToken` request parameter in a subsequent call to the operation to continue processing and get the next part of the output. You should repeat this until the `NextToken` response element comes back empty (as `null`).

Type: String

Length Constraints: Maximum length of 2048.

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

### [Quotas \(p. 39\)](#)

The response information for a quota lists all attribute information for the quota.

Type: Array of [ServiceQuota \(p. 59\)](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

## ListServices

Lists the AWS services available in Service Quotas. Not all AWS services are available in Service Quotas. To list the see the list of the service quotas for a specific service, use [ListServiceQuotas \(p. 38\)](#).

### Request Syntax

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

### Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

#### MaxResults (p. 42)

(Optional) Limits the number of results that you want to include in the response. If you don't include this parameter, the response defaults to a value that's specific to the operation. If additional items exist beyond the specified maximum, the `NextToken` element is present and has a value (isn't null). Include that value as the `NextToken` request parameter in the call to the operation to get the next part of the results. 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 (p. 42)

(Optional) Use this parameter in a request if you receive a `NextToken` response in a previous request that indicates that there's more output available. In a subsequent call, set it 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 (p. 42)

If present in the response, this value indicates there's more output available than what's included in the current response. This can occur even when the response includes no values at all, such as when you ask for a filtered view of a very long list. Use this value in the `NextToken` request parameter in a subsequent call to the operation to continue processing and get the next part of the output. You should repeat this until the `NextToken` response element comes back empty (as `null`).

Type: String

Length Constraints: Maximum length of 2048.

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

### Services (p. 42)

Returns a list of services.

Type: Array of [ServiceInfo \(p. 58\)](#) objects

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### AccessDeniedException

You do not have sufficient access 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](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

# PutServiceQuotaIncreaseRequestIntoTemplate

Defines and adds a quota to the service quota template. To add a quota to the template, you must provide the `ServiceCode`, `QuotaCode`, `AwsRegion`, and `DesiredValue`. Once you add a quota to the template, use [ListServiceQuotaIncreaseRequestsInTemplate](#) (p. 34) to see the list of quotas in the template.

## 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](#) (p. 63).

The request accepts the following data in JSON format.

### [AwsRegion](#) (p. 45)

Specifies the AWS Region for the quota.

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](#) (p. 45)

Specifies the new, increased value for the quota.

Type: Double

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

Required: Yes

### [QuotaCode](#) (p. 45)

Specifies the service quota that you want to use.

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](#) (p. 45)

Specifies the service that you want to use.

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 (p. 46)**

A structure that contains information about one service quota increase request.

Type: [ServiceQuotaIncreaseRequestInTemplate \(p. 61\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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. To enable, call [AssociateServiceQuotaTemplate \(p. 3\)](#).

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 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 the Region where you are making the request. Please make the request in us-east-1.

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

# RequestServiceQuotaIncrease

Submits the details of a service quota increase request.

## Request Syntax

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

## Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 63\)](#).

The request accepts the following data in JSON format.

### DesiredValue (p. 48)

Specifies the value submitted in the service quota increase request.

Type: Double

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

Required: Yes

### QuotaCode (p. 48)

Specifies the service quota that you want to use.

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 (p. 48)

Specifies the service that you want to use.

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",
"QuotaName": "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 \(p. 48\)](#)

Returns a list of service quota requests.

Type: [RequestedServiceQuotaChange \(p. 55\)](#) object

## Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 65\)](#).

### **AccessDeniedException**

You do not have sufficient access 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**

Invalid input was provided for the .

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

# 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](#) (p. 52)
- [MetricInfo](#) (p. 53)
- [QuotaPeriod](#) (p. 54)
- [RequestedServiceQuotaChange](#) (p. 55)
- [ServiceInfo](#) (p. 58)
- [ServiceQuota](#) (p. 59)
- [ServiceQuotaIncreaseRequestInTemplate](#) (p. 61)



## ErrorReason

Returns an error that explains why the action did not succeed.

### Contents

#### ErrorCode

Service Quotas returns the following error values.

`DEPENDENCY_ACCESS_DENIED_ERROR` is returned when the caller does not have permission to call the service or service quota. To resolve the error, you need permission to access the service or service quota.

`DEPENDENCY_THROTTLING_ERROR` is returned when the service being called is throttling Service Quotas.

`DEPENDENCY_SERVICE_ERROR` is returned when the service being called has availability issues.

`SERVICE_QUOTA_NOT_AVAILABLE_ERROR` is returned when 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 that provides more detail.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

## MetricInfo

A structure that uses CloudWatch metrics to gather data about the service quota.

### Contents

#### **MetricDimensions**

A dimension is a name/value pair that is part of the identity of a metric. Every metric has specific characteristics that describe it, and you can think of dimensions as categories for those characteristics. These dimensions are part of the CloudWatch Metric Identity that measures usage against a particular service quota.

Type: String to string map

Required: No

#### **MetricName**

The name of the CloudWatch metric that measures usage of a service quota. This is a required field.

Type: String

Required: No

#### **MetricNamespace**

The namespace of the metric. The namespace is a container for CloudWatch metrics. You can specify a name for the namespace when you create a metric.

Type: String

Required: No

#### **MetricStatisticRecommendation**

Statistics are metric data aggregations over specified periods of time. This is the recommended statistic to use when comparing usage in the CloudWatch Metric against your service quota.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# QuotaPeriod

A structure that contains information about the quota period.

## Contents

### **PeriodUnit**

The time unit of a period.

Type: String

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

Required: No

### **PeriodValue**

The value of a period.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# RequestedServiceQuotaChange

A structure that contains information about a requested change for a quota.

## Contents

### **CaseId**

The case ID for the service quota increase request.

Type: String

Required: No

### **Created**

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

Type: Timestamp

Required: No

### **DesiredValue**

New increased value for the service quota.

Type: Double

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

Required: No

### **GlobalQuota**

Identifies if the quota is global.

Type: Boolean

Required: No

### **Id**

The unique identifier of a requested service quota change.

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 in the service quota increase request.

Type: Timestamp

Required: No

### **QuotaArn**

The Amazon Resource Name (ARN) of the service quota.

Type: String

Required: No

**QuotaCode**

Specifies the service quota that you want to use.

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**

Name of the service quota.

Type: String

Required: No

**Requester**

The IAM identity who submitted the service quota increase request.

Type: String

Required: No

**ServiceCode**

Specifies the service that you want to use.

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 name of the AWS service specified in the increase request.

Type: String

Required: No

**Status**

State of the service quota increase request.

Type: String

Valid Values: PENDING | CASE\_OPENED | APPROVED | DENIED | CASE\_CLOSED

Required: No

**Unit**

Specifies the unit used for the quota.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

## ServiceInfo

A structure that contains the `ServiceName` and `ServiceCode`. It does not include all details of the service quota. To get those values, use the [ListServiceQuotas \(p. 38\)](#) operation.

### Contents

#### ServiceCode

Specifies the service that you want to use.

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 name of the AWS service specified in the increase request.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# ServiceQuota

A structure that contains the full set of details that define the service quota.

## Contents

### Adjustable

Specifies if the quota value can be increased.

Type: Boolean

Required: No

### ErrorReason

Specifies the `ErrorCode` and `ErrorMessage` when success isn't achieved.

Type: [ErrorReason \(p. 52\)](#) object

Required: No

### GlobalQuota

Specifies if the quota is global.

Type: Boolean

Required: No

### Period

Identifies the unit and value of how time is measured.

Type: [QuotaPeriod \(p. 54\)](#) object

Required: No

### QuotaArn

The Amazon Resource Name (ARN) of the service quota.

Type: String

Required: No

### QuotaCode

The code identifier for the service quota specified.

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 name identifier of the service quota.

Type: String



Required: No

#### **ServiceCode**

Specifies the service that you want to use.

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 name of the AWS service specified in the increase request.

Type: String

Required: No

#### **Unit**

The unit of measurement for the value of the service quota.

Type: String

Required: No

#### **UsageMetric**

Specifies the details about the measurement.

Type: [MetricInfo](#) (p. 53) object

Required: No

#### **Value**

The value of service quota.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# ServiceQuotaIncreaseRequestInTemplate

A structure that contains information about one service quota increase request.

## Contents

### **AwsRegion**

The AWS Region where the increase request occurs.

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**

Identifies the new, increased value of the service quota in the increase request.

Type: Double

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

Required: No

### **GlobalQuota**

Specifies if the quota is a global quota.

Type: Boolean

Required: No

### **QuotaCode**

The code identifier for the service quota specified in the increase request.

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 name of the service quota in the increase request.

Type: String

Required: No

### **ServiceCode**

The code identifier for the AWS service specified in the increase request.

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 name of the AWS service specified in the increase request.

Type: String

Required: No

**Unit**

The unit of measure for the increase request.

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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

# 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 [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

## 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 [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

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'THHMMSS'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 [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

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 Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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

## **InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

## **InvalidParameterValue**

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

## **InvalidQueryParameter**

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

## **MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

## **MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400

**MissingAuthenticationToken**

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

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