
AWS Service Catalog

Developer Guide



AWS Service Catalog: Developer Guide

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What Is AWS Service Catalog?

[AWS Service Catalog](#) enables organizations to create and manage catalogs of products that are approved for use on AWS.

If you are new to AWS Service Catalog, see the following guides: [AWS Service Catalog Administrator Guide](#) and [AWS Service Catalog User Guide](#).

Benefits of Using the AWS Service Catalog API

The AWS Service Catalog API provides programmatic control over all end-user actions as an alternative to using the AWS Management Console. When you use the API, you can do the following:

- Write your own custom interfaces and apps
- Obtain fine-grained control of end user product provisioning operations
- Integrate resource provisioning into your orchestration pipelines

Access AWS Service Catalog

To build applications using language-specific APIs, use the libraries, sample code, tutorials, and other resources for software developers. These libraries provide basic functions that automate tasks such as cryptographically signing your requests, retrying requests, and handling error responses, making it is easier for you to get started. To get started, open [Tools for Amazon Web Services](#) and locate the SDK of your choice under **SDKs**.

If you prefer to use a command line interface, you have the following options:

AWS Command Line Interface (CLI)

To get started, see the [AWS Command Line Interface User Guide](#). For more information about the commands for AWS Service Catalog, see [servicecatalog](#) in the *AWS CLI Command Reference*.

AWS Tools for Windows PowerShell

To get started, see the [AWS Tools for Windows PowerShell User Guide](#). For more information about the cmdlets for AWS Service Catalog, open the [AWS Tools for PowerShell Cmdlet Reference](#) and expand **AWS Service Catalog**.

Example Workflow

In this scenario, the administrator creates resources using AWS Service Catalog and an end user finds what products are available and provisions the product. This is an example workflow; this is not the only way to use the AWS Service Catalog API.

Administrator Tasks

- Create portfolios, product views, products, product versions, and constraints.
- Assign IAM users to products, which gives them access.

End User Tasks

1. The user calls [SearchProducts \(p. 135\)](#) with no arguments. This returns the list of products the user has access to, as well as a "SearchDomain" that can be used to scope the results.
2. The user continues to call [SearchProducts \(p. 135\)](#) with additional search filters until the desired product is found.
3. The user calls [DescribeProductView \(p. 68\)](#) to find the list of provisioning artifacts (also known as versions) for this product. This determines what the user actually provisions.
4. The user calls [ListLaunchPaths \(p. 100\)](#) to find the list of paths for this product, along with the constraints for each path. This determines what set of constraints is applied on the provisioned product.
5. After choosing a provisioning artifact and a path, the user calls [DescribeProvisioningParameters \(p. 78\)](#). This returns the list of parameters the user must provide before provisioning a product using the provisioning artifact and path, along with whatever additional usage instructions the administrator decided to provide.
6. The user calls [ProvisionProduct \(p. 126\)](#), specifying the product, provisioning artifact, path, and input parameters. The input parameters are a list of key-value pairs, where the keys are obtained using [DescribeProvisioningParameters \(p. 78\)](#) and the values are user-provided (for example, `{ParameterKey:"dbpassword", ParameterValue:"mycoolpassword"}`). This starts a workflow to create the specified AWS resources. It also creates a record detail that tracks the provisioning request, and a provisioned product object that represents the underlying AWS resources.
7. The user polls [DescribeRecord \(p. 81\)](#) to see when the status of the record detail changes from the `IN_PROGRESS` state to a completed state (either `SUCCEEDED` or `ERROR`).
8. When the record detail for the request is in a completed state, the user calls [DescribeRecord \(p. 81\)](#) once more. The outputs identifies the created resources.
9. The user calls [UpdateProvisionedProduct \(p. 158\)](#) to update the underlying resources in place. Depending on the specific updates requested, this operation can update with no interruption, with some interruption, or replace the provisioned product entirely.
10. Finally, the user calls [TerminateProvisionedProduct \(p. 146\)](#) to terminate the provisioned product.

AWS Service Catalog API Overview

The AWS Service Catalog API can be logically divided into the following categories.

Operations by category

- [Product Discovery](#) (p. 3)
- [Provisioning Requests](#) (p. 3)
- [Provisioned Products](#) (p. 4)
- [Provisioned Product Plans](#) (p. 4)
- [Portfolios](#) (p. 5)
- [Principal Association](#) (p. 5)
- [Products](#) (p. 6)
- [Provisioning Artifacts](#) (p. 6)
- [Constraints](#) (p. 7)
- [TagOptions](#) (p. 7)

Product Discovery

Use these operations to discover or get information about products and what is required to launch them. These operations do not create or modify resources.

[SearchProducts](#) (p. 135)

Lists all products to which the caller has access.

[DescribeProduct](#) (p. 63)

Get detailed information about a product.

[DescribeProductView](#) (p. 68)

Functionally identical to `DescribeProduct`, except that it takes the ID of a product view instead of the ID of a product.

[ListLaunchPaths](#) (p. 100)

Lists all of the ways the user has access to a specified product, referred to as *paths* to the product. A user must select a path in order to provision the product.

[DescribeProvisioningParameters](#) (p. 78)

Gets the parameters needed to provision a specified product, and provides additional metadata about what will happen when the product is provisioned.

Each `ProvisioningArtifactParameter` is something the user must specify in order to successfully provision the product (for example, the size of an EC2 instance). The `ConstraintSummary` objects contain the list of allowable values and additional metadata about the `ProvisioningArtifactParameter` objects.

Provisioning Requests

Use these operations to request, update, or terminate provisioning for a product.

[ProvisionProduct \(p. 126\)](#)

Requests provisioning for a product. To provision a product is to launch the resources needed to bring that product online for actual use. For example, provisioning a product backed by an AWS CloudFormation template means launching an AWS CloudFormation stack and all its underlying resources.

[UpdateProvisionedProduct \(p. 158\)](#)

Updates the configuration of a provisioned product. For example, a product backed by AWS CloudFormation gets its underlying AWS CloudFormation stack updated. The requester must have sufficient access permissions to the specified ProvisionedProduct.

[TerminateProvisionedProduct \(p. 146\)](#)

Requests termination of a provisioned product. For example, for a product backed by AWS CloudFormation, this deletes the underlying AWS CloudFormation stack. The requester must have sufficient access permissions to the specified provisioned product.

Provisioned Products

Use these operations to get information about provisioned products. These operations do not create or modify resources.

[ListRecordHistory \(p. 118\)](#)

Lists all requests performed, even for terminated provisioned products.

[DescribeRecord \(p. 81\)](#)

Gets information about a request. Use this operation after the request operation to obtain current RecordDetail information.

[SearchProvisionedProducts \(p. 143\)](#)

Gets information about the provisioned products that meet specified criteria.

[ScanProvisionedProducts \(p. 132\)](#)

Lists the provisioned products that are not terminated.

[DescribeProvisionedProduct \(p. 70\)](#)

Gets information about a provisioned product.

Provisioned Product Plans

Use these operations to manage your provisioned product plans. A plan includes the list of resources that will be created or modified when the plan is executed.

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

Creates a plan.

[DescribeProvisionedProductPlan \(p. 72\)](#)

Gets information about the resource changes for a plan.

[ExecuteProvisionedProductPlan \(p. 92\)](#)

Provisions or modifies a product based on a plan.

[ListProvisionedProductPlans \(p. 113\)](#)

Lists the plans for a provisioned product.

[DeleteProvisionedProductPlan \(p. 53\)](#)

Deletes a plan.

Portfolios

Intended for the catalog administrator, these operations provide all necessary operations for portfolio management.

[CreatePortfolio \(p. 26\)](#)

Creates a portfolio.

[DeletePortfolio \(p. 47\)](#)

Deletes a portfolio.

[DescribePortfolio \(p. 61\)](#)

Gets detailed information about a portfolio.

[ListPortfolios \(p. 105\)](#)

Lists all portfolios in the catalog.

[ListPortfoliosForProduct \(p. 107\)](#)

Lists all portfolios that a product is associated with.

[UpdatePortfolio \(p. 151\)](#)

Updates a portfolio.

[CreatePortfolioShare \(p. 29\)](#)

Shares a portfolio with an AWS account.

[DeletePortfolioShare \(p. 49\)](#)

Stops sharing a portfolio.

[AcceptPortfolioShare \(p. 11\)](#)

Accepts an offer to share a portfolio.

[RejectPortfolioShare \(p. 130\)](#)

Rejects an offer to share a portfolio.

[ListAcceptedPortfolioShares \(p. 95\)](#)

Lists details of all portfolios for which sharing was accepted by this account.

[ListPortfolioAccess \(p. 103\)](#)

Lists the account IDs that have access to a portfolio.

Principal Association

Intended for the catalog administrator, these operations provide all necessary operations for principal association.

[AssociatePrincipalWithPortfolio \(p. 13\)](#)

Associates a principal ARN with a portfolio.

[DisassociatePrincipalFromPortfolio \(p. 86\)](#)

Disassociates a principal ARN from a portfolio.

[ListPrincipalsForPortfolio \(p. 110\)](#)

Lists all principal ARNs associated with a portfolio.

Products

Intended for the catalog administrator, these operations provide all necessary operations for product management.

[SearchProductsAsAdmin \(p. 140\)](#)

Gets summary and status information for products.

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

Gets information about a product.

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

Creates a product.

[CopyProduct \(p. 19\)](#)

Copies a product.

[DescribeCopyProductStatus \(p. 59\)](#)

Gets the status of a copy product operation.

[UpdateProduct \(p. 154\)](#)

Updates a product.

[DeleteProduct \(p. 51\)](#)

Deletes a product.

[AssociateProductWithPortfolio \(p. 15\)](#)

Associates a product with a portfolio.

[DisassociateProductFromPortfolio \(p. 88\)](#)

Disassociates a product from a portfolio.

Provisioning Artifacts

Intended for the catalog administrator, these operations manage provisioning artifacts (also known as product versions).

[DescribeProvisioningArtifact \(p. 75\)](#)

Gets information about a provisioning artifact.

[CreateProvisioningArtifact \(p. 40\)](#)

Creates a provisioning artifact for a product.

[DeleteProvisioningArtifact \(p. 55\)](#)

Deletes a provisioning artifact.

[ListProvisioningArtifacts \(p. 116\)](#)

Lists all provisioning artifacts associated with a product.

[UpdateProvisioningArtifact \(p. 162\)](#)

Updates a provisioning artifact.

Constraints

Intended for the catalog administrator, these operations manage constraints.

[CreateConstraint \(p. 22\)](#)

Creates a constraint.

[DeleteConstraint \(p. 45\)](#)

Deletes a constraint.

[DescribeConstraint \(p. 57\)](#)

Gets information about a constraint.

[UpdateConstraint \(p. 149\)](#)

Updates a constraint.

[ListConstraintsForPortfolio \(p. 97\)](#)

Gets constraint information for the a portfolio and product.

TagOptions

Intended for the catalog administrator, these operations manage TagOptions.

[CreateTagOption \(p. 43\)](#)

Creates a TagOption.

[ListTagOptions \(p. 124\)](#)

Lists your TagOptions.

[DescribeTagOption \(p. 84\)](#)

Describes a TagOption.

[UpdateTagOption \(p. 165\)](#)

Updates a TagOption.

[AssociateTagOptionWithResource \(p. 17\)](#)

Associates a TagOption with a resource.

[DisassociateTagOptionFromResource \(p. 90\)](#)

Disassociates a TagOption from a resource.

[ListResourcesForTagOption \(p. 121\)](#)

Lists the resources for a TagOption.

API Reference

The following actions and data types are supported:

- [Actions \(p. 9\)](#)
- [Data Types \(p. 166\)](#)

Actions

The following actions are supported:

- [AcceptPortfolioShare \(p. 11\)](#)
- [AssociatePrincipalWithPortfolio \(p. 13\)](#)
- [AssociateProductWithPortfolio \(p. 15\)](#)
- [AssociateTagOptionWithResource \(p. 17\)](#)
- [CopyProduct \(p. 19\)](#)
- [CreateConstraint \(p. 22\)](#)
- [CreatePortfolio \(p. 26\)](#)
- [CreatePortfolioShare \(p. 29\)](#)
- [CreateProduct \(p. 31\)](#)
- [CreateProvisionedProductPlan \(p. 35\)](#)
- [CreateProvisioningArtifact \(p. 40\)](#)
- [CreateTagOption \(p. 43\)](#)
- [DeleteConstraint \(p. 45\)](#)
- [DeletePortfolio \(p. 47\)](#)
- [DeletePortfolioShare \(p. 49\)](#)
- [DeleteProduct \(p. 51\)](#)
- [DeleteProvisionedProductPlan \(p. 53\)](#)
- [DeleteProvisioningArtifact \(p. 55\)](#)
- [DescribeConstraint \(p. 57\)](#)
- [DescribeCopyProductStatus \(p. 59\)](#)
- [DescribePortfolio \(p. 61\)](#)
- [DescribeProduct \(p. 63\)](#)
- [DescribeProductAsAdmin \(p. 65\)](#)
- [DescribeProductView \(p. 68\)](#)
- [DescribeProvisionedProduct \(p. 70\)](#)
- [DescribeProvisionedProductPlan \(p. 72\)](#)
- [DescribeProvisioningArtifact \(p. 75\)](#)
- [DescribeProvisioningParameters \(p. 78\)](#)
- [DescribeRecord \(p. 81\)](#)
- [DescribeTagOption \(p. 84\)](#)
- [DisassociatePrincipalFromPortfolio \(p. 86\)](#)
- [DisassociateProductFromPortfolio \(p. 88\)](#)

- [DisassociateTagOptionFromResource](#) (p. 90)
- [ExecuteProvisionedProductPlan](#) (p. 92)
- [ListAcceptedPortfolioShares](#) (p. 95)
- [ListConstraintsForPortfolio](#) (p. 97)
- [ListLaunchPaths](#) (p. 100)
- [ListPortfolioAccess](#) (p. 103)
- [ListPortfolios](#) (p. 105)
- [ListPortfoliosForProduct](#) (p. 107)
- [ListPrincipalsForPortfolio](#) (p. 110)
- [ListProvisionedProductPlans](#) (p. 113)
- [ListProvisioningArtifacts](#) (p. 116)
- [ListRecordHistory](#) (p. 118)
- [ListResourcesForTagOption](#) (p. 121)
- [ListTagOptions](#) (p. 124)
- [ProvisionProduct](#) (p. 126)
- [RejectPortfolioShare](#) (p. 130)
- [ScanProvisionedProducts](#) (p. 132)
- [SearchProducts](#) (p. 135)
- [SearchProductsAsAdmin](#) (p. 140)
- [SearchProvisionedProducts](#) (p. 143)
- [TerminateProvisionedProduct](#) (p. 146)
- [UpdateConstraint](#) (p. 149)
- [UpdatePortfolio](#) (p. 151)
- [UpdateProduct](#) (p. 154)
- [UpdateProvisionedProduct](#) (p. 158)
- [UpdateProvisioningArtifact](#) (p. 162)
- [UpdateTagOption](#) (p. 165)

AcceptPortfolioShare

Accepts an offer to share the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 11)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 11)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

AssociatePrincipalWithPortfolio

Associates the specified principal ARN with the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string",  
  "PrincipalARN": "string",  
  "PrincipalType": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 13)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 13)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

PrincipalARN (p. 13)

The ARN of the principal (IAM user, role, or group).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

PrincipalType (p. 13)

The principal type. The supported value is `IAM`.

Type: String

Valid Values: `IAM`

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

AssociateProductWithPortfolio

Associates the specified product with the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string",  
  "ProductId": "string",  
  "SourcePortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 15)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 15)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProductId (p. 15)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

SourcePortfolioId (p. 15)

The identifier of the source portfolio.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

AssociateTagOptionWithResource

Associate the specified TagOption with the specified portfolio or product.

Request Syntax

```
{  
  "ResourceId": "string",  
  "TagOptionId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

ResourceId (p. 17)

The resource identifier.

Type: String

Required: Yes

TagOptionId (p. 17)

The TagOption identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

InvalidStateException

An attempt was made to modify a resource that is in a state that is not valid. Check your resources to ensure that they are in valid states before retrying the operation.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

CopyProduct

Copies the specified source product to the specified target product or a new product.

You can copy a product to the same account or another account. You can copy a product to the same region or another region.

This operation is performed asynchronously. To track the progress of the operation, use [DescribeCopyProductStatus](#) (p. 59).

Request Syntax

```
{
  "AcceptLanguage": "string",
  "CopyOptions": [ "string" ],
  "IdempotencyToken": "string",
  "SourceProductArn": "string",
  "SourceProvisioningArtifactIdentifiers": [
    {
      "string" : "string"
    }
  ],
  "TargetProductId": "string",
  "TargetProductName": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

[AcceptLanguage](#) (p. 19)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

[CopyOptions](#) (p. 19)

The copy options. If the value is CopyTags, the tags from the source product are copied to the target product.

Type: Array of strings

Valid Values: CopyTags

Required: No

[IdempotencyToken](#) (p. 19)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: Yes

SourceProductArn (p. 19)

The Amazon Resource Name (ARN) of the source product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `arn:[a-z0-9-\.\]{1,63}:[a-z0-9-\.\]{0,63}:[a-z0-9-\.\]{0,63}:[a-z0-9-\.\]{0,63}:[^/].{0,1023}`

Required: Yes

SourceProvisioningArtifactIdentifiers (p. 19)

The identifiers of the provisioning artifacts (also known as versions) of the product to copy. By default, all provisioning artifacts are copied.

Type: Array of string to string maps

Valid Keys: `Id`

Required: No

TargetProductId (p. 19)

The identifier of the target product. By default, a new product is created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

TargetProductName (p. 19)

A name for the target product. The default is the name of the source product.

Type: String

Required: No

Response Syntax

```
{
  "CopyProductToken": "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.

CopyProductToken (p. 20)

The token to use to track the progress of the operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

CreateConstraint

Creates a constraint.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Description": "string",  
  "IdempotencyToken": "string",  
  "Parameters": "string",  
  "PortfolioId": "string",  
  "ProductId": "string",  
  "Type": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 22)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Description (p. 22)

The description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

IdempotencyToken (p. 22)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: Yes

Parameters (p. 22)

The constraint parameters, in JSON format. The syntax depends on the constraint type as follows:
LAUNCH

Specify the RoleArn property as follows:

```
\RoleArn\" : \"arn:aws:iam::123456789012:role/LaunchRole\"
```

NOTIFICATION

Specify the `NotificationArns` property as follows:

```
\NotificationArns\" : [\"arn:aws:sns:us-east-1:123456789012:Topic\"]
```

TEMPLATE

Specify the `Rules` property. For more information, see [Template Constraint Rules](#).

Type: String

Required: Yes

PortfolioId (p. 22)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProductId (p. 22)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Type (p. 22)

The type of constraint.

- LAUNCH
- NOTIFICATION
- TEMPLATE

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

Response Syntax

```
{
  "ConstraintDetail": {
    "ConstraintId": "string",
    "Description": "string",
    "Owner": "string",
    "Type": "string"
  },
  "ConstraintParameters": "string",
  "Status": "string"
}
```

Response Elements

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

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

ConstraintDetail (p. 23)

Information about the constraint.

Type: [ConstraintDetail \(p. 170\)](#) object

ConstraintParameters (p. 23)

The constraint parameters.

Type: String

Status (p. 23)

The status of the current request.

Type: String

Valid Values: `AVAILABLE` | `CREATING` | `FAILED`

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

CreatePortfolio

Creates a portfolio.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "Description": "string",
  "DisplayName": "string",
  "IdempotencyToken": "string",
  "ProviderName": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 26)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Description (p. 26)

The description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

DisplayName (p. 26)

The name to use for display purposes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

IdempotencyToken (p. 26)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: Yes

ProviderName (p. 26)

The name of the portfolio provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Required: Yes

Tags (p. 26)

One or more tags.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 20 items.

Required: No

Response Syntax

```
{
  "PortfolioDetail": {
    "ARN": "string",
    "CreatedTime": number,
    "Description": "string",
    "DisplayName": "string",
    "Id": "string",
    "ProviderName": "string"
  },
  "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.

PortfolioDetail (p. 27)

Information about the portfolio.

Type: [PortfolioDetail \(p. 176\)](#) object

Tags (p. 27)

Information about the tags associated with the portfolio.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

CreatePortfolioShare

Shares the specified portfolio with the specified account.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "AccountId": "string",  
  "PortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 29)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AccountId (p. 29)

The AWS account ID.

Type: String

Pattern: `^[0-9]{12}$`

Required: Yes

PortfolioId (p. 29)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

CreateProduct

Creates a product.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "Description": "string",
  "Distributor": "string",
  "IdempotencyToken": "string",
  "Name": "string",
  "Owner": "string",
  "ProductType": "string",
  "ProvisioningArtifactParameters": {
    "Description": "string",
    "Info": {
      "string" : "string"
    },
    "Name": "string",
    "Type": "string"
  },
  "SupportDescription": "string",
  "SupportEmail": "string",
  "SupportUrl": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 31)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Description (p. 31)

The description of the product.

Type: String

Required: No

Distributor (p. 31)

The distributor of the product.

Type: String

Required: No

IdempotencyToken (p. 31)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: Yes

Name (p. 31)

The name of the product.

Type: String

Required: Yes

Owner (p. 31)

The owner of the product.

Type: String

Required: Yes

ProductType (p. 31)

The type of product.

Type: String

Valid Values: CLOUD_FORMATION_TEMPLATE | MARKETPLACE

Required: Yes

ProvisioningArtifactParameters (p. 31)

The configuration of the provisioning artifact.

Type: [ProvisioningArtifactProperties \(p. 198\)](#) object

Required: Yes

SupportDescription (p. 31)

The support information about the product.

Type: String

Required: No

SupportEmail (p. 31)

The contact email for product support.

Type: String

Required: No

SupportUrl (p. 31)

The contact URL for product support.

Type: String

Required: No

Tags (p. 31)

One or more tags.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 20 items.

Required: No

Response Syntax

```
{
  "ProductViewDetail": {
    "CreatedTime": number,
    "ProductARN": "string",
    "ProductViewSummary": {
      "Distributor": "string",
      "HasDefaultPath": boolean,
      "Id": "string",
      "Name": "string",
      "Owner": "string",
      "ProductId": "string",
      "ShortDescription": "string",
      "SupportDescription": "string",
      "SupportEmail": "string",
      "SupportUrl": "string",
      "Type": "string"
    },
    "Status": "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Id": "string",
    "Name": "string",
    "Type": "string"
  },
  "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.

ProductViewDetail (p. 33)

Information about the product view.

Type: [ProductViewDetail \(p. 180\)](#) object

ProvisioningArtifactDetail (p. 33)

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail \(p. 194\)](#) object

Tags (p. 33)

Information about the tags associated with the product.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

CreateProvisionedProductPlan

Creates a plan. A plan includes the list of resources that will be created (when provisioning a new product) or modified (when updating a provisioned product) when the plan is executed.

You can create one plan per provisioned product. To create a plan for an existing provisioned product, its status must be AVAILABLE or TAINTED.

To view the resource changes in the change set, use [DescribeProvisionedProductPlan \(p. 72\)](#). To create or modify the provisioned product, use [ExecuteProvisionedProductPlan \(p. 92\)](#).

Request Syntax

```
{
  "AcceptLanguage": "string",
  "IdempotencyToken": "string",
  "NotificationArns": [ "string" ],
  "PathId": "string",
  "PlanName": "string",
  "PlanType": "string",
  "ProductId": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningParameters": [
    {
      "Key": "string",
      "UsePreviousValue": boolean,
      "Value": "string"
    }
  ],
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 35)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

IdempotencyToken (p. 35)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: Yes

NotificationArns (p. 35)

Passed to CloudFormation. The SNS topic ARNs to which to publish stack-related events.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `arn:[a-z0-9-\.\]{1,63}:[a-z0-9-\.\]{0,63}:[a-z0-9-\.\]{0,63}:[a-z0-9-\.\]{0,63}:[^/]{0,1023}`

Required: No

PathId (p. 35)

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use [ListLaunchPaths \(p. 100\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

PlanName (p. 35)

The name of the plan.

Type: String

Required: Yes

PlanType (p. 35)

The plan type.

Type: String

Valid Values: `CLOUDFORMATION`

Required: Yes

ProductId (p. 35)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisionedProductName (p. 35)

A user-friendly name for the provisioned product. This value must be unique for the AWS account and cannot be updated after the product is provisioned.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]*`

Required: Yes

ProvisioningArtifactId (p. 35)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisioningParameters (p. 35)

Parameters specified by the administrator that are required for provisioning the product.

Type: Array of [UpdateProvisioningParameter \(p. 215\)](#) objects

Required: No

Tags (p. 35)

One or more tags.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

Response Syntax

```
{
  "PlanId": "string",
  "PlanName": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisionProductId": "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.

PlanId (p. 37)

The plan identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

PlanName (p. 37)

The name of the plan.

Type: String

ProvisionedProductName (p. 37)

The user-friendly name of the provisioned product.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]*`

ProvisioningArtifactId (p. 37)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

ProvisionProductId (p. 37)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

InvalidStateException

An attempt was made to modify a resource that is in a state that is not valid. Check your resources to ensure that they are in valid states before retrying the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

CreateProvisioningArtifact

Creates a provisioning artifact (also known as a version) for the specified product.

You cannot create a provisioning artifact for a product that was shared with you.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "IdempotencyToken": "string",
  "Parameters": {
    "Description": "string",
    "Info": {
      "string": "string"
    },
    "Name": "string",
    "Type": "string"
  },
  "ProductId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 40)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

IdempotencyToken (p. 40)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: Yes

Parameters (p. 40)

The configuration for the provisioning artifact.

Type: [ProvisioningArtifactProperties \(p. 198\)](#) object

Required: Yes

ProductId (p. 40)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
  "Info": {
    "string" : "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Id": "string",
    "Name": "string",
    "Type": "string"
  },
  "Status": "string"
}
```

Response Elements

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

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

Info (p. 41)

The URL of the CloudFormation template in Amazon S3, in JSON format.

Type: String to string map

ProvisioningArtifactDetail (p. 41)

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail \(p. 194\)](#) object

Status (p. 41)

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

Example

To create a provisioning artifact

The following shows an example JSON request.

Sample Request

```
{
  "AcceptLanguage": "en",
  "ProductId": "prod-mjpjbit3pzuqi",
  "Parameters":
  {
    "Name": "Version-2",
    "Description": "my-test-2",
    "Info":
    {
      "LoadTemplateFromURL": "https://s3.amazonaws.com/cf-templates-ozkq9d3hgiq2-us-east-1/..." ,
    },
    "Type": "CLOUD_FORMATION_TEMPLATE"
    "IdempotencyToken": "my-test-token-2"
  }
}
```

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](#)

CreateTagOption

Creates a TagOption.

Request Syntax

```
{  
  "Key": "string",  
  "Value": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

Key (p. 43)

The TagOption key.

Type: String

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

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

Required: Yes

Value (p. 43)

The TagOption value.

Type: String

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

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

Required: Yes

Response Syntax

```
{  
  "TagOptionDetail": {  
    "Active": boolean,  
    "Id": "string",  
    "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.

[TagOptionDetail \(p. 43\)](#)

Information about the TagOption.

Type: [TagOptionDetail \(p. 213\)](#) object

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

DeleteConstraint

Deletes the specified constraint.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 45)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 45)

The identifier of the constraint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DeletePortfolio

Deletes the specified portfolio.

You cannot delete a portfolio if it was shared with you or if it has associated products, users, constraints, or shared accounts.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 47)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 47)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceInUseException

A resource that is currently in use. Ensure that the resource is not in use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

DeletePortfolioShare

Stops sharing the specified portfolio with the specified account.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "AccountId": "string",  
  "PortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 49)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AccountId (p. 49)

The AWS account ID.

Type: String

Pattern: `^[0-9]{12}$`

Required: Yes

PortfolioId (p. 49)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DeleteProduct

Deletes the specified product.

You cannot delete a product if it was shared with you or is associated with a portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 51)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 51)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceInUseException

A resource that is currently in use. Ensure that the resource is not in use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

DeleteProvisionedProductPlan

Deletes the specified plan.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "IgnoreErrors": boolean,  
  "PlanId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 53)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

IgnoreErrors (p. 53)

If set to true, AWS Service Catalog stops managing the specified provisioned product even if it cannot delete the underlying resources.

Type: Boolean

Required: No

PlanId (p. 53)

The plan identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DeleteProvisioningArtifact

Deletes the specified provisioning artifact (also known as a version) for the specified product.

You cannot delete a provisioning artifact associated with a product that was shared with you. You cannot delete the last provisioning artifact for a product, because a product must have at least one provisioning artifact.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "ProductId": "string",  
  "ProvisioningArtifactId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 55)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

ProductId (p. 55)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisioningArtifactId (p. 55)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceInUseException

A resource that is currently in use. Ensure that the resource is not in use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeConstraint

Gets information about the specified constraint.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 57)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 57)

The identifier of the constraint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "ConstraintDetail": {  
    "ConstraintId": "string",  
    "Description": "string",  
    "Owner": "string",  
    "Type": "string"  
  },  
  "ConstraintParameters": "string",  
  "Status": "string"  
}
```

Response Elements

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

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

ConstraintDetail (p. 57)

Information about the constraint.

Type: [ConstraintDetail \(p. 170\)](#) object

ConstraintParameters (p. 57)

The constraint parameters.

Type: String

Status (p. 57)

The status of the current request.

Type: String

Valid Values: `AVAILABLE` | `CREATING` | `FAILED`

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeCopyProductStatus

Gets the status of the specified copy product operation.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "CopyProductToken": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 59)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

CopyProductToken (p. 59)

The token for the copy product operation. This token is returned by [CopyProduct \(p. 19\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "CopyProductStatus": "string",  
  "StatusDetail": "string",  
  "TargetProductId": "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.

CopyProductStatus (p. 59)

The status of the copy product operation.

Type: String

Valid Values: SUCCEEDED | IN_PROGRESS | FAILED

StatusDetail (p. 59)

The status message.

Type: String

TargetProductId (p. 59)

The identifier of the copied product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribePortfolio

Gets information about the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 61)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 61)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "PortfolioDetail": {  
    "ARN": "string",  
    "CreateTime": number,  
    "Description": "string",  
    "DisplayName": "string",  
    "Id": "string",  
    "ProviderName": "string"  
  },  
  "TagOptions": [  
    {  
      "Active": boolean,  
      "Id": "string",  
      "Key": "string",  
      "Value": "string"  
    }  
  ],  
  "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.

PortfolioDetail (p. 61)

Information about the portfolio.

Type: [PortfolioDetail \(p. 176\)](#) object

TagOptions (p. 61)

Information about the TagOptions associated with the portfolio.

Type: Array of [TagOptionDetail \(p. 213\)](#) objects

Tags (p. 61)

Information about the tags associated with the portfolio.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProduct

Gets information about the specified product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 63)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 63)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "ProductViewSummary": {  
    "Distributor": "string",  
    "HasDefaultPath": boolean,  
    "Id": "string",  
    "Name": "string",  
    "Owner": "string",  
    "ProductId": "string",  
    "ShortDescription": "string",  
    "SupportDescription": "string",  
    "SupportEmail": "string",  
    "SupportUrl": "string",  
    "Type": "string"  
  },  
  "ProvisioningArtifacts": [  
    {  
      "CreatedTime": number,  
      "Description": "string",  
      "Id": "string",  
      "Name": "string"  
    }  
  ]  
}
```

```
}  
  ]  
}
```

Response Elements

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

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

ProductViewSummary (p. 63)

Summary information about the product view.

Type: [ProductViewSummary](#) (p. 181) object

ProvisioningArtifacts (p. 63)

Information about the provisioning artifacts for the specified product.

Type: Array of [ProvisioningArtifact](#) (p. 193) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProductAsAdmin

Gets information about the specified product. This operation is run with administrator access.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 65)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 65)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "ProductViewDetail": {  
    "CreatedTime": number,  
    "ProductARN": "string",  
    "ProductViewSummary": {  
      "Distributor": "string",  
      "HasDefaultPath": boolean,  
      "Id": "string",  
      "Name": "string",  
      "Owner": "string",  
      "ProductId": "string",  
      "ShortDescription": "string",  
      "SupportDescription": "string",  
      "SupportEmail": "string",  
      "SupportUrl": "string",  
      "Type": "string"  
    },  
    "Status": "string"  
  },  
  "ProvisioningArtifactSummaries": [  

```

```
{
  "CreatedTime": number,
  "Description": "string",
  "Id": "string",
  "Name": "string",
  "ProvisioningArtifactMetadata": {
    "string" : "string"
  }
},
"TagOptions": [
  {
    "Active": boolean,
    "Id": "string",
    "Key": "string",
    "Value": "string"
  }
],
"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.

ProductViewDetail (p. 65)

Information about the product view.

Type: [ProductViewDetail \(p. 180\)](#) object

ProvisioningArtifactSummaries (p. 65)

Information about the provisioning artifacts (also known as versions) for the specified product.

Type: Array of [ProvisioningArtifactSummary \(p. 199\)](#) objects

TagOptions (p. 65)

Information about the TagOptions associated with the product.

Type: Array of [TagOptionDetail \(p. 213\)](#) objects

Tags (p. 65)

Information about the tags associated with the product.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProductView

Gets information about the specified product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 68)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 68)

The product view identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "ProductViewSummary": {  
    "Distributor": "string",  
    "HasDefaultPath": boolean,  
    "Id": "string",  
    "Name": "string",  
    "Owner": "string",  
    "ProductId": "string",  
    "ShortDescription": "string",  
    "SupportDescription": "string",  
    "SupportEmail": "string",  
    "SupportUrl": "string",  
    "Type": "string"  
  },  
  "ProvisioningArtifacts": [  
    {  
      "CreatedTime": number,  
      "Description": "string",  
      "Id": "string",  
      "Name": "string"  
    }  
  ]  
}
```

```
}  
  ]  
}
```

Response Elements

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

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

ProductViewSummary (p. 68)

Summary information about the product.

Type: [ProductViewSummary](#) (p. 181) object

ProvisioningArtifacts (p. 68)

Information about the provisioning artifacts for the product.

Type: Array of [ProvisioningArtifact](#) (p. 193) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProvisionedProduct

Gets information about the specified provisioned product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 70)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 70)

The provisioned product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "CloudWatchDashboards": [  
    {  
      "Name": "string"  
    }  
  ],  
  "ProvisionedProductDetail": {  
    "Arn": "string",  
    "CreateTime": number,  
    "Id": "string",  
    "IdempotencyToken": "string",  
    "LastRecordId": "string",  
    "Name": "string",  
    "Status": "string",  
    "StatusMessage": "string",  
    "Type": "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.

CloudWatchDashboards (p. 70)

Any CloudWatch dashboards that were created when provisioning the product.

Type: Array of [CloudWatchDashboard \(p. 169\)](#) objects

ProvisionedProductDetail (p. 70)

Information about the provisioned product.

Type: [ProvisionedProductDetail \(p. 186\)](#) object

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProvisionedProductPlan

Gets information about the resource changes for the specified plan.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string",  
  "PlanId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 72)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 72)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 72)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

Required: No

PlanId (p. 72)

The plan identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
```

```

"NextPageToken": "string",
"ProvisionedProductPlanDetails": {
  "CreatedTime": number,
  "NotificationArns": [ "string" ],
  "PathId": "string",
  "PlanId": "string",
  "PlanName": "string",
  "PlanType": "string",
  "ProductId": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningParameters": [
    {
      "Key": "string",
      "UsePreviousValue": boolean,
      "Value": "string"
    }
  ],
  "ProvisionProductId": "string",
  "ProvisionProductName": "string",
  "Status": "string",
  "StatusMessage": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "UpdateTime": number
},
"ResourceChanges": [
  {
    "Action": "string",
    "Details": [
      {
        "CausingEntity": "string",
        "Evaluation": "string",
        "Target": {
          "Attribute": "string",
          "Name": "string",
          "RequiresRecreation": "string"
        }
      }
    ]
  },
  "LogicalResourceId": "string",
  "PhysicalResourceId": "string",
  "Replacement": "string",
  "ResourceType": "string",
  "Scope": [ "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.

NextPageToken (p. 72)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*

ProvisionedProductPlanDetails (p. 72)

Information about the plan.

Type: [ProvisionedProductPlanDetails \(p. 188\)](#) object

ResourceChanges (p. 72)

Information about the resources changes that will occur when the plan is executed.

Type: Array of [ResourceChange \(p. 207\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProvisioningArtifact

Gets information about the specified provisioning artifact (also known as a version) for the specified product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "ProductId": "string",  
  "ProvisioningArtifactId": "string",  
  "Verbose": boolean  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 75)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

ProductId (p. 75)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisioningArtifactId (p. 75)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Verbose (p. 75)

Indicates whether a verbose level of detail is enabled.

Type: Boolean

Required: No

Response Syntax

```
{
```

```
"Info": {
  "string" : "string"
},
"ProvisioningArtifactDetail": {
  "Active": boolean,
  "CreateTime": number,
  "Description": "string",
  "Id": "string",
  "Name": "string",
  "Type": "string"
},
"Status": "string"
}
```

Response Elements

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

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

Info (p. 75)

The URL of the CloudFormation template in Amazon S3.

Type: String to string map

ProvisioningArtifactDetail (p. 75)

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail \(p. 194\)](#) object

Status (p. 75)

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeProvisioningParameters

Gets information about the configuration required to provision the specified product using the specified provisioning artifact.

If the output contains a TagOption key with an empty list of values, there is a TagOption conflict for that key. The end user cannot take action to fix the conflict, and launch is not blocked. In subsequent calls to [ProvisionProduct](#) (p. 126), do not include conflicted TagOption keys as tags, or this causes the error "Parameter validation failed: Missing required parameter in Tags[N]:Value". Tag the provisioned product with the value `sc-tagoption-conflict-portfolioId-productId`.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PathId": "string",  
  "ProductId": "string",  
  "ProvisioningArtifactId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 78)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PathId (p. 78)

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use [ListLaunchPaths](#) (p. 100).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProductId (p. 78)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisioningArtifactId (p. 78)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
  "ConstraintSummaries": [
    {
      "Description": "string",
      "Type": "string"
    }
  ],
  "ProvisioningArtifactParameters": [
    {
      "DefaultValue": "string",
      "Description": "string",
      "IsNoEcho": boolean,
      "ParameterConstraints": {
        "AllowedValues": [ "string" ]
      },
      "ParameterKey": "string",
      "ParameterType": "string"
    }
  ],
  "TagOptions": [
    {
      "Key": "string",
      "Values": [ "string" ]
    }
  ],
  "UsageInstructions": [
    {
      "Type": "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.

ConstraintSummaries (p. 79)

Information about the constraints used to provision the product.

Type: Array of [ConstraintSummary](#) (p. 171) objects

ProvisioningArtifactParameters (p. 79)

Information about the parameters used to provision the product.

Type: Array of [ProvisioningArtifactParameter](#) (p. 196) objects

TagOptions (p. 79)

Information about the TagOptions associated with the resource.

Type: Array of [TagOptionSummary](#) (p. 214) objects

UsageInstructions (p. 79)

Any additional metadata specifically related to the provisioning of the product. For example, see the `Version` field of the CloudFormation template.

Type: Array of [UsageInstruction](#) (p. 216) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeRecord

Gets information about the specified request operation.

Use this operation after calling a request operation (for example, [ProvisionProduct](#) (p. 126), [TerminateProvisionedProduct](#) (p. 146), or [UpdateProvisionedProduct](#) (p. 158)).

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Id": "string",  
  "PageSize": number,  
  "PageToken": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 81)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Id (p. 81)

The record identifier of the provisioned product. This identifier is returned by the request operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

PageSize (p. 81)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 81)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u0000-\u00ff]*

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "RecordDetail": {
    "CreateTime": number,
    "PathId": "string",
    "ProductId": "string",
    "ProvisionedProductId": "string",
    "ProvisionedProductName": "string",
    "ProvisionedProductType": "string",
    "ProvisioningArtifactId": "string",
    "RecordErrors": [
      {
        "Code": "string",
        "Description": "string"
      }
    ],
    "RecordId": "string",
    "RecordTags": [
      {
        "Key": "string",
        "Value": "string"
      }
    ],
    "RecordType": "string",
    "Status": "string",
    "UpdateTime": number
  },
  "RecordOutputs": [
    {
      "Description": "string",
      "OutputKey": "string",
      "OutputValue": "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.

NextPageToken (p. 82)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*

RecordDetail (p. 82)

Information about the product.

Type: [RecordDetail \(p. 201\)](#) object

RecordOutputs (p. 82)

Information about the product created as the result of a request. For example, the output for a CloudFormation-backed product that creates an S3 bucket would include the S3 bucket URL.

Type: Array of [RecordOutput](#) (p. 205) objects

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

DescribeTagOption

Gets information about the specified TagOption.

Request Syntax

```
{  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

Id (p. 84)

The TagOption identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "TagOptionDetail": {  
    "Active": boolean,  
    "Id": "string",  
    "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.

TagOptionDetail (p. 84)

Information about the TagOption.

Type: [TagOptionDetail \(p. 213\)](#) object

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

DisassociatePrincipalFromPortfolio

Disassociates a previously associated principal ARN from a specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string",  
  "PrincipalARN": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 86)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 86)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

PrincipalARN (p. 86)

The ARN of the principal (IAM user, role, or group).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DisassociateProductFromPortfolio

Disassociates the specified product from the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string",  
  "ProductId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 88)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 88)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProductId (p. 88)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceInUseException

A resource that is currently in use. Ensure that the resource is not in use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

DisassociateTagOptionFromResource

Disassociates the specified TagOption from the specified resource.

Request Syntax

```
{  
  "ResourceId": "string",  
  "TagOptionId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

ResourceId (p. 90)

The resource identifier.

Type: String

Required: Yes

TagOptionId (p. 90)

The TagOption identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

ExecuteProvisionedProductPlan

Provisions or modifies a product based on the resource changes for the specified plan.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "IdempotencyToken": "string",  
  "PlanId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 92)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

IdempotencyToken (p. 92)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: Yes

PlanId (p. 92)

The plan identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "RecordDetail": {  
    "CreateTime": number,  
    "PathId": "string",  
    "ProductId": "string",  
    "ProvisionedProductId": "string",  
  }  
}
```

```
"ProvisionedProductName": "string",
"ProvisionedProductType": "string",
"ProvisioningArtifactId": "string",
"RecordErrors": [
  {
    "Code": "string",
    "Description": "string"
  }
],
"RecordId": "string",
"RecordTags": [
  {
    "Key": "string",
    "Value": "string"
  }
],
"RecordType": "string",
"Status": "string",
"UpdateTime": 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.

RecordDetail (p. 92)

Information about the result of provisioning the product.

Type: [RecordDetail \(p. 201\)](#) object

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

InvalidStateException

An attempt was made to modify a resource that is in a state that is not valid. Check your resources to ensure that they are in valid states before retrying the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListAcceptedPortfolioShares

Lists all portfolios for which sharing was accepted by this account.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 95)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 95)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 95)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

Required: No

Response Syntax

```
{  
  "NextPageToken": "string",  
  "PortfolioDetails": [  
    {  
      "ARN": "string",  
      "CreatedTime": number,  
      "Description": "string",  
      "DisplayName": "string",  
      "Id": "string",  
    }  
  ]  
}
```

```
        "ProviderName": "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.

NextPageToken (p. 95)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*`

PortfolioDetails (p. 95)

Information about the portfolios.

Type: Array of [PortfolioDetail \(p. 176\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

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](#)

ListConstraintsForPortfolio

Lists the constraints for the specified portfolio and product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string",  
  "PortfolioId": "string",  
  "ProductId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 97)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 97)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 97)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD] *

Required: No

PortfolioId (p. 97)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProductId (p. 97)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Response Syntax

```
{
  "ConstraintDetails": [
    {
      "ConstraintId": "string",
      "Description": "string",
      "Owner": "string",
      "Type": "string"
    }
  ],
  "NextPageToken": "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.

ConstraintDetails (p. 98)

Information about the constraints.

Type: Array of [ConstraintDetail \(p. 170\)](#) objects

NextPageToken (p. 98)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListLaunchPaths

Lists the paths to the specified product. A path is how the user has access to a specified product, and is necessary when provisioning a product. A path also determines the constraints put on the product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string",  
  "ProductId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 100)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 100)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 100)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: `[ \u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*`

Required: No

ProductId (p. 100)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
  "LaunchPathSummaries": [
    {
      "ConstraintSummaries": [
        {
          "Description": "string",
          "Type": "string"
        }
      ],
      "Id": "string",
      "Name": "string",
      "Tags": [
        {
          "Key": "string",
          "Value": "string"
        }
      ]
    }
  ],
  "NextPageToken": "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.

LaunchPathSummaries (p. 101)

Information about the launch path.

Type: Array of [LaunchPathSummary](#) (p. 172) objects

NextPageToken (p. 101)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: `[ \u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*`

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListPortfolioAccess

Lists the account IDs that have access to the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 103)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 103)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "AccountIds": [ "string" ],  
  "NextPageToken": "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.

AccountIds (p. 103)

Information about the AWS accounts with access to the portfolio.

Type: Array of strings

Pattern: `^[0-9]{12}$`

NextPageToken (p. 103)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [`\u0009\u000a\u000d\u0020-\u007F\u00E0-\u00FF`]*

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

ListPortfolios

Lists all portfolios in the catalog.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 105)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 105)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 105)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007F\u0000-\uFFFF]*

Required: No

Response Syntax

```
{  
  "NextPageToken": "string",  
  "PortfolioDetails": [  
    {  
      "ARN": "string",  
      "CreatedTime": number,  
      "Description": "string",  
      "DisplayName": "string",  
      "Id": "string",  
    }  
  ]  
}
```

```
        "ProviderName": "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.

NextPageToken (p. 105)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*

PortfolioDetails (p. 105)

Information about the portfolios.

Type: Array of [PortfolioDetail \(p. 176\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

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](#)

ListPortfoliosForProduct

Lists all portfolios that the specified product is associated with.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string",  
  "ProductId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 107)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 107)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 107)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007f\u0080-\u00ff]*`

Required: No

ProductId (p. 107)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
  "NextPageToken": "string",
  "PortfolioDetails": [
    {
      "ARN": "string",
      "CreatedTime": number,
      "Description": "string",
      "DisplayName": "string",
      "Id": "string",
      "ProviderName": "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.

NextPageToken (p. 108)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

PortfolioDetails (p. 108)

Information about the portfolios.

Type: Array of [PortfolioDetail \(p. 176\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListPrincipalsForPortfolio

Lists all principal ARNs associated with the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PageSize": number,  
  "PageToken": "string",  
  "PortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 110)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PageSize (p. 110)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 110)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*`

Required: No

PortfolioId (p. 110)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
  "NextPageToken": "string",
  "Principals": [
    {
      "PrincipalARN": "string",
      "PrincipalType": "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.

NextPageToken (p. 111)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u0000-\ufffd]*

Principals (p. 111)

The IAM principals (users or roles) associated with the portfolio.

Type: Array of [Principal \(p. 178\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListProvisionedProductPlans

Lists the plans for the specified provisioned product or all plans the user has access to.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "AccessLevelFilter": {  
    "Key": "string",  
    "Value": "string"  
  },  
  "PageSize": number,  
  "PageToken": "string",  
  "ProvisionProductId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 113)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AccessLevelFilter (p. 113)

The access level to use to obtain results. The default is User.

Type: [AccessLevelFilter \(p. 168\)](#) object

Required: No

PageSize (p. 113)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 113)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*`

Required: No

ProvisionProductId (p. 113)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "ProvisionedProductPlans": [
    {
      "PlanId": "string",
      "PlanName": "string",
      "PlanType": "string",
      "ProvisioningArtifactId": "string",
      "ProvisionProductId": "string",
      "ProvisionProductName": "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.

NextPageToken (p. 114)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u0D7FF\uE000-\uFFFD]*

ProvisionedProductPlans (p. 114)

Information about the plans.

Type: Array of [ProvisionedProductPlanSummary \(p. 191\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListProvisioningArtifacts

Lists all provisioning artifacts (also known as versions) for the specified product.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "ProductId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 116)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

ProductId (p. 116)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "NextPageToken": "string",  
  "ProvisioningArtifactDetails": [  
    {  
      "Active": boolean,  
      "CreatedTime": number,  
      "Description": "string",  
      "Id": "string",  
      "Name": "string",  
      "Type": "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.

NextPageToken (p. 116)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\\u0009\\u000a\\u000d\\u0020-\\uD7FF\\uE000-\\uFFFD]*

ProvisioningArtifactDetails (p. 116)

Information about the provisioning artifacts.

Type: Array of [ProvisioningArtifactDetail \(p. 194\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

ListRecordHistory

Lists the specified requests or all performed requests.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "AccessLevelFilter": {
    "Key": "string",
    "Value": "string"
  },
  "PageSize": number,
  "PageToken": "string",
  "SearchFilter": {
    "Key": "string",
    "Value": "string"
  }
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 118)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AccessLevelFilter (p. 118)

The access level to use to obtain results. The default is User.

Type: [AccessLevelFilter \(p. 168\)](#) object

Required: No

PageSize (p. 118)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 118)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*

Required: No

SearchFilter (p. 118)

The search filter to scope the results.

Type: [ListRecordHistorySearchFilter \(p. 173\)](#) object

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "RecordDetails": [
    {
      "CreatedTime": number,
      "PathId": "string",
      "ProductId": "string",
      "ProvisionedProductId": "string",
      "ProvisionedProductName": "string",
      "ProvisionedProductType": "string",
      "ProvisioningArtifactId": "string",
      "RecordErrors": [
        {
          "Code": "string",
          "Description": "string"
        }
      ],
      "RecordId": "string",
      "RecordTags": [
        {
          "Key": "string",
          "Value": "string"
        }
      ],
      "RecordType": "string",
      "Status": "string",
      "UpdateTime": 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.

NextPageToken (p. 119)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: `[ \u0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*`

RecordDetails (p. 119)

The records, in reverse chronological order.

Type: Array of [RecordDetail](#) (p. 201) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

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](#)

ListResourcesForTagOption

Lists the resources associated with the specified TagOption.

Request Syntax

```
{  
  "PageSize": number,  
  "PageToken": "string",  
  "ResourceType": "string",  
  "TagOptionId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

PageSize (p. 121)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 121)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

Required: No

ResourceType (p. 121)

The resource type.

- Portfolio
- Product

Type: String

Required: No

TagOptionId (p. 121)

The TagOption identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
```

```
"PageToken": "string",
"ResourceDetails": [
  {
    "ARN": "string",
    "CreatedTime": number,
    "Description": "string",
    "Id": "string",
    "Name": "string"
  }
]
```

Response Elements

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

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

PageToken (p. 121)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*

ResourceDetails (p. 121)

Information about the resources.

Type: Array of [ResourceDetail](#) (p. 210) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

ListTagOptions

Lists the specified TagOptions or all TagOptions.

Request Syntax

```
{
  "Filters": {
    "Active": boolean,
    "Key": "string",
    "Value": "string"
  },
  "PageSize": number,
  "PageToken": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

Filters (p. 124)

The search filters. If no search filters are specified, the output includes all TagOptions.

Type: [ListTagOptionsFilters](#) (p. 174) object

Required: No

PageSize (p. 124)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 124)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u0000-\u00ff]*

Required: No

Response Syntax

```
{
  "PageToken": "string",
  "TagOptionDetails": [
    {
      "Active": boolean,
      "Id": "string",
      "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.

PageToken (p. 124)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

TagOptionDetails (p. 124)

Information about the TagOptions.

Type: Array of [TagOptionDetail \(p. 213\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

ProvisionProduct

Provisions the specified product.

A provisioned product is a resourced instance of a product. For example, provisioning a product based on a CloudFormation template launches a CloudFormation stack and its underlying resources. You can check the status of this request using [DescribeRecord](#) (p. 81).

If the request contains a tag key with an empty list of values, there is a tag conflict for that key. Do not include conflicted keys as tags, or this causes the error "Parameter validation failed: Missing required parameter in Tags[N]:Value".

Request Syntax

```
{
  "AcceptLanguage": "string",
  "NotificationArns": [ "string" ],
  "PathId": "string",
  "ProductId": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningParameters": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "ProvisionToken": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 126)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

NotificationArns (p. 126)

Passed to CloudFormation. The SNS topic ARNs to which to publish stack-related events.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

PathId (p. 126)

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use [ListLaunchPaths \(p. 100\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProductId (p. 126)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisionedProductName (p. 126)

A user-friendly name for the provisioned product. This value must be unique for the AWS account and cannot be updated after the product is provisioned.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]*`

Required: Yes

ProvisioningArtifactId (p. 126)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisioningParameters (p. 126)

Parameters specified by the administrator that are required for provisioning the product.

Type: Array of [ProvisioningParameter \(p. 200\)](#) objects

Required: No

ProvisionToken (p. 126)

An idempotency token that uniquely identifies the provisioning request.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: Yes

Tags (p. 126)

One or more tags.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

Response Syntax

```
{
  "RecordDetail": {
    "CreatedTime": number,
    "PathId": "string",
    "ProductId": "string",
    "ProvisionedProductId": "string",
    "ProvisionedProductName": "string",
    "ProvisionedProductType": "string",
    "ProvisioningArtifactId": "string",
    "RecordErrors": [
      {
        "Code": "string",
        "Description": "string"
      }
    ],
    "RecordId": "string",
    "RecordTags": [
      {
        "Key": "string",
        "Value": "string"
      }
    ],
    "RecordType": "string",
    "Status": "string",
    "UpdateTime": 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.

RecordDetail (p. 128)

Information about the result of provisioning the product.

Type: [RecordDetail \(p. 201\)](#) object

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

RejectPortfolioShare

Rejects an offer to share the specified portfolio.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "PortfolioId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 130)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PortfolioId (p. 130)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Elements

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

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

ScanProvisionedProducts

Lists the provisioned products that are available (not terminated).

To use additional filtering, see [SearchProvisionedProducts](#) (p. 143).

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "AccessLevelFilter": {  
    "Key": "string",  
    "Value": "string"  
  },  
  "PageSize": number,  
  "PageToken": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 132)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AccessLevelFilter (p. 132)

The access level to use to obtain results. The default is User.

Type: [AccessLevelFilter](#) (p. 168) object

Required: No

PageSize (p. 132)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 132)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007f\u0080-\u00ff]*`

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "ProvisionedProducts": [
    {
      "Arn": "string",
      "CreatedTime": number,
      "Id": "string",
      "IdempotencyToken": "string",
      "LastRecordId": "string",
      "Name": "string",
      "Status": "string",
      "StatusMessage": "string",
      "Type": "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.

NextPageToken (p. 133)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*

ProvisionedProducts (p. 133)

Information about the provisioned products.

Type: Array of [ProvisionedProductDetail \(p. 186\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

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](#)

SearchProducts

Gets information about the products to which the caller has access.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Filters": {  
    "string" : [ "string" ]  
  },  
  "PageSize": number,  
  "PageToken": "string",  
  "SortBy": "string",  
  "SortOrder": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 135)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Filters (p. 135)

The search filters. If no search filters are specified, the output includes all products to which the caller has access.

Type: String to array of strings map

Valid Keys: FullTextSearch | Owner | ProductType | SourceProductId

Required: No

PageSize (p. 135)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 135)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007f\u00e0-\u00ff]*

Required: No

SortBy (p. 135)

The sort field. If no value is specified, the results are not sorted.

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

SortOrder (p. 135)

The sort order. If no value is specified, the results are not sorted.

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "ProductViewAggregations": {
    "string" : [
      {
        "ApproximateCount": number,
        "Value": "string"
      }
    ]
  },
  "ProductViewSummaries": [
    {
      "Distributor": "string",
      "HasDefaultPath": boolean,
      "Id": "string",
      "Name": "string",
      "Owner": "string",
      "ProductId": "string",
      "ShortDescription": "string",
      "SupportDescription": "string",
      "SupportEmail": "string",
      "SupportUrl": "string",
      "Type": "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.

NextPageToken (p. 136)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u0000-\u00ff]*

ProductViewAggregations (p. 136)

The product view aggregations.

Type: String to array of [ProductViewAggregationValue \(p. 179\)](#) objects map
ProductViewSummaries (p. 136)

Information about the product views.

Type: Array of [ProductViewSummary \(p. 181\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

Example

Search for all available products

The following JSON example retrieves all products available to the current user.

Sample Request

```
POST
/
content-type:application/x-amz-json-1.1
host:servicecatalog.us-west-2.amazonaws.com
user-agent:aws-cli/1.10.19 Python/2.7.10 Darwin/15.5.0 botocore/1.4.10
x-amz-date:20160607T224008Z
x-amz-target:AWS242ServiceCatalogService.SearchProducts
```

Sample Response

```
{
  "ProductViewAggregations":
  {
    "Owner":
    [
      {
        "ApproximateCount":4,
        "Value":"387896429941"
      }
    ],
    "ProductType":
    [
      {
        "ApproximateCount":4,
        "Value":"ServiceCatalog"
      }
    ]
  },
}
```

```
    "Vendor":
    [
      {
        "ApproximateCount":1,
        "Value":""
      },
      {
        "ApproximateCount":1,
        "Value":"me"
      }
    ]
  },
  "ProductViewSummaries":
  [
    {
      "HasDefaultPath":false,
      "Id":"prodview-w35uhtf6nrqy",
      "Name":"RDS template",
      "Owner":"AWS",
      "ProductId":"prod-3tser1lc2g7pw",
      "ShortDescription":"Test 2",
      "Type":"Base"
    },
    {
      "HasDefaultPath":false,
      "Id":"prodview-r2tzjgsao7mc4",
      "Name":"Devo enviro 2",
      "Owner":"asda",
      "ProductId":"prod-enx2jvf33gi52",
      "ShortDescription":"asd",
      "Type":"Base"
    },
    {
      "Distributor":"","",
      "HasDefaultPath":false,
      "Id":"prodview-e64tf73gp3gl4",
      "Name":"Devo environment",
      "Owner":"test",
      "ProductId":"prod-3p2k2ejvcsvi",
      "ShortDescription":"test",
      "Type":"Base"
    },
    {
      "Distributor":"Me",
      "HasDefaultPath":false,
      "Id":"prodview-3fmrw464floam",
      "Name":"Testtemplate",
      "Owner":"MSP XYZ",
      "ProductId":"prod-eqeqzgemstiea",
      "ShortDescription":"asdas",
      "Type":"Base"
    }
  ]
}
```

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](#)

SearchProductsAsAdmin

Gets information about the products for the specified portfolio or all products.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Filters": {  
    "string" : [ "string" ]  
  },  
  "PageSize": number,  
  "PageToken": "string",  
  "PortfolioId": "string",  
  "ProductSource": "string",  
  "SortBy": "string",  
  "SortOrder": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 140)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Filters (p. 140)

The search filters. If no search filters are specified, the output includes all products to which the administrator has access.

Type: String to array of strings map

Valid Keys: FullTextSearch | Owner | ProductType | SourceProductId

Required: No

PageSize (p. 140)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.

Required: No

PageToken (p. 140)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*

Required: No

PortfolioId (p. 140)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProductSource (p. 140)

Access level of the source of the product.

Type: String

Valid Values: ACCOUNT

Required: No

SortBy (p. 140)

The sort field. If no value is specified, the results are not sorted.

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

SortOrder (p. 140)

The sort order. If no value is specified, the results are not sorted.

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "ProductViewDetails": [
    {
      "CreatedTime": number,
      "ProductARN": "string",
      "ProductViewSummary": {
        "Distributor": "string",
        "HasDefaultPath": boolean,
        "Id": "string",
        "Name": "string",
        "Owner": "string",
        "ProductId": "string",
        "ShortDescription": "string",
        "SupportDescription": "string",
        "SupportEmail": "string",
        "SupportUrl": "string",
        "Type": "string"
      }
    }
  ]
}
```

```
        },  
        "Status": "string"  
      }  
    ]  
  }  
}
```

Response Elements

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

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

NextPageToken (p. 141)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [\u0009\u000a\u000d\u0020-\u007F\u00E0-\u00FFD] *

ProductViewDetails (p. 141)

Information about the product views.

Type: Array of [ProductViewDetail](#) (p. 180) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

SearchProvisionedProducts

Gets information about the provisioned products that meet the specified criteria.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "AccessLevelFilter": {
    "Key": "string",
    "Value": "string"
  },
  "Filters": {
    "string" : [ "string" ]
  },
  "PageSize": number,
  "PageToken": "string",
  "SortBy": "string",
  "SortOrder": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 143)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AccessLevelFilter (p. 143)

The access level to use to obtain results. The default is User.

Type: [AccessLevelFilter \(p. 168\)](#) object

Required: No

Filters (p. 143)

The search filters.

When the key is SearchQuery, the searchable fields are arn, createTime, id, lastRecordId, idempotencyToken, name, physicalId, productId, provisioningArtifact, type, status, tags, userArn, and userArnSession.

Example: "SearchQuery": ["status:AVAILABLE"]

Type: String to array of strings map

Valid Keys: SearchQuery

Required: No

PageSize (p. 143)

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

PageToken (p. 143)

The page token for the next set of results. To retrieve the first set of results, use null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u0000-\u00ff]*

Required: No

SortBy (p. 143)

The sort field. If no value is specified, the results are not sorted. The valid values are `arn`, `id`, `name`, and `lastRecordId`.

Type: String

Required: No

SortOrder (p. 143)

The sort order. If no value is specified, the results are not sorted.

Type: String

Valid Values: `ASCENDING` | `DESCENDING`

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "ProvisionedProducts": [
    {
      "Arn": "string",
      "CreatedTime": number,
      "Id": "string",
      "IdempotencyToken": "string",
      "LastRecordId": "string",
      "Name": "string",
      "PhysicalId": "string",
      "ProductId": "string",
      "ProvisioningArtifactId": "string",
      "Status": "string",
      "StatusMessage": "string",
      "Tags": [
        {
          "Key": "string",
          "Value": "string"
        }
      ],
      "Type": "string",
    }
  ]
}
```

```
        "UserArn": "string",  
        "UserArnSession": "string"  
    },  
    ],  
    "TotalResultsCount": 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.

NextPageToken (p. 144)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u00e0-\ufffd]*

ProvisionedProducts (p. 144)

Information about the provisioned products.

Type: Array of [ProvisionedProductAttribute \(p. 183\)](#) objects

TotalResultsCount (p. 144)

The number of provisioned products found.

Type: Integer

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

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](#)

TerminateProvisionedProduct

Terminates the specified provisioned product.

This operation does not delete any records associated with the provisioned product.

You can check the status of this request using [DescribeRecord \(p. 81\)](#).

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "IgnoreErrors": boolean,  
  "ProvisionedProductId": "string",  
  "ProvisionedProductName": "string",  
  "TerminateToken": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 146)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

IgnoreErrors (p. 146)

If set to true, AWS Service Catalog stops managing the specified provisioned product even if it cannot delete the underlying resources.

Type: Boolean

Required: No

ProvisionedProductId (p. 146)

The identifier of the provisioned product. You cannot specify both `ProvisionedProductName` and `ProvisionedProductId`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionedProductName (p. 146)

The name of the provisioned product. You cannot specify both `ProvisionedProductName` and `ProvisionedProductId`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]{0,127}|arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

TerminateToken (p. 146)

An idempotency token that uniquely identifies the termination request. This token is only valid during the termination process. After the provisioned product is terminated, subsequent requests to terminate the same provisioned product always return **ResourceNotFound**.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: Yes

Response Syntax

```
{
  "RecordDetail": {
    "CreatedTime": number,
    "PathId": "string",
    "ProductId": "string",
    "ProvisionedProductId": "string",
    "ProvisionedProductName": "string",
    "ProvisionedProductType": "string",
    "ProvisioningArtifactId": "string",
    "RecordErrors": [
      {
        "Code": "string",
        "Description": "string"
      }
    ],
    "RecordId": "string",
    "RecordTags": [
      {
        "Key": "string",
        "Value": "string"
      }
    ],
    "RecordType": "string",
    "Status": "string",
    "UpdatedTime": 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.

RecordDetail (p. 147)

Information about the result of this request.

Type: [RecordDetail](#) (p. 201) object

Errors

ResourceNotFoundException

The specified resource was not found.

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](#)

UpdateConstraint

Updates the specified constraint.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Description": "string",  
  "Id": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 149)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Description (p. 149)

The updated description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

Id (p. 149)

The identifier of the constraint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{  
  "ConstraintDetail": {  
    "ConstraintId": "string",  
    "Description": "string",  
    "Owner": "string",  
    "Type": "string"  
  },  
  "ConstraintParameters": "string",  
  "Status": "string"  
}
```

```
}
```

Response Elements

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

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

ConstraintDetail (p. 149)

Information about the constraint.

Type: [ConstraintDetail](#) (p. 170) object

ConstraintParameters (p. 149)

The constraint parameters.

Type: String

Status (p. 149)

The status of the current request.

Type: String

Valid Values: `AVAILABLE` | `CREATING` | `FAILED`

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

UpdatePortfolio

Updates the specified portfolio.

You cannot update a product that was shared with you.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "AddTags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "Description": "string",
  "DisplayName": "string",
  "Id": "string",
  "ProviderName": "string",
  "RemoveTags": [ "string" ]
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 151)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AddTags (p. 151)

The tags to add.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 20 items.

Required: No

Description (p. 151)

The updated description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

DisplayName (p. 151)

The name to use for display purposes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Id (p. 151)

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProviderName (p. 151)

The updated name of the portfolio provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Required: No

RemoveTags (p. 151)

The tags to remove.

Type: Array of strings

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

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

Required: No

Response Syntax

```
{
  "PortfolioDetail": {
    "ARN": "string",
    "CreatedTime": number,
    "Description": "string",
    "DisplayName": "string",
    "Id": "string",
    "ProviderName": "string"
  },
  "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.

PortfolioDetail (p. 152)

Information about the portfolio.

Type: [PortfolioDetail \(p. 176\)](#) object

Tags (p. 152)

Information about the tags associated with the portfolio.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

LimitExceededException

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

UpdateProduct

Updates the specified product.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "AddTags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "Description": "string",
  "Distributor": "string",
  "Id": "string",
  "Name": "string",
  "Owner": "string",
  "RemoveTags": [ "string" ],
  "SupportDescription": "string",
  "SupportEmail": "string",
  "SupportUrl": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 154)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

AddTags (p. 154)

The tags to add to the product.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 20 items.

Required: No

Description (p. 154)

The updated description of the product.

Type: String

Required: No

Distributor (p. 154)

The updated distributor of the product.

Type: String

Required: No

Id (p. 154)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Name (p. 154)

The updated product name.

Type: String

Required: No

Owner (p. 154)

The updated owner of the product.

Type: String

Required: No

RemoveTags (p. 154)

The tags to remove from the product.

Type: Array of strings

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

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

Required: No

SupportDescription (p. 154)

The updated support description for the product.

Type: String

Required: No

SupportEmail (p. 154)

The updated support email for the product.

Type: String

Required: No

SupportUrl (p. 154)

The updated support URL for the product.

Type: String

Required: No

Response Syntax

```
{
  "ProductViewDetail": {
    "CreatedTime": number,
    "ProductARN": "string",
    "ProductViewSummary": {
      "Distributor": "string",
      "HasDefaultPath": boolean,
      "Id": "string",
      "Name": "string",
      "Owner": "string",
      "ProductId": "string",
      "ShortDescription": "string",
      "SupportDescription": "string",
      "SupportEmail": "string",
      "SupportUrl": "string",
      "Type": "string"
    },
    "Status": "string"
  },
  "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.

ProductViewDetail (p. 156)

Information about the product view.

Type: [ProductViewDetail \(p. 180\)](#) object

Tags (p. 156)

Information about the tags associated with the product.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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](#)

UpdateProvisionedProduct

Requests updates to the configuration of the specified provisioned product.

If there are tags associated with the object, they cannot be updated or added. Depending on the specific updates requested, this operation can update with no interruption, with some interruption, or replace the provisioned product entirely.

You can check the status of this request using [DescribeRecord \(p. 81\)](#).

Request Syntax

```
{
  "AcceptLanguage": "string",
  "PathId": "string",
  "ProductId": "string",
  "ProvisionedProductId": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningParameters": [
    {
      "Key": "string",
      "UsePreviousValue": boolean,
      "Value": "string"
    }
  ],
  "UpdateToken": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 158)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

PathId (p. 158)

The new path identifier. This value is optional if the product has a default path, and required if the product has more than one path.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProductId (p. 158)

The identifier of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionedProductId (p. 158)

The identifier of the provisioned product. You cannot specify both `ProvisionedProductName` and `ProvisionedProductId`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionedProductName (p. 158)

The updated name of the provisioned product. You cannot specify both `ProvisionedProductName` and `ProvisionedProductId`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]{0,127}|arn:[a-z0-9-\.]{{1,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[^/].{0,1023}`

Required: No

ProvisioningArtifactId (p. 158)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisioningParameters (p. 158)

The new parameters.

Type: Array of [UpdateProvisioningParameter \(p. 215\)](#) objects

Required: No

UpdateToken (p. 158)

The idempotency token that uniquely identifies the provisioning update request.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: Yes

Response Syntax

```
{
  "RecordDetail": {
    "CreatedTime": number,
```

```
"PathId": "string",
"ProductId": "string",
"ProvisionedProductId": "string",
"ProvisionedProductName": "string",
"ProvisionedProductType": "string",
"ProvisioningArtifactId": "string",
"RecordErrors": [
  {
    "Code": "string",
    "Description": "string"
  }
],
"RecordId": "string",
"RecordTags": [
  {
    "Key": "string",
    "Value": "string"
  }
],
"RecordType": "string",
"Status": "string",
"UpdateTime": 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.

RecordDetail (p. 159)

Information about the result of the request.

Type: [RecordDetail \(p. 201\)](#) object

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

UpdateProvisioningArtifact

Updates the specified provisioning artifact (also known as a version) for the specified product.

You cannot update a provisioning artifact for a product that was shared with you.

Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "Active": boolean,  
  "Description": "string",  
  "Name": "string",  
  "ProductId": "string",  
  "ProvisioningArtifactId": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 162)

The language code.

- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Required: No

Active (p. 162)

Indicates whether the product version is active.

Type: Boolean

Required: No

Description (p. 162)

The updated description of the provisioning artifact.

Type: String

Required: No

Name (p. 162)

The updated name of the provisioning artifact.

Type: String

Required: No

ProductId (p. 162)

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

ProvisioningArtifactId (p. 162)

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
{
  "Info": {
    "string" : "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Id": "string",
    "Name": "string",
    "Type": "string"
  },
  "Status": "string"
}
```

Response Elements

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

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

Info (p. 163)

The URL of the CloudFormation template in Amazon S3.

Type: String to string map

ProvisioningArtifactDetail (p. 163)

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail \(p. 194\)](#) object

Status (p. 163)

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

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](#)

UpdateTagOption

Updates the specified TagOption.

Request Syntax

```
{  
  "Active": boolean,  
  "Id": "string",  
  "Value": "string"  
}
```

Request Parameters

The request accepts the following data in JSON format.

Active (p. 165)

The updated active state.

Type: Boolean

Required: No

Id (p. 165)

The TagOption identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Value (p. 165)

The updated value.

Type: String

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

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

Required: No

Response Syntax

```
{  
  "TagOptionDetail": {  
    "Active": boolean,  
    "Id": "string",  
    "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.

TagOptionDetail (p. 165)

Information about the TagOption.

Type: [TagOptionDetail \(p. 213\)](#) object

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

One or more parameters provided to the operation are not valid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.

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 following data types are supported:

- [AccessLevelFilter \(p. 168\)](#)

- [CloudWatchDashboard](#) (p. 169)
- [ConstraintDetail](#) (p. 170)
- [ConstraintSummary](#) (p. 171)
- [LaunchPathSummary](#) (p. 172)
- [ListRecordHistorySearchFilter](#) (p. 173)
- [ListTagOptionsFilters](#) (p. 174)
- [ParameterConstraints](#) (p. 175)
- [PortfolioDetail](#) (p. 176)
- [Principal](#) (p. 178)
- [ProductViewAggregationValue](#) (p. 179)
- [ProductViewDetail](#) (p. 180)
- [ProductViewSummary](#) (p. 181)
- [ProvisionedProductAttribute](#) (p. 183)
- [ProvisionedProductDetail](#) (p. 186)
- [ProvisionedProductPlanDetails](#) (p. 188)
- [ProvisionedProductPlanSummary](#) (p. 191)
- [ProvisioningArtifact](#) (p. 193)
- [ProvisioningArtifactDetail](#) (p. 194)
- [ProvisioningArtifactParameter](#) (p. 196)
- [ProvisioningArtifactProperties](#) (p. 198)
- [ProvisioningArtifactSummary](#) (p. 199)
- [ProvisioningParameter](#) (p. 200)
- [RecordDetail](#) (p. 201)
- [RecordError](#) (p. 204)
- [RecordOutput](#) (p. 205)
- [RecordTag](#) (p. 206)
- [ResourceChange](#) (p. 207)
- [ResourceChangeDetail](#) (p. 209)
- [ResourceDetail](#) (p. 210)
- [ResourceTargetDefinition](#) (p. 211)
- [Tag](#) (p. 212)
- [TagOptionDetail](#) (p. 213)
- [TagOptionSummary](#) (p. 214)
- [UpdateProvisioningParameter](#) (p. 215)
- [UsageInstruction](#) (p. 216)

AccessLevelFilter

The access level to use to filter results.

Contents

Key

The access level.

- `Account` - Filter results based on the account.
- `Role` - Filter results based on the federated role of the specified user.
- `User` - Filter results based on the specified user.

Type: String

Valid Values: `Account` | `Role` | `User`

Required: No

Value

The user to which the access level applies. The only supported value is `Self`.

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](#)

CloudWatchDashboard

Information about a CloudWatch dashboard.

Contents

Name

The name of the CloudWatch dashboard.

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](#)

ConstraintDetail

Information about a constraint.

Contents

ConstraintId

The identifier of the constraint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Description

The description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

Owner

The owner of the constraint.

Type: String

Pattern: `^[0-9]{12}$`

Required: No

Type

The type of constraint.

- LAUNCH
- NOTIFICATION
- TEMPLATE

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

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](#)

ConstraintSummary

Summary information about a constraint.

Contents

Description

The description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

Type

The type of constraint.

- LAUNCH
- NOTIFICATION
- TEMPLATE

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

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](#)

LaunchPathSummary

Summary information about a product path for a user.

Contents

ConstraintSummaries

The constraints on the portfolio-product relationship.

Type: Array of [ConstraintSummary \(p. 171\)](#) objects

Required: No

Id

The identifier of the product path.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Name

The name of the portfolio to which the user was assigned.

Type: String

Required: No

Tags

The tags associated with this product path.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

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](#)

ListRecordHistorySearchFilter

The search filter to use when listing history records.

Contents

Key

The filter key.

- `product` - Filter results based on the specified product identifier.
- `provisionedproduct` - Filter results based on the provisioned product identifier.

Type: String

Required: No

Value

The filter value.

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](#)

ListTagOptionsFilters

Filters to use when listing TagOptions.

Contents

Active

The active state.

Type: Boolean

Required: No

Key

The TagOption key.

Type: String

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

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

Required: No

Value

The TagOption value.

Type: String

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

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

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](#)

ParameterConstraints

The constraints that the administrator has put on the parameter.

Contents

AllowedValues

The values that the administrator has allowed for the parameter.

Type: Array of strings

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](#)

PortfolioDetail

Information about a portfolio.

Contents

ARN

The ARN assigned to the portfolio.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 150.

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Description

The description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

DisplayName

The name to use for display purposes.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Id

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProviderName

The name of the portfolio provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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

Principal

Information about a principal.

Contents

PrincipalARN

The ARN of the principal (IAM user, role, or group).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

PrincipalType

The principal type. The supported value is `IAM`.

Type: String

Valid Values: `IAM`

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](#)

ProductViewAggregationValue

A single product view aggregation value/count pair, containing metadata about each product to which the calling user has access.

Contents

ApproximateCount

An approximate count of the products that match the value.

Type: Integer

Required: No

Value

The value of the product view aggregation.

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](#)

ProductViewDetail

Information about a product view.

Contents

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

ProductARN

The ARN of the product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 150.

Required: No

ProductViewSummary

Summary information about the product view.

Type: [ProductViewSummary \(p. 181\)](#) object

Required: No

Status

The status of the product.

- **AVAILABLE** - The product is ready for use.
- **CREATING** - Product creation has started; the product is not ready for use.
- **FAILED** - An action failed.

Type: String

Valid Values: **AVAILABLE** | **CREATING** | **FAILED**

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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

ProductViewSummary

Summary information about a product view.

Contents

Distributor

The distributor of the product. Contact the product administrator for the significance of this value.

Type: String

Required: No

HasDefaultPath

Indicates whether the product has a default path. If the product does not have a default path, call [ListLaunchPaths \(p. 100\)](#) to disambiguate between paths. Otherwise, [ListLaunchPaths \(p. 100\)](#) is not required, and the output of [ProductViewSummary \(p. 181\)](#) can be used directly with [DescribeProvisioningParameters \(p. 78\)](#).

Type: Boolean

Required: No

Id

The product view identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Name

The name of the product.

Type: String

Required: No

Owner

The owner of the product. Contact the product administrator for the significance of this value.

Type: String

Required: No

ProductId

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ShortDescription

Short description of the product.

Type: String

Required: No

SupportDescription

The description of the support for this Product.

Type: String

Required: No

SupportEmail

The email contact information to obtain support for this Product.

Type: String

Required: No

SupportUrl

The URL information to obtain support for this Product.

Type: String

Required: No

Type

The product type. Contact the product administrator for the significance of this value. If this value is `MARKETPLACE`, the product was created by AWS Marketplace.

Type: String

Valid Values: `CLOUD_FORMATION_TEMPLATE` | `MARKETPLACE`

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](#)

ProvisionedProductAttribute

Information about a provisioned product.

Contents

Arn

The ARN of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]{0,127}|arn:[a-z0-9-\.]{{1,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[^/].{0,1023}`

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Id

The identifier of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

IdempotencyToken

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: No

LastRecordId

The record identifier of the last request performed on this provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Name

The user-friendly name of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]{0,127}|arn:[a-z0-9-\.]{{1,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[^/].{0,1023}`

Required: No

PhysicalId

The assigned identifier for the resource, such as an EC2 instance ID or an S3 bucket name.

Type: String

Required: No

ProductId

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Status

The current status of the provisioned product.

- **AVAILABLE** - Stable state, ready to perform any operation. The most recent operation succeeded and completed.
- **UNDER_CHANGE** - Transitive state, operations performed might not have valid results. Wait for an **AVAILABLE** status before performing operations.
- **TAINTED** - Stable state, ready to perform any operation. The stack has completed the requested operation but is not exactly what was requested. For example, a request to update to a new version failed and the stack rolled back to the current version.
- **ERROR** - An unexpected error occurred, the provisioned product exists but the stack is not running. For example, CloudFormation received a parameter value that was not valid and could not launch the stack.

Type: String

Valid Values: **AVAILABLE** | **UNDER_CHANGE** | **TAINTED** | **ERROR** | **PLAN_IN_PROGRESS**

Required: No

StatusMessage

The current status message of the provisioned product.

Type: String

Required: No

Tags

One or more tags.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

Type

The type of provisioned product. The supported value is `CFN_STACK`.

Type: String

Required: No

UserArn

The Amazon Resource Name (ARN) of the IAM user.

Type: String

Required: No

UserArnSession

The ARN of the IAM user in the session. This ARN might contain a session ID.

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](#)

ProvisionedProductDetail

Information about a provisioned product.

Contents

Arn

The ARN of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]{0,127}|arn:[a-z0-9-\.]{{1,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[a-z0-9-\.]{{0,63}}:[^/].{0,1023}`

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Id

The identifier of the provisioned product.

Type: String

Required: No

IdempotencyToken

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.

Type: String

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

Pattern: `[a-zA-Z0-9][a-zA-Z0-9_-]*`

Required: No

LastRecordId

The record identifier of the last request performed on this provisioned product.

Type: String

Required: No

Name

The user-friendly name of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `[a-zA-Z0-9][a-zA-Z0-9._-]{0,127}|arn:[a-z0-9-\.]{1,63}: [a-z0-9-\.]{0,63}: [a-z0-9-\.]{0,63}: [a-z0-9-\.]{0,63}: [^/].{0,1023}`

Required: No

Status

The current status of the provisioned product.

- **AVAILABLE** - Stable state, ready to perform any operation. The most recent operation succeeded and completed.
- **UNDER_CHANGE** - Transitive state, operations performed might not have valid results. Wait for an **AVAILABLE** status before performing operations.
- **TAINTED** - Stable state, ready to perform any operation. The stack has completed the requested operation but is not exactly what was requested. For example, a request to update to a new version failed and the stack rolled back to the current version.
- **ERROR** - An unexpected error occurred, the provisioned product exists but the stack is not running. For example, CloudFormation received a parameter value that was not valid and could not launch the stack.

Type: String

Valid Values: **AVAILABLE** | **UNDER_CHANGE** | **TAINTED** | **ERROR** | **PLAN_IN_PROGRESS**

Required: No

StatusMessage

The current status message of the provisioned product.

Type: String

Required: No

Type

The type of provisioned product. The supported value is **CFN_STACK**.

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](#)

ProvisionedProductPlanDetails

Information about a plan.

Contents

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

NotificationArns

Passed to CloudFormation. The SNS topic ARNs to which to publish stack-related events.

Type: Array of strings

Array Members: Maximum number of 5 items.

Length Constraints: Minimum length of 1. Maximum length of 1224.

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/]{0,1023}`

Required: No

PathId

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use [ListLaunchPaths](#) (p. 100).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

PlanId

The plan identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

PlanName

The name of the plan.

Type: String

Required: No

PlanType

The plan type.

Type: String

Valid Values: CLOUDFORMATION

Required: No

ProductId

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisioningParameters

Parameters specified by the administrator that are required for provisioning the product.

Type: Array of [UpdateProvisioningParameter \(p. 215\)](#) objects

Required: No

ProvisionProductId

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionProductName

The user-friendly name of the provisioned product.

Type: String

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

Pattern: [a-zA-Z0-9][a-zA-Z0-9._-]*

Required: No

Status

The status.

Type: String

Valid Values: CREATE_IN_PROGRESS | CREATE_SUCCESS | CREATE_FAILED |
EXECUTE_IN_PROGRESS | EXECUTE_SUCCESS | EXECUTE_FAILED

Required: No

StatusMessage

The status message.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007f\u0000-\u00ff]*

Required: No

Tags

One or more tags.

Type: Array of [Tag \(p. 212\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

UpdatedTime

The time when the plan was last updated.

Type: Timestamp

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](#)

ProvisionedProductPlanSummary

Summary information about a plan.

Contents

PlanId

The plan identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

PlanName

The name of the plan.

Type: String

Required: No

PlanType

The plan type.

Type: String

Valid Values: CLOUDFORMATION

Required: No

ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionProductId

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionProductName

The user-friendly name of the provisioned product.

Type: String

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

Pattern: [a-zA-Z0-9][a-zA-Z0-9._-]*

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](#)

ProvisioningArtifact

Information about a provisioning artifact. A provisioning artifact is also known as a product version.

Contents

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Description

The description of the provisioning artifact.

Type: String

Required: No

Id

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Name

The name of the provisioning artifact.

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](#)

ProvisioningArtifactDetail

Information about a provisioning artifact (also known as a version) for a product.

Contents

Active

Indicates whether the product version is active.

Type: Boolean

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Description

The description of the provisioning artifact.

Type: String

Required: No

Id

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Name

The name of the provisioning artifact.

Type: String

Required: No

Type

The type of provisioning artifact.

- `CLOUD_FORMATION_TEMPLATE` - AWS CloudFormation template
- `MARKETPLACE_AMI` - AWS Marketplace AMI
- `MARKETPLACE_CAR` - AWS Marketplace Clusters and AWS Resources

Type: String

Valid Values: `CLOUD_FORMATION_TEMPLATE` | `MARKETPLACE_AMI` | `MARKETPLACE_CAR`

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](#)

ProvisioningArtifactParameter

Information about a parameter used to provision a product.

Contents

DefaultValue

The default value.

Type: String

Required: No

Description

The description of the parameter.

Type: String

Required: No

IsNoEcho

If this value is true, the value for this parameter is obfuscated from view when the parameter is retrieved. This parameter is used to hide sensitive information.

Type: Boolean

Required: No

ParameterConstraints

Constraints that the administrator has put on a parameter.

Type: [ParameterConstraints](#) (p. 175) object

Required: No

ParameterKey

The parameter key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

ParameterType

The parameter type.

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](#)

ProvisioningArtifactProperties

Information about a provisioning artifact (also known as a version) for a product.

Contents

Description

The description of the provisioning artifact, including how it differs from the previous provisioning artifact.

Type: String

Required: No

Info

The URL of the CloudFormation template in Amazon S3. Specify the URL in JSON format as follows:

```
"LoadTemplateFromURL": "https://s3.amazonaws.com/cf-templates-ozkq9d3hgiq2-us-east-1/..."
```

Type: String to string map

Required: Yes

Name

The name of the provisioning artifact (for example, v1 v2beta). No spaces are allowed.

Type: String

Required: No

Type

The type of provisioning artifact.

- `CLOUD_FORMATION_TEMPLATE` - AWS CloudFormation template
- `MARKETPLACE_AMI` - AWS Marketplace AMI
- `MARKETPLACE_CAR` - AWS Marketplace Clusters and AWS Resources

Type: String

Valid Values: `CLOUD_FORMATION_TEMPLATE` | `MARKETPLACE_AMI` | `MARKETPLACE_CAR`

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](#)

ProvisioningArtifactSummary

Summary information about a provisioning artifact (also known as a version) for a product.

Contents

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Description

The description of the provisioning artifact.

Type: String

Required: No

Id

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Name

The name of the provisioning artifact.

Type: String

Required: No

ProvisioningArtifactMetadata

The metadata for the provisioning artifact. This is used with AWS Marketplace products.

Type: String to string map

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](#)

ProvisioningParameter

Information about a parameter used to provision a product.

Contents

Key

The parameter key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Value

The parameter value.

Type: String

Length Constraints: Maximum length of 4096.

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](#)

RecordDetail

Information about a request operation.

Contents

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

PathId

The path identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProductId

The product identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionedProductId

The identifier of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ProvisionedProductName

The user-friendly name of the provisioned product.

Type: String

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

Pattern: [a-zA-Z0-9][a-zA-Z0-9._-]*

Required: No

ProvisionedProductType

The type of provisioned product. The supported value is `CFN_STACK`.

Type: String

Required: No

ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

RecordErrors

The errors that occurred.

Type: Array of [RecordError \(p. 204\)](#) objects

Required: No

RecordId

The identifier of the record.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

RecordTags

One or more tags.

Type: Array of [RecordTag \(p. 206\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

RecordType

The record type.

- `PROVISION_PRODUCT`
- `UPDATE_PROVISIONED_PRODUCT`
- `TERMINATE_PROVISIONED_PRODUCT`

Type: String

Required: No

Status

The status of the provisioned product.

- `CREATED` - The request was created but the operation has not started.
- `IN_PROGRESS` - The requested operation is in progress.
- `IN_PROGRESS_IN_ERROR` - The provisioned product is under change but the requested operation failed and some remediation is occurring. For example, a rollback.
- `SUCCEEDED` - The requested operation has successfully completed.
- `FAILED` - The requested operation has unsuccessfully completed. Investigate using the error messages returned.

Type: String

Valid Values: `CREATED` | `IN_PROGRESS` | `IN_PROGRESS_IN_ERROR` | `SUCCEEDED` | `FAILED`

Required: No

UpdatedTime

The time when the record was last updated.

Type: Timestamp

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](#)

RecordError

The error code and description resulting from an operation.

Contents

Code

The numeric value of the error.

Type: String

Required: No

Description

The description of the error.

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](#)

RecordOutput

The output for the product created as the result of a request. For example, the output for a CloudFormation-backed product that creates an S3 bucket would include the S3 bucket URL.

Contents

Description

The description of the output.

Type: String

Required: No

OutputKey

The output key.

Type: String

Required: No

OutputValue

The output value.

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](#)

RecordTag

Information about a tag, which is a key-value pair.

Contents

Key

The key for this tag.

Type: String

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

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

Required: No

Value

The value for this tag.

Type: String

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

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

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](#)

ResourceChange

Information about a resource change that will occur when a plan is executed.

Contents

Action

The change action.

Type: String

Valid Values: `ADD` | `MODIFY` | `REMOVE`

Required: No

Details

Information about the resource changes.

Type: Array of [ResourceChangeDetail](#) (p. 209) objects

Required: No

LogicalResourceId

The ID of the resource, as defined in the CloudFormation template.

Type: String

Required: No

PhysicalResourceId

The ID of the resource, if it was already created.

Type: String

Required: No

Replacement

If the change type is `Modify`, indicates whether the existing resource is deleted and replaced with a new one.

Type: String

Valid Values: `TRUE` | `FALSE` | `CONDITIONAL`

Required: No

ResourceType

The type of resource.

Type: String

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

Required: No

Scope

The change scope.

Type: Array of strings

Valid Values: PROPERTIES | METADATA | CREATIONPOLICY | UPDATEPOLICY |
DELETIONPOLICY | TAGS

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](#)

ResourceChangeDetail

Information about a change to a resource attribute.

Contents

CausingEntity

The ID of the entity that caused the change.

Type: String

Required: No

Evaluation

For static evaluations, the value the resource attribute will change and the new value is known. For dynamic evaluations, the value might change, and any new value will be determined when the plan is updated.

Type: String

Valid Values: `STATIC` | `DYNAMIC`

Required: No

Target

Information about the resource attribute that will be modified.

Type: [ResourceTargetDefinition \(p. 211\)](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

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

ResourceDetail

Information about a resource.

Contents

ARN

The ARN of the resource.

Type: String

Required: No

CreatedTime

The creation time of the resource.

Type: Timestamp

Required: No

Description

The description of the resource.

Type: String

Required: No

Id

The identifier of the resource.

Type: String

Required: No

Name

The name of the resource.

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](#)

ResourceTargetDefinition

Information about a change to a resource attribute.

Contents

Attribute

The attribute that will change.

Type: String

Valid Values: `PROPERTIES` | `METADATA` | `CREATIONPOLICY` | `UPDATEPOLICY` | `DELETIONPOLICY` | `TAGS`

Required: No

Name

If the attribute is `Properties`, the value is the name of the property. Otherwise, the value is null.

Type: String

Required: No

RequiresRecreation

If the attribute is `Properties`, indicates whether a change to this property causes the resource to be recreated.

Type: String

Valid Values: `NEVER` | `CONDITIONALLY` | `ALWAYS`

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](#)

Tag

Information about a tag. A tag is a key-value pair. Tags are propagated to the resources created when provisioning a product.

Contents

Key

The tag key.

Type: String

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

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

Required: Yes

Value

The value for this key.

Type: String

Length Constraints: Minimum length of 1. 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 Go](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

TagOptionDetail

Information about a TagOption.

Contents

Active

The TagOption active state.

Type: Boolean

Required: No

Id

The TagOption identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Key

The TagOption key.

Type: String

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

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

Required: No

Value

The TagOption value.

Type: String

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

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

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](#)

TagOptionSummary

Summary information about a TagOption.

Contents

Key

The TagOption key.

Type: String

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

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

Required: No

Values

The TagOption value.

Type: Array of strings

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

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

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](#)

UpdateProvisioningParameter

The parameter key-value pair used to update a provisioned product.

Contents

Key

The parameter key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

UsePreviousValue

If set to true, `Value` is ignored and the previous parameter value is kept.

Type: Boolean

Required: No

Value

The parameter value.

Type: String

Length Constraints: Maximum length of 4096.

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](#)

UsageInstruction

Additional information provided by the administrator.

Contents

Type

The usage instruction type for the value.

Type: String

Required: No

Value

The usage instruction value for this type.

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](#)

Logging AWS Service Catalog API Calls with AWS CloudTrail

AWS Service Catalog is integrated with CloudTrail, a service that captures all of the AWS Service Catalog API calls and delivers the log files to an Amazon S3 bucket that you specify. CloudTrail captures API calls from the AWS Service Catalog console or from your code to the AWS Service Catalog APIs. Using the information collected by CloudTrail, you can determine the request that was made to AWS Service Catalog, the source IP address from which the request was made, who made the request, when it was made, and so on.

To learn more about CloudTrail, including how to configure and enable it, see the [AWS CloudTrail User Guide](#).

AWS Service Catalog Information in CloudTrail

When CloudTrail logging is enabled in your AWS account, API calls made to AWS Service Catalog actions are tracked in CloudTrail log files, where they are written with other AWS service records. CloudTrail determines when to create and write to a new file based on a time period and file size.

All AWS Service Catalog actions are logged by CloudTrail and are documented in the [AWS Service Catalog API Operations Reference](#). For example, calls to the **SearchProducts**, **ListLaunchPaths**, and **ProvisionProduct** operations generate entries in the CloudTrail log files.

Every log entry contains information about who generated the request. The user identity information in the log entry helps you determine the following:

- Whether the request was made with root or IAM user credentials
- Whether the request was made with temporary security credentials for a role or federated user
- Whether the request was made by another AWS service

For more information, see the [CloudTrail userIdentity Element](#).

You can store your log files in your Amazon S3 bucket for as long as you want, but you can also define Amazon S3 lifecycle rules to archive or delete log files automatically. By default, your log files are encrypted with Amazon S3 server-side encryption (SSE).

If you want to be notified upon log file delivery, you can configure CloudTrail to publish Amazon SNS notifications when new log files are delivered. For more information, see [Configuring Amazon SNS Notifications for CloudTrail](#).

You can also aggregate AWS Service Catalog log files from multiple AWS regions and multiple AWS accounts into a single Amazon S3 bucket.

For more information, see [Receiving CloudTrail Log Files from Multiple Regions](#) and [Receiving CloudTrail Log Files from Multiple Accounts](#).