
AWS Service Catalog

Developer Guide



AWS Service Catalog: Developer Guide

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What Is AWS Service Catalog?

[AWS Service Catalog](#) allows organizations to create and manage catalogs of IT services that are approved for use on AWS. This documentation provides reference material for the AWS Service Catalog API, which is also available as part of the AWS Command Line Interface (AWS CLI).

If you are new to AWS Service Catalog, please refer to the following guides:

- [AWS Service Catalog Administrator Guide](#)
- [AWS Service Catalog User Guide](#)

To download and use the AWS Service Catalog API and CLI, go to [Tools for Amazon Web Services](#) and locate the language of your choice in the **SDKs** section, or the CLI of your choice in the **Command Line Tools** section.

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 are able to do the following tasks:

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

AWS Service Catalog API Overview

The following sections provide an overview of the AWS Service Catalog service API components and how they interact. For more information about how each operation works, see the individual API operations. Some operations require specific access permissions. For more information, see [Controlling Access Using Service-level Permissions](#).

Topics

- [API List By Category \(p. 2\)](#)
- [Example Workflow \(p. 7\)](#)

AWS Service Catalog API List By Category

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

Operations by category

- [Product Discovery \(p. 2\)](#)
- [Provisioning Requests \(p. 3\)](#)
- [View Provisioned Products Information \(p. 4\)](#)
- [Manage Portfolios \(p. 5\)](#)
- [Principal Association \(p. 5\)](#)
- [Manage Products \(p. 6\)](#)
- [Manage Provisioning Artifacts \(p. 6\)](#)
- [Manage Constraints \(p. 6\)](#)

Product Discovery

These operations are used mostly to discover or inquire about products and what is needed to launch them. They do not create or modify any product resources.

SearchProducts (p. 79)

Lists all products the user has access to.

The input is a series of optional search filters to specify only products that match certain search terms, and optional sort specification.

The output is a paginated list of `ProductViewSummaries`. A `ProductViewSummary` contains metadata about each product the calling user has access to. If no search filters are specified in

the input, the output will be all products to which the calling user has access. The output also contains the `SearchDomain`, which is an object containing the ways that you could further refine the returned list of products using search. For example, a `SearchDomain` could be `{"Owner": {"Steve", 1}, {"Rajiv", 3}}`. This means that if you specified the filter `{"Owner": "Rajiv"}` in a subsequent call to `SearchProducts`, the result would be a list of the three products that have the "Owner" field set to "Rajiv".

DescribeProduct (p. 40)

Provides detailed information about a single product.

The input is the `ProductView`, which is returned for each product in `SearchProducts`.

The output is metadata about the specified product and a list of `ProvisioningArtifacts` for the specified product. The `ProvisioningArtifacts` are all the ways the specified product can be provisioned. For example, with a product backed by an AWS CloudFormation template, each `ProvisioningArtifact` object represents an individual template.

DescribeProductView (p. 44)

Functionally identical to `DescribeProduct`, except that it takes a `ProductViewId` object instead of `ProductView`.

ListLaunchPaths (p. 59)

Lists all of the ways the user has access to a specified product, referred to as *paths* to the product. A user must select one of these paths in order to provision the product. The paths also determine what constraints are put on the product.

The input is the `ProductId`.

The output is a paginated list of path information in the form of `LaunchPathSummary` objects. Each `LaunchPathSummary` object consists of `Id`, `Name` (which corresponds to the name of the user's portfolio), and a list of `ConstraintSummary` objects (which correspond to the list of constraints on that path).

DescribeProvisioningParameters (p. 48)

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

The input is `ProductId`, `ProvisioningArtifactId`, and `PathId`.

The output is a list of `ProvisioningArtifactParameter` objects, a list of `ConstraintSummary` objects, and a list of `UsageInstruction` objects. 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. For example, a constraint could be the allowable values for the EC2 instance, such as `t1.micro` and `m1.small`, along with a description created by the administrator explaining these values. The `ProvisioningArtifactParameter` objects are determined by the product and the constraints placed on it by the administrator. The `UsageInstruction` objects can contain any additional metadata specifically related to the provisioning of the product. For example, the "Version" field of an AWS CloudFormation template.

Provisioning Requests

These operations all perform a request that either creates, modifies, or deletes provisioning for a product.

ProvisionProduct (p. 73)

Requests provisioning for a specified 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 of the underlying resources that come with it.

The input is `ProductId`, `ProvisioningArtifactId`, `PathId`, any `ProvisioningArtifactParameters` that the administrator has determined are required for launch, and a user-friendly name to help identify the provisioned product later. You can optionally specify additional provisioning options such as an Amazon Simple Notification Service (Amazon SNS) topic and tags. This is an idempotent API operation; accordingly, an idempotency token that uniquely identifies the request is required user input.

The output is a `RecordDetail` object, which is the record of a request that contains the original inputs to the request, the current state of the request, a pointer to the provisioned product object that the request is modifying, and a list of any errors that the request may have generated. Use the `DescribeRecord` operation to get updated `RecordDetail` information.

UpdateProvisionedProduct (p. 96)

Updates the configuration of an existing 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`.

The input is either `ProvisionedProductName` or `ProductId` (these are mutually exclusive), the details of what's being updated, and an idempotency token.

The output is a `RecordDetail` object that tracks the update request in the same way `RecordDetail` is used with `ProvisionProduct`. Use the `DescribeRecord` operation to get updated `RecordDetail` information.

TerminateProvisionedProduct (p. 86)

Requests termination of an existing 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.

The input can be either the provisioned product's `Name` or `Id`, an idempotency token, and an optional `IgnoreErrors` Boolean value. If `IgnoreErrors` is set to **true**, AWS Service Catalog deletes all records of this provisioned product even if it can't delete the underlying resources.

The output is a `RecordDetail` object that tracks the terminate request in the same way `RecordDetail` is used with `ProvisionProduct`. Use the `DescribeRecord` operation to get updated `RecordDetail` information.

View Provisioned Products Information

Similar to the Discovery category, these operations do not create or modify resources. Instead, they obtain information about provisioned products.

ListRecordHistory (p. 71)

Lists all of the requests performed, even for terminated provisioned products.

The input is an optional list of search filters and optional access filter (default is the requester's user level).

The output is a paginated list of `RecordDetail` objects, sorted in reverse chronological order (latest first).

DescribeRecord (p. 50)

Retrieves up-to-date details of a specific request. Use this operation after the initial request operation if you want to obtain current `RecordDetail` information.

The input is the `RequestId`.

The output, based on the permission of the requester, is the `RecordDetail` along with a paginated list of `RecordOutput` objects. A `RecordOutput` object is created as a result of a request. For example, a product that is backed by AWS CloudFormation and creates an Amazon S3 bucket would have a `RecordOutput` object containing the Amazon S3 bucket URL.

ScanProvisionedProducts (p. 77)

Obtains a current list of all the provisioned products that are currently not terminated.

The input is an optional access filter (default is the requester's user level).

The output is a paginated list of provisioned products. A provisioned product consists mainly of `Id`, `Name`, `ARN` (for resource-based IAM policies), and a `LastRecordId`, which identifies the most recent request performed on that provisioned product.

Manage Portfolios

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

CreatePortfolio (p. 20)

Creates a new portfolio.

DeletePortfolio (p. 31)

Deletes the specified portfolio. This operation will not work with a portfolio that has been shared with you or if it has products, users, constraints, or shared accounts associated with it.

DescribePortfolio (p. 38)

Retrieves detailed information and any tags associated with the specified portfolio.

ListPortfolios (p. 63)

Lists all portfolios in the catalog.

ListPortfoliosForProduct (p. 65)

Lists all portfolios that the specified product is associated with.

UpdatePortfolio (p. 90)

Updates the specified portfolio's details. This operation will not work with a product that has been shared with you.

CreatePortfolioShare (p. 22)

Creates a new portfolio share.

DeletePortfolioShare (p. 32)

Deletes the specified portfolio share.

AcceptPortfolioShare (p. 12)

Accepts an offer to share a portfolio.

RejectPortfolioShare (p. 76)

Rejects an offer to share a portfolio.

ListAcceptedPortfolioShares (p. 55)

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

ListPortfolioAccess (p. 61)

Lists the account IDs that have been authorized sharing of the specified portfolio.

Principal Association

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

AssociatePrincipalWithPortfolio (p. 13)

Associates the specified principal ARN with the specified portfolio.

DisassociatePrincipalFromPortfolio (p. 53)

Disassociates a previously associated principal ARN from a specified portfolio.

ListPrincipalsForPortfolio (p. 67)

Lists all principal ARNs associated with the specified portfolio.

Manage Products

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

SearchProductsAsAdmin (p. 83)

Retrieves summary and status information about all products created within the caller's account. If a portfolio ID is provided, this operation retrieves information for only those products that are associated with the specified portfolio.

DescribeProductAsAdmin (p. 42)

Retrieves information about a specified product, run with administrator access.

CreateProduct (p. 24)

Creates a new product.

DeleteProduct (p. 33)

Deletes the specified product. This operation will not work with a product that has been shared with you or is associated with a portfolio.

UpdateProduct (p. 93)

Updates an existing product.

AssociateProductWithPortfolio (p. 15)

Associates a product with a portfolio.

DisassociateProductFromPortfolio (p. 54)

Disassociates the specified product from the specified portfolio.

Manage Provisioning Artifacts

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

DescribeProvisioningArtifact (p. 46)

Retrieves detailed information about the specified provisioning artifact.

CreateProvisioningArtifact (p. 28)

Create a new provisioning artifact for the specified product. This operation will not work with a product that has been shared with you.

DeleteProvisioningArtifact (p. 34)

Deletes the specified provisioning artifact. This operation will not work on a provisioning artifact associated with a product that has been shared with you, or on the last provisioning artifact associated with a product (a product must have at least one provisioning artifact).

ListProvisioningArtifacts (p. 69)

Lists all provisioning artifacts associated with the specified product.

UpdateProvisioningArtifact (p. 99)

Updates an existing provisioning artifact's information. This operation will not work on a provisioning artifact associated with a product that has been shared with you.

Manage Constraints

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

CreateConstraint (p. 17)

Creates a new constraint.

DeleteConstraint (p. 30)

Deletes the specified constraint.

[DescribeConstraint \(p. 36\)](#)

Retrieves detailed information for a specified constraint.

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

Updates an existing constraint.

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

Retrieves detailed constraint information for the specified portfolio and product.

AWS Service Catalog API Example Workflow

This is an example workflow; this is not the only way to use the AWS Service Catalog API.

1. Prior to any API use, the AWS Service Catalog administrator creates some **Portfolios**, **ProductViews**, **Products**, **ProvisioningArtifacts**, **Constraints**, and the relationships between them. She then assigns some AWS Identity and Access Management(IAM) users to the products, giving them access. In this example, this is "step zero" because it must be performed before the API can be used.
2. A non-administrator user comes to the AWS Service Catalog API and wants to know what products he has access to.
3. He calls [SearchProducts \(p. 79\)](#) with no arguments. This returns a list of all products he has access to, as well as a "SearchDomain" that allows him to refine that list further.
4. He continues calling [SearchProducts \(p. 79\)](#), this time with additional search filters, until he sees a product he is interested in.
5. He calls [DescribeProductView \(p. 44\)](#) to find the list of provisioning artifacts for this product. This will determine what he actually provisions.
6. He also calls [ListLaunchPaths \(p. 59\)](#) to find out the list of paths for this product, along with the constraints along each path. This will determine what set of constraints is applied on what he provisions.
7. Having chosen a provisioning artifact and a path, he calls [DescribeProvisioningParameters \(p. 48\)](#). This returns the list of parameters he needs to provide before he can provision a product with the given provisioning artifact and path, along with whatever additional usage instructions the administrator has decided to provide.
8. He now calls [ProvisionProduct \(p. 73\)](#), specifying his chosen product, provisioning artifact, path, and input parameters. The input parameters are a list of key-value pairs where the keys are obtained from the [DescribeProvisioningParameters \(p. 48\)](#) operation and the values are user-provided (for example: `{ParameterKey: "dbpassword" , ParameterValue: "mycoolpassword" }`). This starts a workflow to create the specified cloud resources. It also creates a record detail that tracks the `ProvisionProduct` request, and a provisioned product object that represents the set of underlying cloud resources.
9. He then polls [DescribeRecord \(p. 50\)](#) to see when his `RecordDetail.Status` goes from the "IN_PROGRESS" state to a completed state (either "SUCCEEDED" or "ERROR").
10. When the record detail for the request is in a completed state, he calls [DescribeRecord \(p. 50\)](#) once more to find out the outputs, which identify the created cloud resources.
11. He can then call [UpdateProvisionedProduct \(p. 96\)](#) to update the underlying resources in place. Depending on the specific updates requested, this operation may update with no interruption, with some interruption, or replace the provisioned product entirely.
12. Finally, he can call [TerminateProvisionedProduct \(p. 86\)](#) to request termination of the specified provisioned product.

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](#).

API Reference

This section contains the AWS Service Catalog API Reference documentation.

For an overview of the service, see [What Is AWS Service Catalog? \(p. 1\)](#).

Actions

The following actions are supported:

- [AcceptPortfolioShare \(p. 12\)](#)
- [AssociatePrincipalWithPortfolio \(p. 13\)](#)
- [AssociateProductWithPortfolio \(p. 15\)](#)
- [CreateConstraint \(p. 17\)](#)
- [CreatePortfolio \(p. 20\)](#)
- [CreatePortfolioShare \(p. 22\)](#)
- [CreateProduct \(p. 24\)](#)
- [CreateProvisioningArtifact \(p. 28\)](#)
- [DeleteConstraint \(p. 30\)](#)
- [DeletePortfolio \(p. 31\)](#)
- [DeletePortfolioShare \(p. 32\)](#)
- [DeleteProduct \(p. 33\)](#)
- [DeleteProvisioningArtifact \(p. 34\)](#)
- [DescribeConstraint \(p. 36\)](#)
- [DescribePortfolio \(p. 38\)](#)
- [DescribeProduct \(p. 40\)](#)
- [DescribeProductAsAdmin \(p. 42\)](#)
- [DescribeProductView \(p. 44\)](#)
- [DescribeProvisioningArtifact \(p. 46\)](#)
- [DescribeProvisioningParameters \(p. 48\)](#)
- [DescribeRecord \(p. 50\)](#)
- [DisassociatePrincipalFromPortfolio \(p. 53\)](#)
- [DisassociateProductFromPortfolio \(p. 54\)](#)
- [ListAcceptedPortfolioShares \(p. 55\)](#)

- [ListConstraintsForPortfolio](#) (p. 57)
- [ListLaunchPaths](#) (p. 59)
- [ListPortfolioAccess](#) (p. 61)
- [ListPortfolios](#) (p. 63)
- [ListPortfoliosForProduct](#) (p. 65)
- [ListPrincipalsForPortfolio](#) (p. 67)
- [ListProvisioningArtifacts](#) (p. 69)
- [ListRecordHistory](#) (p. 71)
- [ProvisionProduct](#) (p. 73)
- [RejectPortfolioShare](#) (p. 76)
- [ScanProvisionedProducts](#) (p. 77)
- [SearchProducts](#) (p. 79)
- [SearchProductsAsAdmin](#) (p. 83)
- [TerminateProvisionedProduct](#) (p. 86)
- [UpdateConstraint](#) (p. 88)
- [UpdatePortfolio](#) (p. 90)
- [UpdateProduct](#) (p. 93)
- [UpdateProvisionedProduct](#) (p. 96)
- [UpdateProvisioningArtifact](#) (p. 99)

AcceptPortfolioShare

Accepts an offer to share a portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 12)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PortfolioId (p. 12)

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 invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

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 to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

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 representing 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. Must be `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 invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

AssociateProductWithPortfolio

Associates a product with a 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 to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

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 to use with this association.

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 invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

CreateConstraint

Creates a new 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. 17)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Description (p. 17)

The text description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

IdempotencyToken (p. 17)

A token to disambiguate duplicate requests. You can create multiple resources using the same input in multiple requests, provided that you also specify a different idempotency token for each 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. 17)

The constraint parameters.

Type: String

Required: Yes

PortfolioId (p. 17)

The portfolio identifier.

Type: String

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

Required: Yes

ProductId (p. 17)

The product identifier.

Type: String

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

Required: Yes

Type (p. 17)

The type of the constraint.

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. 18)

The resulting detailed constraint information.

Type: [ConstraintDetail \(p. 103\)](#) object

ConstraintParameters (p. 18)

The resulting constraint parameters.

Type: String

Status (p. 18)

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 invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

CreatePortfolio

Creates a new 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. 20)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Description (p. 20)

The text description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

DisplayName (p. 20)

The name to use for display purposes.

Type: String

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

Required: Yes

IdempotencyToken (p. 20)

A token to disambiguate duplicate requests. You can create multiple resources using the same input in multiple requests, provided that you also specify a different idempotency token for each 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. 20)

The name of the portfolio provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Required: Yes

Tags (p. 20)

Tags to associate with the new portfolio.

Type: array of [Tag \(p. 126\)](#) 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. 21)

The resulting detailed portfolio information.

Type: [PortfolioDetail \(p. 108\)](#) object

Tags (p. 21)

Tags successfully associated with the new portfolio.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

CreatePortfolioShare

Creates a new portfolio share.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 22)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

AccountId (p. 22)

The account ID with which to share the portfolio.

Type: String

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

Required: Yes

PortfolioId (p. 22)

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 invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

CreateProduct

Creates a new 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. 24)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Description (p. 24)

The text description of the product.

Type: String

Required: No

Distributor (p. 24)

The distributor of the product.

Type: String

Required: No

IdempotencyToken (p. 24)

A token to disambiguate duplicate requests. You can create multiple resources using the same input in multiple requests, provided that you also specify a different idempotency token for each 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. 24)

The name of the product.

Type: String

Required: Yes

Owner (p. 24)

The owner of the product.

Type: String

Required: Yes

ProductType (p. 24)

The type of the product to create.

Type: String

Valid Values: CLOUD_FORMATION_TEMPLATE

Required: Yes

ProvisioningArtifactParameters (p. 24)

Parameters for the provisioning artifact.

Type: [ProvisioningArtifactProperties \(p. 119\)](#) object

Required: Yes

SupportDescription (p. 24)

Support information about the product.

Type: String

Required: No

SupportEmail (p. 24)

Contact email for product support.

Type: String

Required: No

SupportUrl (p. 24)

Contact URL for product support.

Type: String

Required: No

Tags (p. 24)

Tags to associate with the new product.

Type: array of [Tag \(p. 126\)](#) 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": {
    "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. 25)

The resulting detailed product view information.

Type: [ProductViewDetail](#) (p. 111) object

ProvisioningArtifactDetail (p. 25)

The resulting detailed provisioning artifact information.

Type: [ProvisioningArtifactDetail](#) (p. 117) object

Tags (p. 25)

Tags successfully associated with the new product.

Type: array of [Tag](#) (p. 126) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

CreateProvisioningArtifact

Create a new provisioning artifact for the specified product. This operation will not work with a product that has been 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. 28)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

IdempotencyToken (p. 28)

A token to disambiguate duplicate requests. You can create multiple resources using the same input in multiple requests, provided that you also specify a different idempotency token for each 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. 28)

The parameters to use when creating the new provisioning artifact.

Type: [ProvisioningArtifactProperties \(p. 119\)](#) object

Required: Yes

ProductId (p. 28)

The product identifier.

Type: String

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

Required: Yes

Response Syntax

```
{
  "Info": {
    "string" : "string"
  },
  "ProvisioningArtifactDetail": {
    "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. 29)

Additional information about the provisioning artifact create request.

Type: String to String map

ProvisioningArtifactDetail (p. 29)

The resulting detailed provisioning artifact information.

Type: [ProvisioningArtifactDetail](#) (p. 117) object

Status (p. 29)

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DeleteConstraint

Deletes the specified constraint.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 30)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 30)

The identifier of the constraint to delete.

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 invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DeletePortfolio

Deletes the specified portfolio. This operation will not work with a portfolio that has been shared with you or if it has products, users, constraints, or shared accounts associated with it.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 31)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 31)

The identifier of the portfolio for the delete request.

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 invalid.

HTTP Status Code: 400

ResourceInUseException

The operation was requested against a resource that is currently in use. Free the resource from use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DeletePortfolioShare

Deletes the specified portfolio share.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 32)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

AccountId (p. 32)

The account ID associated with the share to delete.

Type: String

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

Required: Yes

PortfolioId (p. 32)

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

DeleteProduct

Deletes the specified product. This operation will not work with a product that has been 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. 33)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 33)

The identifier of the product for the delete request.

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 invalid.

HTTP Status Code: 400

ResourceInUseException

The operation was requested against a resource that is currently in use. Free the resource from use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DeleteProvisioningArtifact

Deletes the specified provisioning artifact. This operation will not work on a provisioning artifact associated with a product that has been shared with you, or on the last provisioning artifact associated with a product (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. 34)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

ProductId (p. 34)

The product identifier.

Type: String

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

Required: Yes

ProvisioningArtifactId (p. 34)

The identifier of the provisioning artifact for the delete request.

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 invalid.

HTTP Status Code: 400

ResourceInUseException

The operation was requested against a resource that is currently in use. Free the resource from use and retry the operation.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DescribeConstraint

Retrieves detailed information for a specified constraint.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 36)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 36)

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. 36)

Detailed constraint information.

Type: [ConstraintDetail \(p. 103\)](#) object

ConstraintParameters (p. 36)

The current parameters associated with the specified constraint.

Type: String

Status (p. 36)

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

DescribePortfolio

Retrieves detailed information and any tags associated with the specified portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 38)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 38)

The identifier of the portfolio for which to retrieve information.

Type: String

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

Required: Yes

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. 38)

Detailed portfolio information.

Type: [PortfolioDetail \(p. 108\)](#) object

Tags (p. 38)

Tags associated with the portfolio.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 50 items.

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DescribeProduct

Retrieves information about a specified product.

This operation is functionally identical to [DescribeProductView](#) (p. 44) except that it takes as input `ProductId` instead of `ProductViewId`.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 40)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 40)

The `ProductId` of the product to describe.

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. 40)

The summary metadata about the specified product.

Type: [ProductViewSummary \(p. 112\)](#) object

ProvisioningArtifacts (p. 40)

A list of provisioning artifact objects for the specified product. The `ProvisioningArtifacts` parameter represent the ways the specified product can be provisioned.

Type: array of [ProvisioningArtifact \(p. 116\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DescribeProductAsAdmin

Retrieves information about a specified product, run with administrator access.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 42)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 42)

The identifier of the product for which to retrieve information.

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"  
  },  
  "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. 42)

Detailed product view information.

Type: [ProductViewDetail \(p. 111\)](#) object

Tags (p. 42)

Tags associated with the product.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 50 items.

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DescribeProductView

Retrieves information about a specified product.

This operation is functionally identical to [DescribeProduct](#) (p. 40) except that it takes as input `ProductViewId` instead of `ProductId`.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 44)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 44)

The `ProductViewId` of the product to describe.

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. 44)

The summary metadata about the specified product.

Type: [ProductViewSummary \(p. 112\)](#) object

ProvisioningArtifacts (p. 44)

A list of provisioning artifact objects for the specified product. The `ProvisioningArtifacts` represent the ways in which the specified product can be provisioned.

Type: array of [ProvisioningArtifact \(p. 116\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DescribeProvisioningArtifact

Retrieves detailed information about the specified provisioning artifact.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 46)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

ProductId (p. 46)

The product identifier.

Type: String

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

Required: Yes

ProvisioningArtifactId (p. 46)

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": {  
    "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. 46)

Additional information about the provisioning artifact.

Type: String to String map

ProvisioningArtifactDetail (p. 46)

Detailed provisioning artifact information.

Type: [ProvisioningArtifactDetail \(p. 117\)](#) object

Status (p. 46)

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

DescribeProvisioningParameters

Provides information about parameters required to provision a specified product in a specified manner. Use this operation to obtain the list of `ProvisioningArtifactParameters` parameters available to call the `ProvisionProduct` (p. 73) operation for the specified product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 48)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PathId (p. 48)

The identifier of the path for this product's provisioning. This value is optional if the product has a default path, and is required if there is more than one path for the specified product.

Type: String

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

Required: No

ProductId (p. 48)

The product identifier.

Type: String

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

Required: Yes

ProvisioningArtifactId (p. 48)

The provisioning artifact identifier for this product.

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"
    }
  ],
  "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. 48)

The list of constraint summaries that apply to provisioning this product.

Type: array of [ConstraintSummary \(p. 104\)](#) objects

ProvisioningArtifactParameters (p. 48)

The list of parameters used to successfully provision the product. Each parameter includes a list of allowable values and additional metadata about each parameter.

Type: array of [ProvisioningArtifactParameter \(p. 118\)](#) objects

UsageInstructions (p. 48)

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 \(p. 128\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

DescribeRecord

Retrieves a paginated list of the full details of a specific request. Use this operation after calling a request operation ([ProvisionProduct](#) (p. 73), [TerminateProvisionedProduct](#) (p. 86), or [UpdateProvisionedProduct](#) (p. 96)).

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 50)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Id (p. 50)

The record identifier of the ProvisionedProduct object for which to retrieve output information. This is the `RecordDetail.RecordId` obtained from the request operation's response.

Type: String

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

Required: Yes

PageSize (p. 50)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 50)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

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

Required: No

Response Syntax

```
{
  "NextPageToken": "string",
  "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
  },
  "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. 50)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u0D7FF\uE000-\uFFFF]*

RecordDetail (p. 50)

Detailed record information for the specified product.

Type: [RecordDetail \(p. 121\)](#) object

RecordOutputs (p. 50)

A list of outputs for the specified Product object created as the result of a request. For example, a CloudFormation-backed product that creates an S3 bucket would have an output for the S3 bucket URL.

Type: array of [RecordOutput \(p. 124\)](#) objects

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

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. 53)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PortfolioId (p. 53)

The portfolio identifier.

Type: String

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

Required: Yes

PrincipalARN (p. 53)

The ARN representing 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 invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

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. 54)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PortfolioId (p. 54)

The portfolio identifier.

Type: String

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

Required: Yes

ProductId (p. 54)

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 invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

ListAcceptedPortfolioShares

Lists details of 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. 55)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PageSize (p. 55)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 55)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\uD7FF\uE000-\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. 55)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Pattern: [0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*

PortfolioDetails (p. 55)

List of detailed portfolio information objects.

Type: array of [PortfolioDetail \(p. 108\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ListConstraintsForPortfolio

Retrieves detailed constraint information 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. 57)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PageSize (p. 57)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 57)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

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

Required: No

PortfolioId (p. 57)

The portfolio identifier.

Type: String

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

Required: Yes

ProductId (p. 57)

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. 58)

List of detailed constraint information objects.

Type: array of [ConstraintDetail \(p. 103\)](#) objects

NextPageToken (p. 58)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, 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 invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

ListLaunchPaths

Returns a paginated list of all paths to a 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. 59)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PageSize (p. 59)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 59)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: [`\u0009\u000a\u000d\u0020-\u007F\u00E000-\u00FF`]*

Required: No

ProductId (p. 59)

The product identifier.. Identifies the product for which to retrieve `LaunchPathSummaries` information.

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. 59)

List of launch path information summaries for the specified `PageToken`.

Type: array of [LaunchPathSummary \(p. 105\)](#) objects

NextPageToken (p. 59)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

ListPortfolioAccess

Lists the account IDs that have been authorized sharing of the specified portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 61)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PortfolioId (p. 61)

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. 61)

List of account IDs associated with access to the portfolio.

Type: array of Strings

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

NextPageToken (p. 61)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, 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

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. 63)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PageSize (p. 63)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 63)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\uD7FF\uE000-\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. 63)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

PortfolioDetails (p. 63)

List of detailed portfolio information objects.

Type: array of [PortfolioDetail \(p. 108\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

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. 65)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PageSize (p. 65)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 65)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

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

Required: No

ProductId (p. 65)

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. 65)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

PortfolioDetails (p. 65)

List of detailed portfolio information objects.

Type: array of [PortfolioDetail \(p. 108\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

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. 67)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PageSize (p. 67)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 67)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

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

Required: No

PortfolioId (p. 67)

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. 67)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

Principals (p. 67)

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

Type: array of [Principal \(p. 109\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

ListProvisioningArtifacts

Lists all provisioning artifacts associated with the specified product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 69)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

ProductId (p. 69)

The product identifier.

Type: String

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

Required: Yes

Response Syntax

```
{  
  "NextPageToken": "string",  
  "ProvisioningArtifactDetails": [  
    {  
      "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. 69)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

[ProvisioningArtifactDetails \(p. 69\)](#)

List of detailed provisioning artifact information objects.

Type: array of [ProvisioningArtifactDetail \(p. 117\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

ListRecordHistory

Returns a paginated list of all performed requests, in the form of RecordDetails objects that are filtered as specified.

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. 71)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

AccessLevelFilter (p. 71)

The access level for obtaining results. If left unspecified, `User` level access is used.

Type: [AccessLevelFilter \(p. 102\)](#) object

Required: No

PageSize (p. 71)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 71)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007F\u00E000-\u00FFD]*`

Required: No

SearchFilter (p. 71)

The filter to limit search results.

Type: [ListRecordHistorySearchFilter \(p. 106\)](#) 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",
      "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.

NextPageToken (p. 72)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

Pattern: [009\u000a\u000d\u0020-\u07FF\uE000-\uFFFD]*

RecordDetails (p. 72)

A list of record detail objects, listed in reverse chronological order.

Type: array of [RecordDetail \(p. 121\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ProvisionProduct

Requests a *Provision* of a specified product. A *ProvisionedProduct* is a resourced instance for a product. For example, provisioning a CloudFormation-template-backed product results in launching a CloudFormation stack and all the underlying resources that come with it.

You can check the status of this request using the [DescribeRecord \(p. 50\)](#) operation.

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. 73)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

NotificationArns (p. 73)

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. 73)

The identifier of the path for this product's provisioning. This value is optional if the product has a default path, and is required if there is more than one path for the specified product.

Type: String

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

Required: No

ProductId (p. 73)

The product identifier.

Type: String

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

Required: Yes

ProvisionedProductName (p. 73)

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

Type: String

Required: Yes

ProvisioningArtifactId (p. 73)

The provisioning artifact identifier for this product.

Type: String

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

Required: Yes

ProvisioningParameters (p. 73)

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

Type: array of [ProvisioningParameter \(p. 120\)](#) objects

Required: No

ProvisionToken (p. 73)

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. 73)

A list of tags to use as provisioning options.

Type: array of [Tag \(p. 126\)](#) 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. 74)

The detailed result of the [ProvisionProduct \(p. 73\)](#) request, containing the inputs made to that request, the current state of the request, a pointer to the ProvisionedProduct object of the request, and a list of any errors that the request encountered.

Type: [RecordDetail \(p. 121\)](#) object

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

RejectPortfolioShare

Rejects an offer to share a portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 76)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PortfolioId (p. 76)

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

ScanProvisionedProducts

Returns a paginated list of all the ProvisionedProduct objects that are currently available (not terminated).

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. 77)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

AccessLevelFilter (p. 77)

The access level for obtaining results. If left unspecified, `User` level access is used.

Type: [AccessLevelFilter \(p. 102\)](#) object

Required: No

PageSize (p. 77)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 77)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007F\uE000-\uFFFF]*`

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. 77)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

ProvisionedProducts (p. 77)

A list of ProvisionedProduct detail objects.

Type: array of [ProvisionedProductDetail \(p. 114\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

SearchProducts

Returns a paginated list all of the `Products` objects to which the caller has access.

The output of this operation can be used as input for other operations, such as [DescribeProductView](#) (p. 44).

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. 79)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Filters (p. 79)

The list of filters with which to limit search results. If no search filters are specified, the output is all the products to which the calling user has access.

Type: String to array of Strings map

Valid Map Keys: `FullTextSearch` | `Owner` | `ProductType`

Required: No

PageSize (p. 79)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 79)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: `[\u0009\u000a\u000d\u0020-\u007F\u00E000-\u00FFD]*`

Required: No

SortBy (p. 79)

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

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

SortOrder (p. 79)

The sort order specifier. If no value is specified, 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. 80)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

ProductViewAggregations (p. 80)

A list of the product view aggregation value objects.

Type: String to array of [ProductViewAggregationValue \(p. 110\)](#) objects map

ProductViewSummaries (p. 80)

A list of the product view summary objects.

Type: array of [ProductViewSummary \(p. 112\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

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-w35uhtf6nrqqy",
    "Name":"RDS template",
    "Owner":"AWS",
    "ProductId":"prod-3tserlhc2g7pw",
    "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-3p2k2ejvcsdvi",
    "ShortDescription":"test",
    "Type":"Base"
  },
  {
    "Distributor":"Me",
    "HasDefaultPath":false,
    "Id":"prodview-3fmrw464floam",
    "Name":"Testtemplate",
    "Owner":"MSP XYZ",
    "ProductId":"prod-eqeqzgemstiea",
    "ShortDescription":"asdas",
    "Type":"Base"
  }
]
}
```

SearchProductsAsAdmin

Retrieves summary and status information about all products created within the caller's account. If a portfolio ID is provided, this operation retrieves information for only those products that are associated with the specified portfolio.

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. 83)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Filters (p. 83)

The list of filters with which to limit search results. If no search filters are specified, the output is all the products to which the administrator has access.

Type: String to array of Strings map

Valid Map Keys: FullTextSearch | Owner | ProductType

Required: No

PageSize (p. 83)

The maximum number of items to return in the results. If more results exist than fit in the specified `PageSize`, the value of `NextPageToken` in the response is non-null.

Type: Integer

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

Required: No

PageToken (p. 83)

The page token of the first page retrieved. If null, this retrieves the first page of size `PageSize`.

Type: String

Pattern: [0009\u000a\u000d\u0020-\u007F\uE000-\uFFFF]*

Required: No

PortfolioId (p. 83)

The portfolio identifier.

Type: String

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

Required: No

ProductSource (p. 83)

Access level of the source of the product.

Type: String

Valid Values: ACCOUNT

Required: No

SortBy (p. 83)

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

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

SortOrder (p. 83)

The sort order specifier. If no value is specified, 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. 84)

The page token to use to retrieve the next page of results for this operation. If there are no more pages, this value is null.

Type: String

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

ProductViewDetails (p. 84)

List of detailed product view information objects.

Type: array of [ProductViewDetail \(p. 111\)](#) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TerminateProvisionedProduct

Requests termination of an existing ProvisionedProduct object. If there are `Tags` associated with the object, they are terminated when the ProvisionedProduct object is terminated.

This operation does not delete any records associated with the ProvisionedProduct object.

You can check the status of this request using the [DescribeRecord \(p. 50\)](#) operation.

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. 86)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

IgnoreErrors (p. 86)

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

Type: Boolean

Required: No

ProvisionedProductId (p. 86)

The identifier of the ProvisionedProduct object to terminate. You must specify either `ProvisionedProductName` or `ProvisionedProductId`, but not both.

Type: String

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

Required: No

ProvisionedProductName (p. 86)

The name of the ProvisionedProduct object to terminate. You must specify either `ProvisionedProductName` or `ProvisionedProductId`, but not both.

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. 86)

An idempotency token that uniquely identifies the termination request. This token is only valid during the termination process. After the ProvisionedProduct object is terminated, further requests

to terminate the same ProvisionedProduct object always return **ResourceNotFound** regardless of the value of `TerminateToken`.

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. 87)

The detailed result of the [TerminateProvisionedProduct \(p. 86\)](#) request, containing the inputs made to that request, the current state of the request, a pointer to the ProvisionedProduct object that the request is modifying, and a list of any errors that the request encountered.

Type: [RecordDetail \(p. 121\)](#) object

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

UpdateConstraint

Updates an existing constraint.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 88)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Description (p. 88)

The updated text description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

Id (p. 88)

The identifier of the constraint to update.

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. 88)

The resulting detailed constraint information.

Type: [ConstraintDetail \(p. 103\)](#) object

ConstraintParameters (p. 88)

The resulting updated constraint parameters.

Type: String

Status (p. 88)

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

UpdatePortfolio

Updates the specified portfolio's details. This operation will not work with a product that has been 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. 90)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

AddTags (p. 90)

Tags to add to the existing list of tags associated with the portfolio.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 20 items.

Required: No

Description (p. 90)

The updated text description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

DisplayName (p. 90)

The name to use for display purposes.

Type: String

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

Required: No

Id (p. 90)

The identifier of the portfolio for the update request.

Type: String

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

Required: Yes

ProviderName (p. 90)

The updated name of the portfolio provider.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Required: No

RemoveTags (p. 90)

Tags to remove from the existing list of tags associated with the portfolio.

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. 91)

The resulting detailed portfolio information.

Type: [PortfolioDetail \(p. 108\)](#) object

Tags (p. 91)

Tags associated with the portfolio.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

UpdateProduct

Updates an existing 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. 93)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

AddTags (p. 93)

Tags to add to the existing list of tags associated with the product.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 20 items.

Required: No

Description (p. 93)

The updated text description of the product.

Type: String

Required: No

Distributor (p. 93)

The updated distributor of the product.

Type: String

Required: No

Id (p. 93)

The identifier of the product for the update request.

Type: String

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

Required: Yes

Name (p. 93)

The updated product name.

Type: String

Required: No

Owner (p. 93)

The updated owner of the product.

Type: String

Required: No

RemoveTags (p. 93)

Tags to remove from the existing list of tags associated with the product.

Type: array of Strings

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

Pattern: $^{\wedge}([\backslash\{L\}\backslash\{Z\}\backslash\{N\}_\cdot : / = + \backslash - @] ^ *) \$$

Required: No

SupportDescription (p. 93)

The updated support description for the product.

Type: String

Required: No

SupportEmail (p. 93)

The updated support email for the product.

Type: String

Required: No

SupportUrl (p. 93)

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. 94)

The resulting detailed product view information.

Type: [ProductViewDetail \(p. 111\)](#) object

Tags (p. 94)

Tags associated with the product.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

UpdateProvisionedProduct

Requests updates to the configuration of an existing ProvisionedProduct object. If there are tags associated with the object, they cannot be updated or added with this operation. Depending on the specific updates requested, this operation may update with no interruption, with some interruption, or replace the ProvisionedProduct object entirely.

You can check the status of this request using the [DescribeRecord \(p. 50\)](#) operation.

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. 96)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

PathId (p. 96)

The identifier of the path to use in the updated ProvisionedProduct object. This value is optional if the product has a default path, and is required if there is more than one path for the specified product.

Type: String

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

Required: No

ProductId (p. 96)

The identifier of the ProvisionedProduct object.

Type: String

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

Required: No

ProvisionedProductId (p. 96)

The identifier of the ProvisionedProduct object to update. You must specify either ProvisionedProductName or ProvisionedProductId, but not both.

Type: String

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

Required: No

ProvisionedProductName (p. 96)

The updated name of the ProvisionedProduct object. You must specify either ProvisionedProductName or ProvisionedProductId, but not both.

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. 96)

The provisioning artifact identifier for this product.

Type: String

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

Required: No

ProvisioningParameters (p. 96)

A list of ProvisioningParameter objects used to update the ProvisionedProduct object.

Type: array of UpdateProvisioningParameter (p. 127) objects

Required: No

UpdateToken (p. 96)

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",  
    "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. 97)

The detailed result of the [UpdateProvisionedProduct \(p. 96\)](#) request, containing the inputs made to that request, the current state of the request, a pointer to the ProvisionedProduct object that the request is modifying, and a list of any errors that the request encountered.

Type: [RecordDetail \(p. 121\)](#) object

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

UpdateProvisioningArtifact

Updates an existing provisioning artifact's information. This operation will not work on a provisioning artifact associated with a product that has been shared with you.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 99)

The language code to use for this operation. Supported language codes are as follows:

"en" (English)

"jp" (Japanese)

"zh" (Chinese)

If no code is specified, "en" is used as the default.

Type: String

Required: No

Description (p. 99)

The updated text description of the provisioning artifact.

Type: String

Required: No

Name (p. 99)

The updated name of the provisioning artifact.

Type: String

Required: No

ProductId (p. 99)

The product identifier.

Type: String

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

Required: Yes

ProvisioningArtifactId (p. 99)

The identifier of the provisioning artifact for the update request.

Type: String

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

Required: Yes

Response Syntax

```
{  
  "Info": {
```



```
    "string" : "string"
  },
  "ProvisioningArtifactDetail": {
    "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. 99)

Additional information about the provisioning artifact update request.

Type: String to String map

ProvisioningArtifactDetail (p. 99)

The resulting detailed provisioning artifact information.

Type: [ProvisioningArtifactDetail \(p. 117\)](#) object

Status (p. 99)

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

InvalidParametersException

One or more parameters provided to the operation are invalid.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

Data Types

The following data types are supported:

- [AccessLevelFilter \(p. 102\)](#)
- [ConstraintDetail \(p. 103\)](#)
- [ConstraintSummary \(p. 104\)](#)
- [LaunchPathSummary \(p. 105\)](#)
- [ListRecordHistorySearchFilter \(p. 106\)](#)
- [ParameterConstraints \(p. 107\)](#)
- [PortfolioDetail \(p. 108\)](#)
- [Principal \(p. 109\)](#)
- [ProductViewAggregationValue \(p. 110\)](#)
- [ProductViewDetail \(p. 111\)](#)

- [ProductViewSummary](#) (p. 112)
- [ProvisionedProductDetail](#) (p. 114)
- [ProvisioningArtifact](#) (p. 116)
- [ProvisioningArtifactDetail](#) (p. 117)
- [ProvisioningArtifactParameter](#) (p. 118)
- [ProvisioningArtifactProperties](#) (p. 119)
- [ProvisioningParameter](#) (p. 120)
- [RecordDetail](#) (p. 121)
- [RecordError](#) (p. 123)
- [RecordOutput](#) (p. 124)
- [RecordTag](#) (p. 125)
- [Tag](#) (p. 126)
- [UpdateProvisioningParameter](#) (p. 127)
- [UsageInstruction](#) (p. 128)

AccessLevelFilter

The access level to limit results.

Contents

Key

Specifies the access level.

`Account` allows results at the account level.

`Role` allows results based on the federated role of the specified user.

`User` allows results limited to the specified user.

Type: String

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

Required: No

Value

Specifies the user to which the access level applies. A value of `Self` is currently supported.

Type: String

Required: No

ConstraintDetail

Detailed constraint information.

Contents

ConstraintId

The identifier of the constraint.

Type: String

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

Required: No

Description

The text 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]{1,2}$`

Required: No

Type

The type of the constraint.

Type: String

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

Required: No

ConstraintSummary

An administrator-specified constraint to apply when provisioning a product.

Contents

Description

The text description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

Type

The type of the constraint.

Type: String

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

Required: No

LaunchPathSummary

Summary information about a path for a user to have access to a specified product.

Contents

ConstraintSummaries

List of constraints on the portfolio-product relationship.

Type: array of [ConstraintSummary \(p. 104\)](#) objects

Required: No

Id

The unique identifier of the product path.

Type: String

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

Required: No

Name

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

Type: String

Required: No

Tags

List of tags used by this launch path.

Type: array of [Tag \(p. 126\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

ListRecordHistorySearchFilter

The search filter to limit results when listing request history records.

Contents

Key

The filter key.

Type: String

Required: No

Value

The filter value for `key`.

Type: String

Required: No

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

PortfolioDetail

Detailed portfolio information.

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 timestamp of the creation time.

Type: Timestamp

Required: No

Description

The text 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 identifier for the portfolio.

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 20.

Required: No

Principal

A principal's ARN and type.

Contents

PrincipalARN

The ARN representing 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. Must be `IAM`

Type: String

Valid Values: `IAM`

Required: No

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

ProductViewDetail

Detailed product view information.

Contents

CreatedTime

The UTC timestamp of the creation time.

Type: Timestamp

Required: No

ProductARN

The ARN associated with the product.

Type: String

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

Required: No

ProductViewSummary

The summary metadata about the specified product view.

Type: [ProductViewSummary \(p. 112\)](#) object

Required: No

Status

Current status of the product.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Required: No

ProductViewSummary

The summary metadata about the specified product.

Contents

Distributor

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

Type: String

Required: No

HasDefaultPath

A value of `false` indicates that the product does not have a default path, while a value of `true` indicates that it does. If it's `false`, call [ListLaunchPaths \(p. 59\)](#) to disambiguate between paths. If `true`, [ListLaunchPaths \(p. 59\)](#) is not required, and the output of the [ProductViewSummary \(p. 112\)](#) operation can be used directly with [DescribeProvisioningParameters \(p. 48\)](#).

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.

Type: String

Valid Values: CLOUD_FORMATION_TEMPLATE

Required: No

ProvisionedProductDetail

Detailed information about a ProvisionedProduct object.

Contents

Arn

The ARN associated with the ProvisionedProduct object.

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 timestamp of the creation time.

Type: Timestamp

Required: No

Id

The identifier of the ProvisionedProduct object.

Type: String

Required: No

IdempotencyToken

A token to disambiguate duplicate requests. You can create multiple resources using the same input in multiple requests, provided that you also specify a different idempotency token for each 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 ProvisionedProduct object.

Type: String

Required: No

Name

The user-friendly name of the ProvisionedProduct object.

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 ProvisionedProduct.

Type: String

Valid Values: `IN_PROGRESS | SUCCEEDED | ERROR`

Required: No

StatusMessage

The current status message of the ProvisionedProduct.

Type: String

Required: No

Type

The type of the ProvisionedProduct object.

Type: String

Required: No

ProvisioningArtifact

Contains information indicating the ways in which a product can be provisioned.

Contents

CreatedTime

The UTC timestamp of the creation time.

Type: Timestamp

Required: No

Description

The text description of the artifact.

Type: String

Required: No

Id

The identifier for the artifact.

Type: String

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

Required: No

Name

The name of the artifact.

Type: String

Required: No

ProvisioningArtifactDetail

Detailed provisioning artifact information.

Contents

CreatedTime

The UTC timestamp of the creation time.

Type: Timestamp

Required: No

Description

The text 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 assigned to the provisioning artifact.

Type: String

Required: No

Type

The type of the provisioning artifact.

Type: String

Valid Values: `CLOUD_FORMATION_TEMPLATE`

Required: No

ProvisioningArtifactParameter

A parameter used to successfully provision the product. This value includes a list of allowable values and additional metadata.

Contents

DefaultValue

The default value for this parameter.

Type: String

Required: No

Description

The text 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

The list of constraints that the administrator has put on the parameter.

Type: [ParameterConstraints \(p. 107\)](#) 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

ProvisioningArtifactProperties

Provisioning artifact properties.

Contents

Description

The text description of the provisioning artifact properties.

Type: String

Required: No

Info

Additional information about the provisioning artifact properties.

Type: String to String map

Required: Yes

Name

The name assigned to the provisioning artifact properties.

Type: String

Required: No

Type

The type of the provisioning artifact properties.

Type: String

Valid Values: `CLOUD_FORMATION_TEMPLATE`

Required: No

ProvisioningParameter

The parameter key/value pairs used to provision a product.

Contents

Key

The `ProvisioningArtifactParameter.ParameterKey` parameter from [DescribeProvisioningParameters \(p. 48\)](#).

Type: String

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

Required: No

Value

The value to use for provisioning. Any constraints on this value can be found in `ProvisioningArtifactParameter` for `Key`.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

RecordDetail

The full details of a specific ProvisionedProduct object.

Contents

CreatedTime

The UTC timestamp of the creation time.

Type: Timestamp

Required: No

PathId

The identifier of the path for this product's provisioning.

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 ProvisionedProduct object.

Type: String

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

Required: No

ProvisionedProductName

The user-friendly name of the ProvisionedProduct object.

Type: String

Required: No

ProvisionedProductType

The type of the ProvisionedProduct object.

Type: String

Required: No

ProvisioningArtifactId

The provisioning artifact identifier for this product.

Type: String

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

Required: No

RecordErrors

A list of errors that occurred while processing the request.

Type: array of [RecordError \(p. 123\)](#) objects

Required: No

RecordId

The identifier of the ProvisionedProduct object record.

Type: String

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

Required: No

RecordTags

List of tags associated with this record.

Type: array of [RecordTag \(p. 125\)](#) objects

Array Members: Maximum number of 50 items.

Required: No

RecordType

The record type for this record.

Type: String

Required: No

Status

The status of the ProvisionedProduct object.

Type: String

Valid Values: `IN_PROGRESS` | `SUCCEEDED` | `ERROR`

Required: No

UpdateTime

The time when the record for the ProvisionedProduct object was last updated.

Type: Timestamp

Required: No

RecordError

The error code and description resulting from an operation.

Contents

Code

The numeric value of the error.

Type: String

Required: No

Description

The text description of the error.

Type: String

Required: No

RecordOutput

An output for the specified Product object created as the result of a request. For example, a CloudFormation-backed product that creates an S3 bucket would have an output for the S3 bucket URL.

Contents

Description

The text description of the output.

Type: String

Required: No

OutputKey

The output key.

Type: String

Required: No

OutputValue

The output value.

Type: String

Required: No

RecordTag

A tag associated with the record, stored as 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

Tag

Key/value pairs to associate with this provisioning. These tags are entirely discretionary and are propagated to the resources created in the provisioning.

Contents

Key

The `ProvisioningArtifactParameter.TagKey` parameter from [DescribeProvisioningParameters \(p. 48\)](#).

Type: String

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

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

Required: Yes

Value

The esired 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

UpdateProvisioningParameter

The parameter key/value pair used to update a ProvisionedProduct object. If UsePreviousValue is set to true, Value is ignored and the value for Key is kept as previously set (current value).

Contents

Key

The ProvisioningArtifactParameter.ParameterKey parameter from [DescribeProvisioningParameters \(p. 48\)](#).

Type: String

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

Required: No

UsePreviousValue

If true, uses the currently set value for Key, ignoring UpdateProvisioningParameter.Value.

Type: Boolean

Required: No

Value

The value to use for updating the product provisioning. Any constraints on this value can be found in the ProvisioningArtifactParameter parameter for Key.

Type: String

Length Constraints: Maximum length of 1000.

Required: No

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

Document History

The following table describes the important changes to the *AWS Service Catalog Developer Guide*.

- **Current product version:** 2016-05-06
- **Latest documentation update:** May 24, 2016

Change	Description	Date
Administrator API operations release	First release of the AWS Service Catalog API operations for administrators.	November 11, 2016
Access level filter support	Updated content for new access level filter and other minor updates and cross links.	September 8, 2016
General release	First general release of the <i>AWS Service Catalog Developer Guide</i> .	July 5, 2016
Preview release	Preview release of the <i>AWS Service Catalog Developer Guide</i> .	May 24, 2016

AWS Glossary

For the latest AWS terminology, see the [AWS Glossary](#) in the *AWS General Reference*.