AWS Service Catalog
Developer Guide
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What Is AWS Service Catalog?

AWS Service Catalog enables organizations to create and manage catalogs of products that are approved for use on AWS.

If you are new to AWS Service Catalog, see the following guides: AWS Service Catalog Administrator Guide and AWS Service Catalog User Guide.

Benefits of Using the AWS Service Catalog API

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

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

Access AWS Service Catalog

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

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

AWS Command Line Interface (CLI)

To get started, see the AWS Command Line Interface User Guide. For more information about the commands for AWS Service Catalog, see servicenamespace in the AWS CLI Command Reference.

AWS Tools for Windows PowerShell

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

Example Workflow

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

Administrator Tasks

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

End User Tasks

1. The user calls SearchProducts (p. 193) with no arguments. This returns the list of products the user has access to, as well as a "SearchDomain" that can be used to scope the results.
2. The user continues to call SearchProducts (p. 193) with additional search filters until the desired product is found.
3. The user calls DescribeProductView (p. 92) to find the list of provisioning artifacts (also known as versions) for this product. This determines what the user actually provisions.
4. The user calls ListLaunchPaths (p. 142) to find the list of paths for this product, along with the constraints for each path. This determines what set of constraints is applied on the provisioned product.
5. After choosing a provisioning artifact and a path, the user calls DescribeProvisioningParameters (p. 102). This returns the list of parameters the user must provide before provisioning a product using the provisioning artifact and path, along with whatever additional usage instructions the administrator decided to provide.
6. The user calls ProvisionProduct (p. 184), specifying the product, provisioning artifact, path, and input parameters. The input parameters are a list of key-value pairs, where the keys are obtained using DescribeProvisioningParameters (p. 102) and the values are user-provided (for example, `{ParameterKey: "dbpassword", ParameterValue: "mycoolpassword"}`). This starts a workflow to create the specified AWS resources. It also creates a record detail that tracks the provisioning request, and a provisioned product object that represents the underlying AWS resources.
7. The user polls DescribeRecord (p. 105) to see when the status of the record detail changes from the IN_PROGRESS state to a completed state (either SUCCEEDED or ERROR).
8. When the record detail for the request is in a completed state, the user calls DescribeRecord (p. 105) once more. The outputs identifies the created resources.
9. The user calls UpdateProvisionedProduct (p. 221) to update the underlying resources in place. Depending on the specific updates requested, this operation can update with no interruption, with some interruption, or replace the provisioned product entirely.
10. Finally, the user calls TerminateProvisionedProduct (p. 206) to terminate the provisioned product.
AWS Service Catalog API Overview

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

**Operations by category**

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

**Product Discovery**

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

- **SearchProducts (p. 193)**
  
  Lists all products to which the caller has access.

- **DescribeProduct (p. 86)**
  
  Get detailed information about a product.

- **DescribeProductView (p. 92)**
  
  Functionally identical to DescribeProduct, except that it takes the ID of a product view instead of the ID of a product.

- **ListLaunchPaths (p. 142)**
  
  Lists all of the ways the user has access to a specified product, referred to as *paths* to the product. A user must select a path in order to provision the product.

- **DescribeProvisioningParameters (p. 102)**
  
  Gets the parameters needed to provision a specified product, and provides additional metadata about what will happen when the product is provisioned.

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

**Provisioning Requests**

Use these operations to request, update, or terminate provisioning for a product.
ProvisionProduct (p. 184)

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

UpdateProvisionedProduct (p. 221)

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

TerminateProvisionedProduct (p. 206)

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

Provisioned Products

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

ListRecordHistory (p. 167)

Lists all requests performed, even for terminated provisioned products.

DescribeRecord (p. 105)

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

SearchProvisionedProducts (p. 202)

Gets information about the provisioned products that meet specified criteria.

ScanProvisionedProducts (p. 190)

Lists the provisioned products that are not terminated.

DescribeProvisionedProduct (p. 94)

Gets information about a provisioned product.

Provisioned Product Plans

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

CreateProvisionedProductPlan (p. 46)

Creates a plan.

DescribeProvisionedProductPlan (p. 96)

Gets information about the resource changes for a plan.

ExecuteProvisionedProductPlan (p. 126)

Provisions or modifies a product based on a plan.
Portfolios

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

CreatePortfolio (p. 35)

   Creates a portfolio.
DeletePortfolio (p. 61)

   Deletes a portfolio.
DescribePortfolio (p. 80)

   Gets detailed information about a portfolio.
ListPortfolios (p. 151)

   Lists all portfolios in the catalog.
ListPortfoliosForProduct (p. 153)

   Lists all portfolios that a product is associated with.
UpdatePortfolio (p. 213)

   Updates a portfolio.
CreatePortfolioShare (p. 38)

   Shares a portfolio with an AWS account.
DeletePortfolioShare (p. 63)

   Stops sharing a portfolio.
AcceptPortfolioShare (p. 12)

   Accepts an offer to share a portfolio.
RejectPortfolioShare (p. 188)

   Rejects an offer to share a portfolio.
ListAcceptedPortfolioShares (p. 133)

   Lists details of all portfolios for which sharing was accepted by this account.
ListPortfolioAccess (p. 148)

   Lists the account IDs that have access to a portfolio.

Principal Association

Intended for the catalog administrator, these operations provide all necessary operations for principal association.
AssociatePrincipalWithPortfolio (p. 16)
Associates a principal ARN with a portfolio.

DisassociatePrincipalFromPortfolio (p. 117)
Disassociates a principal ARN from a portfolio.

ListPrincipalsForPortfolio (p. 156)
Lists all principal ARNs associated with a portfolio.

Products

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

SearchProductsAsAdmin (p. 198)
Gets summary and status information for products.

DescribeProductAsAdmin (p. 89)
Gets information about a product.

CreateProduct (p. 41)
Creates a product.

CopyProduct (p. 28)
Copies a product.

DescribeCopyProductStatus (p. 78)
Gets the status of a copy product operation.

UpdateProduct (p. 217)
Updates a product.

DeleteProduct (p. 66)
Deletes a product.

AssociateProductWithPortfolio (p. 18)
Associates a product with a portfolio.

DisassociateProductFromPortfolio (p. 119)
Disassociates a product from a portfolio.

Provisioning Artifacts

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

DescribeProvisioningArtifact (p. 99)
Gets information about a provisioning artifact.

CreateProvisioningArtifact (p. 51)
Creates a provisioning artifact for a product.
DeleteProvisioningArtifact (p. 70)
  Deletes a provisioning artifact.
ListProvisioningArtifacts (p. 162)
  Lists all provisioning artifacts associated with a product.
UpdateProvisioningArtifact (p. 228)
  Updates a provisioning artifact.

Constraints

Intended for the catalog administrator, these operations manage constraints.
CreateConstraint (p. 31)
  Creates a constraint.
DeleteConstraint (p. 59)
  Deletes a constraint.
DescribeConstraint (p. 76)
  Gets information about a constraint.
UpdateConstraint (p. 209)
  Updates a constraint.
ListConstraintsForPortfolio (p. 139)
  Gets constraint information for the portfolio and product.

TagOptions

Intended for the catalog administrator, these operations manage TagOptions.
CreateTagOption (p. 57)
  Creates a TagOption.
ListTagOptions (p. 181)
  Lists your TagOptions.
DescribeTagOption (p. 112)
  Describes a TagOption.
UpdateTagOption (p. 234)
  Updates a TagOption.
AssociateTagOptionWithResource (p. 22)
  Associates a TagOption with a resource.
DisassociateTagOptionFromResource (p. 123)
  Disassociates a TagOption from a resource.
ListResourcesForTagOption (p. 170)

Lists the resources for a TagOption.

DeleteTagOption (p. 74)

Deletes a TagOption.
API Reference

The following actions and data types are supported:

- Actions (p. 9)
- Data Types (p. 235)

Actions

The following actions are supported:

- AcceptPortfolioShare (p. 12)
- AssociateBudgetWithResource (p. 14)
- AssociatePrincipalWithPortfolio (p. 16)
- AssociateProductWithPortfolio (p. 18)
- AssociateServiceActionWithProvisioningArtifact (p. 20)
- AssociateTagOptionWithResource (p. 22)
- BatchAssociateServiceActionWithProvisioningArtifact (p. 24)
- BatchDisassociateServiceActionFromProvisioningArtifact (p. 26)
- CopyProduct (p. 28)
- CreateConstraint (p. 31)
- CreatePortfolio (p. 35)
- CreatePortfolioShare (p. 38)
- CreateProduct (p. 41)
- CreateProvisionedProductPlan (p. 46)
- CreateProvisioningArtifact (p. 51)
- CreateServiceAction (p. 54)
- CreateTagOption (p. 57)
- DeleteConstraint (p. 59)
- DeletePortfolio (p. 61)
- DeletePortfolioShare (p. 63)
- DeleteProduct (p. 66)
- DeleteProvisionedProductPlan (p. 68)
- DeleteProvisioningArtifact (p. 70)
- DeleteServiceAction (p. 72)
- DeleteTagOption (p. 74)
- DescribeConstraint (p. 76)
- DescribeCopyProductStatus (p. 78)
- DescribePortfolio (p. 80)
- DescribePortfolioShareStatus (p. 83)
- DescribeProduct (p. 86)
- DescribeProductAsAdmin (p. 89)
- DescribeProductView (p. 92)
- DescribeProvisionedProduct (p. 94)
- DescribeProvisionedProductPlan (p. 96)
- DescribeProvisioningArtifact (p. 99)
- DescribeProvisioningParameters (p. 102)
- DescribeRecord (p. 105)
- DescribeServiceAction (p. 108)
- DescribeServiceActionExecutionParameters (p. 110)
- DescribeTagOption (p. 112)
- DisableAWSOrganizationsAccess (p. 114)
- DisassociateBudgetFromResource (p. 115)
- DisassociatePrincipalFromPortfolio (p. 117)
- DisassociateProductFromPortfolio (p. 119)
- DisassociateServiceActionFromProvisioningArtifact (p. 121)
- DisassociateTagOptionFromResource (p. 123)
- EnableAWSOrganizationsAccess (p. 125)
- ExecuteProvisionedProductPlan (p. 126)
- ExecuteProvisionedProductServiceAction (p. 129)
- GetAWSOrganizationsAccessStatus (p. 132)
- ListAcceptedPortfolioShares (p. 133)
- ListBudgetsForResource (p. 136)
- ListConstraintsForPortfolio (p. 139)
- ListLaunchPaths (p. 142)
- ListOrganizationPortfolioAccess (p. 145)
- ListPortfolioAccess (p. 148)
- ListPortfolios (p. 151)
- ListPortfoliosForProduct (p. 153)
- ListPrincipalsForPortfolio (p. 156)
- ListProvisionedProductPlans (p. 159)
- ListProvisioningArtifacts (p. 162)
- ListProvisioningArtifactsForServiceAction (p. 164)
- ListRecordHistory (p. 167)
- ListResourcesForTagOption (p. 170)
- ListServiceActions (p. 173)
- ListServiceActionsForProvisioningArtifact (p. 175)
- ListStackInstancesForProvisionedProduct (p. 178)
- ListTagOptions (p. 181)
- ProvisionProduct (p. 184)
- RejectPortfolioShare (p. 188)
- ScanProvisionedProducts (p. 190)
- SearchProducts (p. 193)
- SearchProductsAsAdmin (p. 198)
- SearchProvisionedProducts (p. 202)
- TerminateProvisionedProduct (p. 206)
- UpdateConstraint (p. 209)
- UpdatePortfolio (p. 213)
- UpdateProduct (p. 217)
• UpdateProvisionedProduct (p. 221)
• UpdateProvisionedProductProperties (p. 225)
• UpdateProvisioningArtifact (p. 228)
• UpdateServiceAction (p. 231)
• UpdateTagOption (p. 234)
AcceptPortfolioShare

Accepts an offer to share the specified portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 12)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PortfolioId (p. 12)**

The portfolio identifier.

Type: String

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

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

Required: Yes

**PortfolioShareType (p. 12)**

The type of shared portfolios to accept. The default is to accept imported portfolios.
- AWS_ORGANIZATIONS - Accept portfolios shared by the master account of your organization.
- IMPORTED - Accept imported portfolios.
- AWS_SERVICECATALOG - Not supported. (Throws ResourceNotFoundException.)

For example, `aws servicecatalog accept-portfolio-share --portfolio-id "port-2qwzkwxt3y5fk" --portfolio-share-type AWS_ORGANIZATIONS`

Type: String

Valid Values: IMPORTED | AWS_SERVICECATALOG | AWS_ORGANIZATIONS

Required: No
Response Elements

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

Errors

InvalidParametersException

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

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
AssociateBudgetWithResource

Associates the specified budget with the specified resource.

Request Syntax

```json
{
    "BudgetName": "string",
    "ResourceId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**BudgetName (p. 14)**

The name of the budget you want to associate.

Type: String

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

Required: Yes

**ResourceId (p. 14)**

The resource identifier. Either a portfolio-id or a product-id.

Type: String

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

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

Required: Yes

Response Elements

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

Errors

**DuplicateResourceException**

The specified resource is a duplicate.

HTTP Status Code: 400

**InvalidParametersException**

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

HTTP Status Code: 400

**LimitExceededException**

The current limits of the service would have been exceeded by this operation. Decrease your resource use or increase your service limits and retry the operation.
HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
**AssociatePrincipalWithPortfolio**

Associates the specified principal ARN with the specified portfolio.

**Request Syntax**

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

**Request Parameters**

The request accepts the following data in JSON format.

**AcceptLanguage (p. 16)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PortfolioId (p. 16)**

The portfolio identifier.

Type: String

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

Pattern: ^[a-zA-Z0-9_\-]*$

Required: Yes

**PrincipalARN (p. 16)**

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

Type: String

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

Required: Yes

**PrincipalType (p. 16)**

The principal type. The supported value is IAM.

Type: String

Valid Values: IAM

Required: Yes
Response Elements

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

Errors

InvalidParametersException

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

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
AssociateProductWithPortfolio

Associates the specified product with the specified portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 18)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PortfolioId (p. 18)**

The portfolio identifier.

Type: String

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

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

Required: Yes

**ProductId (p. 18)**

The product identifier.

Type: String

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

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

Required: Yes

**SourcePortfolioId (p. 18)**

The identifier of the source portfolio.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[ a-zA-Z0-9 \-_]*$
Required: No

**Response Elements**

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

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**LimitExceededException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
AssociateServiceActionWithProvisioningArtifact

Associates a self-service action with a provisioning artifact.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 20)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**ProductId (p. 20)**

The product identifier. For example, prod-abcdzk7xy33qa.

Type: String

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

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

Required: Yes

**ProvisioningArtifactId (p. 20)**

The identifier of the provisioning artifact. For example, pa-4abcdjnxj6ne.

Type: String

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

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

Required: Yes

**ServiceActionId (p. 20)**

The self-service action identifier. For example, act-fs7abcd89wxyz.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_\-]*
Required: Yes

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

Errors

**DuplicateResourceException**
The specified resource is a duplicate.

HTTP Status Code: 400

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

HTTP Status Code: 400

**ResourceNotFoundException**
The specified resource was not found.

HTTP Status Code: 400

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
AssociateTagOptionWithResource

Associate the specified TagOption with the specified portfolio or product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

ResourceId (p. 22)

The resource identifier.

Type: String

Required: Yes

TagOptionId (p. 22)

The TagOption identifier.

Type: String

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

Required: Yes

Response Elements

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

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

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

HTTP Status Code: 400

InvalidStateException

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

HTTP Status Code: 400
LimitExceeded Exception

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
BatchAssociateServiceActionWithProvisioningArtifact

Associates multiple self-service actions with provisioning artifacts.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "ServiceActionAssociations": [
    {
      "ProductId": "string",
      "ProvisioningArtifactId": "string",
      "ServiceActionId": "string"
    }
  ]
}
```

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage** (p. 24)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**ServiceActionAssociations** (p. 24)

One or more associations, each consisting of the Action ID, the Product ID, and the Provisioning Artifact ID.

Type: Array of **ServiceActionAssociation** (p. 297) objects

Array Members: Minimum number of 1 item. Maximum number of 50 items.

Required: Yes

Response Syntax

```
{
  "FailedServiceActionAssociations": [
    {
      "ErrorCode": "string",
      "ErrorMessage": "string",
      "ProductId": "string",
      "ProvisioningArtifactId": "string",
      "ServiceActionId": "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.

**FailedServiceActionAssociations (p. 24)**

An object that contains a list of errors, along with information to help you identify the self-service action.

Type: Array of FailedServiceActionAssociation (p. 245) objects

Array Members: Maximum number of 50 items.

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
BatchDisassociateServiceActionFromProvisioningArtifact

Disassociates a batch of self-service actions from the specified provisioning artifact.

Request Syntax

```
{
    "AcceptLanguage": "string",
    "ServiceActionAssociations": [
        {
            "ProductId": "string",
            "ProvisioningArtifactId": "string",
            "ServiceActionId": "string"
        }
    ]
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 26)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String
Length Constraints: Maximum length of 100.
Required: No

ServiceActionAssociations (p. 26)

One or more associations, each consisting of the Action ID, the Product ID, and the Provisioning Artifact ID.

Type: Array of ServiceActionAssociation (p. 297) objects
Array Members: Minimum number of 1 item. Maximum number of 50 items.
Required: Yes

Response Syntax

```
{
    "FailedServiceActionAssociations": [
        {
            "ErrorCode": "string",
            "ErrorMessage": "string",
            "ProductId": "string",
            "ProvisioningArtifactId": "string",
            "ServiceActionId": "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.

FailedServiceActionAssociations (p. 26)

An object that contains a list of errors, along with information to help you identify the self-service action.

Type: Array of FailedServiceActionAssociation (p. 245) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CopyProduct

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

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

This operation is performed asynchronously. To track the progress of the operation, use `DescribeCopyProductStatus (p. 78).`

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 28)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**CopyOptions (p. 28)**

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

Type: Array of strings

Valid Values: `CopyTags`

Required: No

**IdempotencyToken (p. 28)**

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

Type: String

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

Required: Yes

**SourceProductArn (p. 28)**

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

Type: String


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

Required: Yes

**SourceProvisioningArtifactIdentifiers (p. 28)**

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

Type: Array of string to string maps

Valid Keys: Id

Required: No

**TargetProductId (p. 28)**

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

Type: String

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

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

Required: No

**TargetProductName (p. 28)**

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

Type: String

Length Constraints: Maximum length of 8191.

Required: No

**Response Syntax**

```json
{
    "CopyProductToken": "string"
}
```

**Response Elements**

If the action is successful, the service sends back an HTTP 200 response.
The following data is returned in JSON format by the service.

**CopyProductToken (p. 29)**

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

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreateConstraint

Creates a constraint.

Request Syntax

```json
{
   "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. 31)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Description (p. 31)**

The description of the constraint.

Type: String


Required: No

**IdempotencyToken (p. 31)**

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

Type: String


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

Required: Yes

**Parameters (p. 31)**

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

You are required to specify either the RoleArn or the LocalRoleName but can't use both.

Specify the RoleArn property as follows:

{"RoleArn" : "arn:aws:iam::123456789012:role/LaunchRole"}

Specify the LocalRoleName property as follows:

{"LocalRoleName": "SCBasicLaunchRole"}

If you specify the LocalRoleName property, when an account uses the launch constraint, the IAM role with that name in the account will be used. This allows launch-role constraints to be account-agnostic so the administrator can create fewer resources per shared account.

**Note**

The given role name must exist in the account used to create the launch constraint and the account of the user who launches a product with this launch constraint.

You cannot have both a LAUNCH and a STACKSET constraint.

You also cannot have more than one LAUNCH constraint on a product and portfolio.

NOTIFICATION

Specify the NotificationArns property as follows:


RESOURCE_UPDATE

Specify the TagUpdatesOnProvisionedProduct property as follows:

{"Version":"2.0","Properties":
{"TagUpdatesOnProvisionedProduct":"String"}}

The TagUpdatesOnProvisionedProduct property accepts a string value of ALLOWED or NOT_ALLOWED.

STACKSET

Specify the Parameters property as follows:

{"Version": "String", "Properties": {"AccountList": [ "String" ],
"RegionList": [ "String" ], "AdminRole": "String", "ExecutionRole":
"String"}}

You cannot have both a LAUNCH and a STACKSET constraint.

You also cannot have more than one STACKSET constraint on a product and portfolio.

Products with a STACKSET constraint will launch an AWS CloudFormation stack set.

TEMPLATE

Specify the Rules property. For more information, see Template Constraint Rules.

Type: String

Required: Yes

**PortfolioId (p. 31)**

The portfolio identifier.
Type: String

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

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

Required: Yes

**ProductId (p. 31)**

The product identifier.

Type: String

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

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

Required: Yes

**Type (p. 31)**

The type of constraint.

- LAUNCH
- NOTIFICATION
- RESOURCE_UPDATE
- STACKSET
- TEMPLATE

Type: String


Required: Yes

**Response Syntax**

```json
{
  "ConstraintDetail": {
    "ConstraintId": "string",
    "Description": "string",
    "Owner": "string",
    "PortfolioId": "string",
    "ProductId": "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. 33)**

Information about the constraint.
Type: `ConstraintDetail (p. 241)` object

**ConstraintParameters (p. 33)**

The constraint parameters.

Type: String

**Status (p. 33)**

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

**Errors**

**DuplicateResourceException**

The specified resource is a duplicate.

HTTP Status Code: 400

**InvalidParametersException**

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

HTTP Status Code: 400

**LimitExceededException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreatePortfolio

Creates a portfolio.

Request Syntax

```json
{
   "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. 35)

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

Description (p. 35)

The description of the portfolio.

Type: String


Required: No

DisplayName (p. 35)

The name to use for display purposes.

Type: String

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

Required: Yes

IdempotencyToken (p. 35)

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

Type: String
Pattern: [a-zA-Z0-9][a-zA-Z0-9\-_]*
Required: Yes

ProviderName (p. 35)
The name of the portfolio provider.
Type: String
Required: Yes

Tags (p. 35)
One or more tags.
Type: Array of Tag (p. 303) objects
Array Members: Maximum number of 20 items.
Required: No

Response Syntax

```json
{
    "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. 36)

Information about the portfolio.
Type: PortfolioDetail (p. 252) object

Tags (p. 36)

Information about the tags associated with the portfolio.
Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

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

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

TagOptionNotMigratedException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreatePortfolioShare

Shares the specified portfolio with the specified account or organization node. Shares to an organization node can only be created by the master account of an Organization. AWSOrganizationsAccess must be enabled in order to create a portfolio share to an organization node.

Request Syntax

```json
{
   "AcceptLanguage": "string",
   "AccountId": "string",
   "OrganizationNode": {
      "Type": "string",
      "Value": "string"
   },
   "PortfolioId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 38)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**AccountId (p. 38)**

The AWS account ID. For example, 123456789012.

Type: String

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

Required: No

**OrganizationNode (p. 38)**

The organization node to whom you are going to share. If OrganizationNode is passed in, PortfolioShare will be created for the node and its children (when applies), and a PortfolioShareToken will be returned in the output in order for the administrator to monitor the status of the PortfolioShare creation process.

Type: OrganizationNode (p. 250) object

Required: No

**PortfolioId (p. 38)**

The portfolio identifier.
Type: String

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

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

Required: Yes

Response Syntax

```json
{
   "PortfolioShareToken": "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.

**PortfolioShareToken (p. 39)**

The portfolio share unique identifier. This will only be returned if portfolio is shared to an organization node.

Type: String

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

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

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**InvalidStateException**

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

HTTP Status Code: 400

**LimitExceededException**

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

HTTP Status Code: 400

**OperationNotSupportedException**

The operation is not supported.

HTTP Status Code: 400
ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreateProduct

Creates a product.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "Description": "string",
  "Distributor": "string",
  "IdempotencyToken": "string",
  "Name": "string",
  "Owner": "string",
  "ProductType": "string",
  "ProvisioningArtifactParameters": {
    "Description": "string",
    "DisableTemplateValidation": boolean,
    "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. 41)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Description (p. 41)**

The description of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No
**Distributor (p. 41)**

The distributor of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

**IdempotencyToken (p. 41)**

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

Type: String


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

Required: Yes

**Name (p. 41)**

The name of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: Yes

**Owner (p. 41)**

The owner of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: Yes

**ProductType (p. 41)**

The type of product.

Type: String

Length Constraints: Maximum length of 8191.

Valid Values: `CLOUD_FORMATION_TEMPLATE` | `MARKETPLACE`

Required: Yes

**ProvisioningArtifactParameters (p. 41)**

The configuration of the provisioning artifact.

Type: `ProvisioningArtifactProperties (p. 278)` object

Required: Yes

**SupportDescription (p. 41)**

The support information about the product.

Type: String
Length Constraints: Maximum length of 8191.

Required: No

**SupportEmail (p. 41)**

The contact email for product support.

Type: String

Length Constraints: Maximum length of 254.

Required: No

**SupportUrl (p. 41)**

The contact URL for product support.

Type: String

Length Constraints: Maximum length of 2083.

Required: No

**Tags (p. 41)**

One or more tags.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 20 items.

Required: No

**Response Syntax**

```json
{
  "ProductViewDetail": {
    "CreatedTime": number,
    "ProductARN": "string",
    "ProductViewSummary": {
      "Distributor": "string",
      "HasDefaultPath": boolean,
      "Id": "string",
      "Name": "string",
      "Owner": "string",
      "ProductId": "string",
      "ShortDescription": "string",
      "SupportDescription": "string",
      "SupportEmail": "string",
      "SupportUrl": "string",
      "Type": "string"
    },
    "Status": "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Guidance": "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. 43)**

  Information about the product view.

  Type: ProductViewDetail (p. 256) object

**ProvisioningArtifactDetail (p. 43)**

  Information about the provisioning artifact.

  Type: ProvisioningArtifactDetail (p. 273) object

**Tags (p. 43)**

  Information about the tags associated with the product.

  Type: Array of Tag (p. 303) objects

  Array Members: Maximum number of 50 items.

Errors

**InvalidParametersException**

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

  HTTP Status Code: 400

**LimitExceededException**

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

  HTTP Status Code: 400

**TagOptionNotMigratedException**

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

  HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
CreateProvisionedProductPlan

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

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

To view the resource changes in the change set, use DescribeProvisionedProductPlan (p. 96). To create or modify the provisioned product, use ExecuteProvisionedProductPlan (p. 126).

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 46)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

IdempotencyToken (p. 46)

A unique identifier that you provide to ensure idempotency. If multiple requests differ only by the idempotency token, the same response is returned for each repeated request.
Type: String
Pattern: [a-zA-Z0-9][a-zA-Z0-9-_]*
Required: Yes

NotificationArns (p. 46)
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.
Pattern: arn:[a-zA-Z0-9-\.]\{1,63\}:[a-zA-Z0-9-\.]\{0,63\}:[a-zA-Z0-9-\.]\{0,63\}:[a-zA-Z0-9-\.]\{0,63\}:[^/].\{0,1023\}
Required: No

PathId (p. 46)
The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use ListLaunchPaths (p. 142).
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-\._-]*
Required: No

PlanName (p. 46)
The name of the plan.
Type: String
Required: Yes

PlanType (p. 46)
The plan type.
Type: String
Valid Values: CLOUDFORMATION
Required: Yes

ProductId (p. 46)
The product identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-\._-]*
Required: Yes
ProvisionedProductName (p. 46)

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

Type: String


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

Required: Yes

ProvisioningArtifactId (p. 46)

The identifier of the provisioning artifact.

Type: String

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

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

Required: Yes

ProvisioningParameters (p. 46)

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

Type: Array of UpdateProvisioningParameter (p. 306) objects

Required: No

Tags (p. 46)

One or more tags.

If the plan is for an existing provisioned product, the product must have a RESOURCE_UPDATE constraint with TagUpdatesOnProvisionedProduct set to ALLOWED to allow tag updates.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Required: No

Response Syntax

```json
{
  "PlanId": "string",
  "PlanName": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisionProductId": "string"
}
```

Response Elements

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

The following data is returned in JSON format by the service.
PlanId (p. 48)

The plan identifier.

Type: String

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

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

PlanName (p. 48)

The name of the plan.

Type: String

ProvisionedProductName (p. 48)

The user-friendly name of the provisioned product.

Type: String


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

ProvisioningArtifactId (p. 48)

The identifier of the provisioning artifact.

Type: String

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

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

ProvisionProductId (p. 48)

The product identifier.

Type: String

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

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

Errors

InvalidParametersException

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

HTTP Status Code: 400

InvalidStateException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.
HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreateProvisioningArtifact

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

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 51)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**IdempotencyToken (p. 51)**

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

Type: String


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

Required: Yes

**Parameters (p. 51)**

The configuration for the provisioning artifact.

Type: `ProvisioningArtifactProperties (p. 278)` object

Required: Yes
Productld (p. 51)
The product identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_]*
Required: Yes

Response Syntax
{
  "Info": {
    "string": "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Guidance": "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. 52)
The URL of the CloudFormation template in Amazon S3, in JSON format.
Type: String to string map

ProvisioningArtifactDetail (p. 52)
Information about the provisioning artifact.
Type: ProvisioningArtifactDetail (p. 273) object

Status (p. 52)
The status of the current request.
Type: String
Valid Values: AVAILABLE | CREATING | FAILED

Errors

InvalidParametersException
One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

**LimitExceededException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

## Example

### To create a provisioning artifact

The following shows an example JSON request.

**Sample Request**

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

### See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreateServiceAction

Creates a self-service action.

Request Syntax

```
{
  "AcceptLanguage": "string",
  "Definition": {
    "string" : "string"
  },
  "DefinitionType": "string",
  "Description": "string",
  "IdempotencyToken": "string",
  "Name": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 54)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

Definition (p. 54)

The self-service action definition. Can be one of the following:

Name

The name of the AWS Systems Manager document (SSM document). For example, AWS-RestartEC2Instance.

If you are using a shared SSM document, you must provide the ARN instead of the name.

Version

The AWS Systems Manager automation document version. For example, "Version": "1"

AssumeRole

The Amazon Resource Name (ARN) of the role that performs the self-service actions on your behalf. For example, "AssumeRole": "arn:aws:iam::12345678910:role/ActionRole".

To reuse the provisioned product launch role, set to "AssumeRole": "LAUNCH_ROLE".

Parameters

The list of parameters in JSON format.

For example: [{"Name": "InstanceId", "Type": "TARGET"}] or [{"Name": "InstanceId", "Type": "TEXT_VALUE"}].
Type: String to string map

Valid Keys: Name | Version | AssumeRole | Parameters


Required: Yes

**DefinitionType (p. 54)**

The service action definition type. For example, SSM_AUTOMATION.

Type: String

Valid Values: SSM_AUTOMATION

Required: Yes

**Description (p. 54)**

The self-service action description.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

**IdempotencyToken (p. 54)**

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

Type: String


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

Required: Yes

**Name (p. 54)**

The self-service action name.

Type: String

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

Pattern: ^[a-zA-Z0-9_\-\.]*$

Required: Yes

**Response Syntax**

```json
{
    "ServiceActionDetail": {
        "Definition": {
            "string" : "string"
        },
        "ServiceActionSummary": {
            "DefinitionType": "string",
            "Description": "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.

ServiceActionDetail (p. 55)

An object containing information about the self-service action.

Type: ServiceActionDetail (p. 298) object

Errors

InvalidParametersException

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

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreateTagOption

Creates a TagOption.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**Key (p. 57)**

The TagOption key.

Type: String


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

Required: Yes

**Value (p. 57)**

The TagOption value.

Type: String

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

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

Required: Yes

Response Syntax

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

Response Elements

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

The following data is returned in JSON format by the service.
TagOptionDetail (p. 57)

Information about the TagOption.

Type: TagOptionDetail (p. 304) object

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

LimitExceededException

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

HTTP Status Code: 400

TagOptionNotMigratedException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteConstraint

Deletes the specified constraint.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 59)

  The language code.
  • en - English (default)
  • jp - Japanese
  • zh - Chinese
  
  Type: String
  
  Length Constraints: Maximum length of 100.

  Required: No

Id (p. 59)

  The identifier of the constraint.

  Type: String

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

  Pattern: ^[a-zA-Z0-9_\-]*$

  Required: Yes

Response Elements

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

Errors

InvalidParametersException

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

  HTTP Status Code: 400

ResourceNotFoundException

  The specified resource was not found.

  HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeletePortfolio

Deletes the specified portfolio.

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 61)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Id (p. 61)**

The portfolio identifier.

Type: String

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

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

Required: Yes

Response Elements

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

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceInUseException**

A resource that is currently in use. Ensure that the resource is not in use and retry the operation.
HTTP Status Code: 400
**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400
**TagOptionNotMigratedException**

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

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeletePortfolioShare

Stops sharing the specified portfolio with the specified account or organization node. Shares to an organization node can only be deleted by the master account of an Organization.

Request Syntax

```json
{
   "AcceptLanguage": "string",
   "AccountId": "string",
   "OrganizationNode": {
      "Type": "string",
      "Value": "string"
   },
   "PortfolioId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 63)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String
Length Constraints: Maximum length of 100.
Required: No

**AccountId (p. 63)**

The AWS account ID.

Type: String
Pattern: ^[0-9]{12}$
Required: No

**OrganizationNode (p. 63)**

The organization node to whom you are going to stop sharing.

Type: OrganizationNode (p. 250) object
Required: No

**PortfolioId (p. 63)**

The portfolio identifier.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_]*
Required: Yes

Response Syntax

```json
{
    "PortfolioShareToken": "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.

**PortfolioShareToken (p. 64)**

The portfolio share unique identifier. This will only be returned if delete is made to an organization node.

- Type: String
- Pattern: ^[a-zA-Z0-9_\-]*

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**InvalidStateException**

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

HTTP Status Code: 400

**OperationNotSupportedException**

The operation is not supported.

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteProduct

Deletes the specified product.

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 66)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

Id (p. 66)

The product identifier.

Type: String

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

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

Required: Yes

Response Elements

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

Errors

InvalidParametersException

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

HTTP Status Code: 400

ResourceInUseException

A resource that is currently in use. Ensure that the resource is not in use and retry the operation.
HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**TagOptionNotMigratedException**

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

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteProvisionedProductPlan

Deletes the specified plan.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 68)

  The language code.
  • en - English (default)
  • jp - Japanese
  • zh - Chinese

  Type: String

  Length Constraints: Maximum length of 100.

  Required: No

IgnoreErrors (p. 68)

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

  Type: Boolean

  Required: No

PlanId (p. 68)

  The plan identifier.

  Type: String

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

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

  Required: Yes

Response Elements

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

Errors

InvalidParametersException

  One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteProvisioningArtifact

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

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 70)

The language code.
  • en - English (default)
  • jp - Japanese
  • zh - Chinese

Type: String
Length Constraints: Maximum length of 100.
Required: No

ProductId (p. 70)

The product identifier.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9\-_]*
Required: Yes

ProvisioningArtifactId (p. 70)

The identifier of the provisioning artifact.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9\-_]*
Required: Yes

Response Elements

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

InvalidParametersException

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

HTTP Status Code: 400

ResourceInUseException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteServiceAction

Deletes a self-service action.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 72)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String
Length Constraints: Maximum length of 100.
Required: No

Id (p. 72)

The self-service action identifier. For example, act-fs7abcd89wxyz.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_]*
Required: Yes

Response Elements

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

Errors

ResourceInUseException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteTagOption

Deletes the specified TagOption.

You cannot delete a TagOption if it is associated with a product or portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

Id (p. 74)

The TagOption identifier.

Type: String

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

Required: Yes

Response Elements

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

Errors

ResourceInUseException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
DescribeConstraint

Gets information about the specified constraint.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage** (p. 76)

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Id** (p. 76)

The identifier of the constraint.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
   "ConstraintDetail": {
      "ConstraintId": "string",
      "Description": "string",
      "Owner": "string",
      "PortfolioId": "string",
      "ProductId": "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. 76)**

Information about the constraint.
Type: `ConstraintDetail (p. 241)` object

**ConstraintParameters (p. 76)**

The constraint parameters.
Type: `String`

**Status (p. 76)**

The status of the current request.
Type: `String`

Valid Values: AVAILABLE | CREATING | FAILED

**Errors**

**ResourceNotFoundException**

The specified resource was not found.
HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeCopyProductStatus

Gets the status of the specified copy product operation.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 78)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**CopyProductToken (p. 78)**

The token for the copy product operation. This token is returned by CopyProduct (p. 28).

Type: String

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

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

Required: Yes

Response Syntax

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

Response Elements

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

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

**CopyProductStatus (p. 78)**

The status of the copy product operation.
DescribeCopyProductStatus

Type: String

Valid Values: SUCCEEDED | IN_PROGRESS | FAILED

**StatusDetail (p. 78)**

The status message.

Type: String

**TargetProductId (p. 78)**

The identifier of the copied product.

Type: String

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

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

**Errors**

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribePortfolio

Gets information about the specified portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 80)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

Id (p. 80)

The portfolio identifier.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
    "Budgets": [
        {
            "BudgetName": "string"
        }
    ],
    "PortfolioDetail": {
        "ARN": "string",
        "CreatedTime": number,
        "Description": "string",
        "DisplayName": "string",
        "Id": "string",
        "ProviderName": "string"
    },
    "TagOptions": [
    
```
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.

**Budgets (p. 80)**

Information about the associated budgets.

Type: Array of BudgetDetail (p. 239) objects

**PortfolioDetail (p. 80)**

Information about the portfolio.

Type: PortfolioDetail (p. 252) object

**TagOptions (p. 80)**

Information about the TagOptions associated with the portfolio.

Type: Array of TagOptionDetail (p. 304) objects

**Tags (p. 80)**

Information about the tags associated with the portfolio.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Errors

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
AWS SDK for C++
AWS SDK for Go
AWS SDK for Java
AWS SDK for JavaScript
AWS SDK for PHP V3
AWS SDK for Python
AWS SDK for Ruby V3
DescribePortfolioShareStatus

Gets the status of the specified portfolio share operation. This API can only be called by the master account in the organization.

Request Syntax

```
{
    "PortfolioShareToken": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**PortfolioShareToken (p. 83)**

The token for the portfolio share operation. This token is returned either by CreatePortfolioShare or by DeletePortfolioShare.

Type: String

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

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

Required: Yes

Response Syntax

```
{
    "OrganizationNodeValue": "string",
    "PortfolioId": "string",
    "PortfolioShareToken": "string",
    "ShareDetails": {
        "ShareErrors": [
            {
                "Accounts": [ "string" ],
                "Error": "string",
                "Message": "string"
            }
        ],
        "SuccessfulShares": [ "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.

**OrganizationNodeValue (p. 83)**

Organization node identifier. It can be either account id, organizational unit id or organization id.

Type: String
DescribePortfolioShareStatus

Pattern: (^[0-9]{12}$)|(^arn:aws:organizations::\d{12}:organization/o-[a-z0-9]{10,32})|(^o-[a-z0-9]{10,32})|(^arn:aws:organizations::\d{12}:ou/o-[a-z0-9]{10,32}\/ou-[0-9a-z]{4,32}-[0-9a-z]{8,32})|(^ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}$)

PortfolioId (p. 83)

The portfolio identifier.

Type: String

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

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

PortfolioShareToken (p. 83)

The token for the portfolio share operation. For example, share-6v24abcdefghi.

Type: String

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

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

ShareDetails (p. 83)

Information about the portfolio share operation.

Type: ShareDetails (p. 300) object

Status (p. 83)

Status of the portfolio share operation.

Type: String

Valid Values: NOT_STARTED | IN_PROGRESS | COMPLETED | COMPLETED_WITH_ERRORS | ERROR

Errors

InvalidParametersException

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

HTTP Status Code: 400

OperationNotSupportedException

The operation is not supported.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
DescribeProduct

Gets information about the specified product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 86)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Id (p. 86)**

The product identifier.

Type: String

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

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

Required: Yes

Response Syntax

```
{
  "Budgets": [  
    {  
      "BudgetName": "string"
    }  
  ],
  "ProductViewSummary": {  
    "Distributor": "string",
    "HasDefaultPath": boolean,
    "Id": "string",
    "Name": "string",
    "Owner": "string",
    "ProductId": "string",
    "ShortDescription": "string",
    "SupportDescription": "string",
}
```

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"SupportEmail": "string",
"SupportUrl": "string",
"Type": "string"
},
"ProvisioningArtifacts": [ 
  
    
  ]
}]

**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.

**Budgets (p. 86)**

Information about the associated budgets.

Type: Array of BudgetDetail (p. 239) objects

**ProductViewSummary (p. 86)**

Summary information about the product view.

Type: ProductViewSummary (p. 257) object

**ProvisioningArtifacts (p. 86)**

Information about the provisioning artifacts for the specified product.

Type: Array of ProvisioningArtifact (p. 271) objects

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
DescribeProductAsAdmin

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 89)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

Id (p. 89)

The product identifier.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
  "Budgets": [
    {
      "BudgetName": "string"
    },
  ],
  "ProductViewDetail": {
    "CreatedTime": number,
    "ProductARN": "string",
    "ProductViewSummary": {
      "Distributor": "string",
      "HasDefaultPath": boolean,
      "Id": "string",
      "Name": "string",
      "Owner": "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.

**Budgets (p. 89)**

Information about the associated budgets.

Type: Array of **BudgetDetail (p. 239)** objects

**ProductViewDetail (p. 89)**

Information about the product view.

Type: **ProductViewDetail (p. 256)** object

**ProvisioningArtifactSummaries (p. 89)**

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

Type: Array of **ProvisioningArtifactSummary (p. 280)** objects

**TagOptions (p. 89)**

Information about the TagOptions associated with the product.

Type: Array of **TagOptionDetail (p. 304)** objects
**Tags (p. 89)**

Information about the tags associated with the product.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

**Errors**

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeProductView

Gets information about the specified product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 92)**

- The language code.
- • en - English (default)
- • jp - Japanese
- • zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Id (p. 92)**

- The product view identifier.

Type: String

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

Pattern: ^[a-zA-Z0-9_\-\_]*$

Required: Yes

Response Syntax

```json
{
    "ProductViewSummary": {
        "Distributor": "string",
        "HasDefaultPath": boolean,
        "Id": "string",
        "Name": "string",
        "Owner": "string",
        "ProductId": "string",
        "ShortDescription": "string",
        "SupportDescription": "string",
        "SupportEmail": "string",
        "SupportUrl": "string",
        "Type": "string"
    },
    "ProvisioningArtifacts": [}
```
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. 92)**

Summary information about the product.

Type: ProductViewSummary (p. 257) object

**ProvisioningArtifacts (p. 92)**

Information about the provisioning artifacts for the product.

Type: Array of ProvisioningArtifact (p. 271) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeProvisionedProduct

Gets information about the specified provisioned product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 94)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Id (p. 94)**

The provisioned product identifier.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
   "CloudWatchDashboards": [
      {
         "Name": "string"
      }
   ],
   "ProvisionedProductDetail": {
      "Arn": "string",
      "CreatedTime": number,
      "Id": "string",
      "IdempotencyToken": "string",
      "LastRecordId": "string",
      "Name": "string",
      "ProductId": "string",
      "ProvisioningArtifactId": "string",
```

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Response Elements

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

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

**CloudWatchDashboards (p. 94)**

Any CloudWatch dashboards that were created when provisioning the product.

Type: Array of CloudWatchDashboard (p. 240) objects

**ProvisionedProductDetail (p. 94)**

Information about the provisioned product.

Type: ProvisionedProductDetail (p. 263) object

Errors

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
**DescribeProvisionedProductPlan**

Gets information about the resource changes for the specified plan.

**Request Syntax**

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

**Request Parameters**

The request accepts the following data in JSON format.

- **AcceptLanguage (p. 96)**
  
  The language code.
  
  - en - English (default)
  
  - jp - Japanese
  
  - zh - Chinese

  Type: String

  Length Constraints: Maximum length of 100.

  Required: No

- **PageSize (p. 96)**
  
  The maximum number of items to return with this call.

  Type: Integer

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

  Required: No

- **PageToken (p. 96)**
  
  The page token for the next set of results. To retrieve the first set of results, use null.

  Type: String

  Length Constraints: Maximum length of 2024.

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

  Required: No

- **PlanId (p. 96)**
  
  The plan identifier.

  Type: String

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

  Pattern: ^[a-zA-Z0-9-\_]*
Required: Yes

Response Syntax

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

Response Elements

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

The following data is returned in JSON format by the service.
**NextPageToken (p. 97)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**ProvisionedProductPlanDetails (p. 97)**

Information about the plan.

Type: `ProvisionedProductPlanDetails (p. 266)` object

**ResourceChanges (p. 97)**

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

Type: Array of `ResourceChange (p. 292)` objects

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeProvisioningArtifact

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 99)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

ProductId (p. 99)

The product identifier.

Type: String

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

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

Required: Yes

ProvisioningArtifactId (p. 99)

The identifier of the provisioning artifact.

Type: String

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

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

Required: Yes

Verbose (p. 99)

Indicates whether a verbose level of detail is enabled.

Type: Boolean
DescribeProvisioningArtifact

Required: No

Response Syntax

```
{
   "Info": {
      "string" : "string"
   },
   "ProvisioningArtifactDetail": {
      "Active": boolean,
      "CreatedTime": number,
      "Description": "string",
      "Guidance": "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. 100)**

The URL of the CloudFormation template in Amazon S3.

Type: String to string map

**ProvisioningArtifactDetail (p. 100)**

Information about the provisioning artifact.

Type: ProvisioningArtifactDetail (p. 273) object

**Status (p. 100)**

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Errors

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
DescribeProvisioningParameters

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

If the output contains a TagOption key with an empty list of values, there is a TagOption conflict for that key. The end user cannot take action to fix the conflict, and launch is not blocked. In subsequent calls to ProvisionProduct (p. 184), do not include conflicted TagOption keys as tags, or this causes the error "Parameter validation failed: Missing required parameter in Tags[\N]:Value". Tag the provisioned product with the value sc-tagoption-conflict-portfolioId-productId.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 102)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PathId (p. 102)**

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use ListLaunchPaths (p. 142).

Type: String

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

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

Required: No

**ProductId (p. 102)**

The product identifier.

Type: String

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

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

Required: Yes

ProvisioningArtifactId (p. 102)

The identifier of the provisioning artifact.

Type: String

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

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

Required: Yes

Response Syntax

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

Response Elements

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

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

ConstraintSummaries (p. 103)

Information about the constraints used to provision the product.
DescribeProvisioningParameters

Type: Array of ConstraintSummary (p. 243) objects

ProvisioningArtifactParameters (p. 103)

Information about the parameters used to provision the product.

Type: Array of ProvisioningArtifactParameter (p. 275) objects

ProvisioningArtifactPreferences (p. 103)

An object that contains information about preferences, such as regions and accounts, for the provisioning artifact.

Type: ProvisioningArtifactPreferences (p. 277) object

TagOptions (p. 103)

Information about the TagOptions associated with the resource.

Type: Array of TagOptionSummary (p. 305) objects

UsageInstructions (p. 103)

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. 310) objects

Errors

InvalidParametersException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeRecord

Gets information about the specified request operation.

Use this operation after calling a request operation (for example, ProvisionProduct (p. 184), TerminateProvisionedProduct (p. 206), or UpdateProvisionedProduct (p. 221)).

**Note**
If a provisioned product was transferred to a new owner using UpdateProvisionedProductProperties (p. 225), the new owner will be able to describe all past records for that product. The previous owner will no longer be able to describe the records, but will be able to use ListRecordHistory (p. 167) to see the product's history from when he was the owner.

**Request Syntax**

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

**Request Parameters**

The request accepts the following data in JSON format.

**AcceptLanguage (p. 105)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Id (p. 105)**

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

Type: String

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

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

Required: Yes

**PageSize (p. 105)**

The maximum number of items to return with this call.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 20.
Required: No

**PageToken (p. 105)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

**Response Syntax**

```json
{
    "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. 106)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\	\u000a\u000d\u0020-퟿\xE000-�]*

RecordDetail (p. 106)

Information about the product.

Type: RecordDetail (p. 286) object

RecordOutputs (p. 106)

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

Type: Array of RecordOutput (p. 290) objects

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeServiceAction

Describes a self-service action.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 108)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

Id (p. 108)

The self-service action identifier.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
  "ServiceActionDetail": {
    "Definition": {
      "string": "string"
    },
    "ServiceActionSummary": {
      "DefinitionType": "string",
      "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.

**ServiceActionDetail (p. 108)**

- Detailed information about the self-service action.

  Type: `ServiceActionDetail (p. 298)` object

Errors

**ResourceNotFoundException**

- The specified resource was not found.

  HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeServiceActionExecutionParameters

Finds the default parameters for a specific self-service action on a specific provisioned product and returns a map of the results to the user.

Request Syntax

```
{
   "AcceptLanguage": "string",
   "ProvisionedProductId": "string",
   "ServiceActionId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 110)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

ProvisionedProductId (p. 110)

The identifier of the provisioned product.

Type: String

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

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

Required: Yes

ServiceActionId (p. 110)

The self-service action identifier.

Type: String

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

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

Required: Yes

Response Syntax

```
{
}
```
"ServiceActionParameters": [
    {
        "DefaultValues": [ "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.

**ServiceActionParameters (p. 110)**

The parameters of the self-service action.

Type: Array of ExecutionParameter (p. 244) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeTagOption

Gets information about the specified TagOption.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

Id (p. 112)

The TagOption identifier.

Type: String

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

Required: Yes

Response Syntax

```json
{
    "TagOptionDetail": {
        "Active": boolean,
        "Id": "string",
        "Key": "string",
        "Value": "string"
    }
}
```

Response Elements

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

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

TagOptionDetail (p. 112)

Information about the TagOption.

Type: TagOptionDetail (p. 304) object

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400
**TagOptionNotMigratedException**

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

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DisableAWSOrganizationsAccess

Disable portfolio sharing through AWS Organizations feature. This feature will not delete your current shares but it will prevent you from creating new shares throughout your organization. Current shares will not be in sync with your organization structure if it changes after calling this API. This API can only be called by the master account in the organization.

Response Elements

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

Errors

InvalidStateException

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

HTTP Status Code: 400

OperationNotSupportedException

The operation is not supported.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DisassociateBudgetFromResource

Disassociates the specified budget from the specified resource.

Request Syntax

```json
{
   "BudgetName": "string",
   "ResourceId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**BudgetName (p. 115)**

The name of the budget you want to disassociate.

Type: String

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

Required: Yes

**ResourceId (p. 115)**

The resource identifier you want to disassociate from. Either a portfolio-id or a product-id.

Type: String

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

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

Required: Yes

Response Elements

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

Errors

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
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. 117)**

The language code.
- **en** - English (default)
- **jp** - Japanese
- **zh** - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PortfolioId (p. 117)**

The portfolio identifier.

Type: String

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

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

Required: Yes

**PrincipalARN (p. 117)**

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

Type: String

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

Required: Yes

Response Elements

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

Errors

**InvalidParametersException**

One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
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. 119)**

- The language code.
  - en - English (default)
  - jp - Japanese
  - zh - Chinese
  
  Type: String
  
  Length Constraints: Maximum length of 100.
  
  Required: No

**PortfolioId (p. 119)**

- The portfolio identifier.
  
  Type: String
  
  Length Constraints: Minimum length of 1. Maximum length of 100.
  
  Pattern: ^[a-zA-Z0-9-_]*
  
  Required: Yes

**ProductId (p. 119)**

- The product identifier.
  
  Type: String
  
  Length Constraints: Minimum length of 1. Maximum length of 100.
  
  Pattern: ^[a-zA-Z0-9-_]*
  
  Required: Yes

Response Elements

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

InvalidParametersException

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

HTTP Status Code: 400

ResourceInUseException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DisassociateServiceActionFromProvisioningArtifact

Disassociates the specified self-service action association from the specified provisioning artifact.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 121)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

ProductId (p. 121)

The product identifier. For example, prod-abcdzk7xy33qa.

Type: String

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

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

Required: Yes

ProvisioningArtifactId (p. 121)

The identifier of the provisioning artifact. For example, pa-4abcdjnxjj6ne.

Type: String

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

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

Required: Yes

ServiceActionId (p. 121)

The self-service action identifier. For example, act-fs7abcd89wxyz.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*

Required: Yes

**Response Elements**

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

**Errors**

`ResourceNotFoundException`

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DisassociateTagOptionFromResource

Disassociates the specified TagOption from the specified resource.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

ResourceId (p. 123)

  The resource identifier.
  
  Type: String
  
  Required: Yes

TagOptionId (p. 123)

  The TagOption identifier.
  
  Type: String
  
  Length Constraints: Minimum length of 1. Maximum length of 100.
  
  Required: Yes

Response Elements

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

Errors

ResourceNotFoundException

  The specified resource was not found.
  
  HTTP Status Code: 400

TagOptionNotMigratedException

  An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Please use the AWS console to perform the migration process before retrying the operation.
  
  HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
EnableAWSOrganizationsAccess

Enable portfolio sharing feature through AWS Organizations. This API will allow Service Catalog to receive updates on your organization in order to sync your shares with the current structure. This API can only be called by the master account in the organization.

By calling this API Service Catalog will make a call to organizations:EnableAWSServiceAccess on your behalf so that your shares can be in sync with any changes in your AWS Organizations structure.

Response Elements

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

Errors

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

HTTP Status Code: 400

OperationNotSupportedException
The operation is not supported.

HTTP Status Code: 400

ResourceNotFoundException
The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ExecuteProvisionedProductPlan

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 126)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**IdempotencyToken (p. 126)**

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

Type: String


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

Required: Yes

**PlanId (p. 126)**

The plan identifier.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
    "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. 126)

Information about the result of provisioning the product.

Type: RecordDetail (p. 286) object

Errors

InvalidParametersException

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

HTTP Status Code: 400

InvalidStateException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
ExecuteProvisionedProductServiceAction

Executes a self-service action against a provisioned product.

Request Syntax

```json
{
  "AcceptLanguage": "string",
  "ExecuteToken": "string",
  "Parameters": {
    "string" : [ "string" ]
  },
  "ProvisionedProductId": "string",
  "ServiceActionId": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 129)**

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**ExecuteToken (p. 129)**

An idempotency token that uniquely identifies the execute request.

Type: String


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

Required: Yes

**Parameters (p. 129)**

A map of all self-service action parameters and their values. If a provided parameter is of a special type, such as `TARGET`, the provided value will override the default value generated by AWS Service Catalog. If the parameters field is not provided, no additional parameters are passed and default values will be used for any special parameters such as `TARGET`.

Type: String to array of strings map

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

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 0. Maximum length of 512.
Required: No

**ProvisionedProductId (p. 129)**

The identifier of the provisioned product.

Type: String

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

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

Required: Yes

**ServiceActionId (p. 129)**

The self-service action identifier. For example, act-fs7abcd89wxyz.

Type: String

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

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

Required: Yes

**Response Syntax**

```json
{
    "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. 130)

An object containing detailed information about the result of provisioning the product.

Type: RecordDetail (p. 286) object

Errors

InvalidParametersException

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

HTTP Status Code: 400

InvalidStateException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
GetAWSOrganizationsAccessStatus

Get the Access Status for AWS Organization portfolio share feature. This API can only be called by the master account in the organization.

Response Syntax

```
{
   "AccessStatus": "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.

AccessStatus (p. 132)

The status of the portfolio share feature.

Type: String

Valid Values: ENABLED | UNDER_CHANGE | DISABLED

Errors

OperationNotSupportedException

The operation is not supported.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListAcceptedPortfolioShares

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 133)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PageSize (p. 133)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 133)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: `[u0009\u000a\u000d\u0020-\u0DFF\uE000-\uFFFD]*`

Required: No

**PortfolioShareType (p. 133)**

The type of shared portfolios to list. The default is to list imported portfolios.
- AWS_ORGANIZATIONS - List portfolios shared by the master account of your organization
- AWS_SERVICECATALOG - List default portfolios
- IMPORTED - List imported portfolios
ListAcceptedPortfolioShares

Type: String

Valid Values: IMPORTED | AWS_SERVICECATALOG | AWS_ORGANIZATIONS

Required: No

Response Syntax

```json
{
  "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. 134)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: \[\u0009\u000a\u000d\u0020-\uD7FF\xE000-\xFFFD]*

**PortfolioDetails (p. 134)**

Information about the portfolios.

Type: Array of PortfolioDetail (p. 252) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**OperationNotSupportedException**

The operation is not supported.

HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListBudgetsForResource

Lists all the budgets associated to the specified resource.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 136)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PageSize (p. 136)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 136)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

**ResourceId (p. 136)**

The resource identifier.

Type: String

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

Pattern: ^[a-zA-Z0-9\-\_]*
Required: Yes

**Response Syntax**

```json
{
   "Budgets": [
      {
         "BudgetName": "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.

**Budgets (p. 137)**

Information about the associated budgets.

Type: Array of BudgetDetail (p. 239) objects

**NextPageToken (p. 137)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: `[	\u000a\u000d\u0020-퟿-�]*`

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListConstraintsForPortfolio

Lists the constraints for the specified portfolio and product.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 139)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PageSize (p. 139)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 139)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

**PortfolioId (p. 139)**

The portfolio identifier.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*

Required: Yes

**ProductId (p. 139)**

The product identifier.

Type: String

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

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

Required: No

### Response Syntax

```json
{
    "ConstraintDetails": [
        {
            "ConstraintId": "string",
            "Description": "string",
            "Owner": "string",
            "PortfolioId": "string",
            "ProductId": "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. 140)**

Information about the constraints.

Type: Array of **ConstraintDetail (p. 241)** objects

**NextPageToken (p. 140)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\u0009\u000a\u000d\u0020-퟿-�]*

### Errors

**InvalidParametersException**

One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListLaunchPaths

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 142)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

PageSize (p. 142)

The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 142)

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

ProductId (p. 142)

The product identifier.

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

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

Required: Yes

Response Syntax

```json
{
  "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. 143)**

Information about the launch path.

Type: Array of LaunchPathSummary (p. 247) objects

**NextPageToken (p. 143)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\u0000-\u001f\u007f\u00D1\u00D7\u00E0-\u00FF\u0370-\u03FF\u1680-\u16FF\u1DC0-\u1DFF\u2000-\u206F\u2070-\u219F\u2C00-\u2FFD\u0370-\u03FF]*

Errors

**InvalidParametersException**

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

HTTP Status Code: 400
ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListOrganizationPortfolioAccess

Lists the organization nodes that have access to the specified portfolio. This API can only be called by the master account in the organization.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 145)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**OrganizationNodeType (p. 145)**

The organization node type that will be returned in the output.
- ORGANIZATION - Organization that has access to the portfolio.
- ORGANIZATIONAL_UNIT - Organizational unit that has access to the portfolio within your organization.
- ACCOUNT - Account that has access to the portfolio within your organization.

Type: String

Valid Values: ORGANIZATION | ORGANIZATIONAL_UNIT | ACCOUNT

Required: Yes

**PageSize (p. 145)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 145)**

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

Type: String
Length Constraints: Maximum length of 2024.
Pattern: [\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*
Required: No

PortfolioId (p. 145)

The portfolio identifier. For example, port-2abcdext3y5fk.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_-]*
Required: Yes

Response Syntax

```json
{
  "NextPageToken": "string",
  "OrganizationNodes": [
    {
      "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.

NextPageToken (p. 146)

The page token to use to retrieve the next set of results. If there are no additional results, this value is null.
Type: String
Length Constraints: Maximum length of 2024.
Pattern: [\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*

OrganizationNodes (p. 146)

Displays information about the organization nodes.
Type: Array of OrganizationNode (p. 250) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

**OperationNotSupportedException**

The operation is not supported.

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListPortfolioAccess

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 148)

- The language code.
  - en - English (default)
  - jp - Japanese
  - zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

OrganizationParentId (p. 148)

- The ID of an organization node the portfolio is shared with. All children of this node with an inherited portfolio share will be returned.

Type: String

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

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

Required: No

PageSize (p. 148)

- The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 148)

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

Type: String

Length Constraints: Maximum length of 2024.
Pattern: [\u0009\u000a\u000d\u0020-퟿\xE000-�]*

Required: No

**PortfolioId (p. 148)**

The portfolio identifier.

Type: String

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

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

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. 149)**

Information about the AWS accounts with access to the portfolio.

Type: Array of strings

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

**NextPageToken (p. 149)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\u0009\u000a\u000d\u0020-\uD7FF\xE000-\uFFFD]*

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.
HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListPortfolios

Lists all portfolios in the catalog.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 151)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PageSize (p. 151)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 151)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: `[\u0009\u000a\u000d\u0020-퟿-�]*`

Required: No

Response Syntax

```json
{
    "NextPageToken": "string",
    "PortfolioDetails": [
        { "ARN": "string",
```

151
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. 151)

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\u0009\u000a\u000d\u0020-퟿-�]*

PortfolioDetails (p. 151)

Information about the portfolios.

Type: Array of PortfolioDetail (p. 252) objects

Errors

InvalidParametersException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
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. 153)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String
Length Constraints: Maximum length of 100.
Required: No

PageSize (p. 153)

The maximum number of items to return with this call.

Type: Integer
Valid Range: Minimum value of 0. Maximum value of 20.
Required: No

PageToken (p. 153)

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

Type: String
Length Constraints: Maximum length of 2024.
Pattern: ^[^\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*$  
Required: No

ProductId (p. 153)

The product identifier.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9\-\_]*$
Response Syntax

```json
{
    "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. 154)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**PortfolioDetails (p. 154)**

Information about the portfolios.

Type: Array of PortfolioDetail (p. 252) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
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. 156)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

PageSize (p. 156)

The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 156)

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

PortfolioId (p. 156)

The portfolio identifier.

Type: String

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

Pattern: ^[a-zA-Z0-9-_]*
Required: Yes

Response Syntax

```json
{
   "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. 157)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**Principals (p. 157)**

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

Type: Array of Principal (p. 254) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
ListProvisionedProductPlans

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 159)

- The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

AccessLevelFilter (p. 159)

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

Type: AccessLevelFilter (p. 238) object

Required: No

PageSize (p. 159)

- The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 159)

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\u0009\u000a\u000d\u0020-퟿-�]*
Required: No

**ProvisionProductId (p. 159)**

The product identifier.

Type: String

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

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

Required: No

**Response Syntax**

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

**Response Elements**

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

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

**NextPageToken (p. 160)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [\u0009\u000a\u000d\u0020-퟿-�]*

**ProvisionedProductPlans (p. 160)**

Information about the plans.

Type: Array of **ProvisionedProductPlanSummary (p. 269)** objects

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400
ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListProvisioningArtifacts

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 162)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**ProductId (p. 162)**

The product identifier.

Type: String

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

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

Required: Yes

Response Syntax

```json
{
   "NextPageToken": "string",
   "ProvisioningArtifactDetails": [
      {
         "Active": boolean,
         "CreatedTime": number,
         "Description": "string",
         "Guidance": "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. 162)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [	
 -퟿-�]*

**ProvisioningArtifactDetails (p. 162)**

Information about the provisioning artifacts.

Type: Array of ProvisioningArtifactDetail (p. 273) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListProvisioningArtifactsForServiceAction

Lists all provisioning artifacts (also known as versions) for the specified self-service action.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 164)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

PageSize (p. 164)

The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 164)

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

ServiceActionId (p. 164)

The self-service action identifier. For example, act-fa7abcd89wxyz.

Type: String

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

Pattern: ^[a-zA-Z0-9\-\_\~]*
Response Syntax

```json
{
   "NextPageToken": "string",
   "ProvisioningArtifactViews": [
      {
         "ProductViewSummary": {
            "Distributor": "string",
            "HasDefaultPath": boolean,
            "Id": "string",
            "Name": "string",
            "Owner": "string",
            "ProductId": "string",
            "ShortDescription": "string",
            "SupportDescription": "string",
            "SupportEmail": "string",
            "SupportUrl": "string",
            "Type": "string"
         },
         "ProvisioningArtifact": {
            "CreatedTime": number,
            "Description": "string",
            "Guidance": "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.

**NextPageToken (p. 165)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**ProvisioningArtifactViews (p. 165)**

An array of objects with information about product views and provisioning artifacts.

Type: Array of ProvisioningArtifactView (p. 281) objects

Errors

InvalidParametersException

One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListRecordHistory

Lists the specified requests or all performed requests.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 167)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

AccessLevelFilter (p. 167)

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

Type: AccessLevelFilter (p. 238) object

Required: No

PageSize (p. 167)

The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 167)

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

Type: String
Length Constraints: Maximum length of 2024.

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

Required: No

**SearchFilter (p. 167)**

The search filter to scope the results.

Type: ListRecordHistorySearchFilter (p. 248) object

Required: No

**Response Syntax**

```json
{
  "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. 168)**

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

Type: String

Length Constraints: Maximum length of 2024.
Pattern: \[u0009u000au000du0020u002DuD7FFuE000uFFFD]*

**RecordDetails (p. 168)**

The records, in reverse chronological order.

Type: Array of **RecordDetail (p. 286)** objects

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListResourcesForTagOption

Lists the resources associated with the specified TagOption.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**PageSize (p. 170)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 170)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: \\	
 -퟿-�]*

Required: No

**ResourceType (p. 170)**

The resource type.

- Portfolio
- Product

Type: String

Required: No

**TagOptionId (p. 170)**

The TagOption identifier.

Type: String

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

Required: Yes
Response Syntax

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

Response Elements

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

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

**PageToken (p. 171)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: `[\u0009\u000a\u000d\u0020-퟿-�]*`

**ResourceDetails (p. 171)**

Information about the resources.

Type: Array of ResourceDetail (p. 295) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**TagOptionNotMigratedException**

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

HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListServiceActions

Lists all self-service actions.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 173)**

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PageSize (p. 173)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 173)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

Response Syntax

```json
{
  "NextPageToken": "string",
  "ServiceActionSummaries": [
    {
      "DefinitionType": "string",
    }
  ]
}
```
"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.

NextPageToken (p. 173)

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

Type: String

Length Constraints: Maximum length of 2024.

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

ServiceActionSummaries (p. 173)

An object containing information about the service actions associated with the provisioning artifact.

Type: Array of ServiceActionSummary (p. 299) objects

Errors

InvalidParametersException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListServiceActionsForProvisioningArtifact

Returns a paginated list of self-service actions associated with the specified Product ID and Provisioning Artifact ID.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 175)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PageSize (p. 175)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 175)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

**ProductId (p. 175)**

The product identifier. For example, `prod-abcdzk7xy33qa`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*

Required: Yes

**ProvisioningArtifactId (p. 175)**

The identifier of the provisioning artifact. For example, `pa-4abcdjnxjj6ne`.

Type: String

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

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

Required: Yes

**Response Syntax**

```json
{
    "NextPageToken": "string",
    "ServiceActionSummaries": [
    {
        "DefinitionType": "string",
        "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.

**NextPageToken (p. 176)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [	
-퟿-�]*

**ServiceActionSummaries (p. 176)**

An object containing information about the self-service actions associated with the provisioning artifact.

Type: Array of ServiceActionSummary (p. 299) objects

**Errors**

**InvalidParametersException**

One or more parameters provided to the operation are not valid.
HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListStackInstancesForProvisionedProduct

Returns summary information about stack instances that are associated with the specified `CFN_STACKSET` type provisioned product. You can filter for stack instances that are associated with a specific AWS account name or region.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 178)

- The language code.
  - en - English (default)
  - jp - Japanese
  - zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

PageSize (p. 178)

- The maximum number of items to return with this call.

Type: Integer

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

Required: No

PageToken (p. 178)

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

Type: String

Length Constraints: Maximum length of 2024.

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

Required: No

ProvisionedProductId (p. 178)

- The identifier of the provisioned product.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_]*

Required: Yes

Response Syntax

```
{
  "NextPageToken": "string",
  "StackInstances": [
    {
      "Account": "string",
      "Region": "string",
      "StackInstanceStatus": "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. 179)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**StackInstances (p. 179)**

List of stack instances.

Type: Array of StackInstance (p. 302) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
• AWS Command Line Interface
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
ListTagOptions
Lists the specified TagOptions or all TagOptions.

Request Syntax

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

Request Parameters
The request accepts the following data in JSON format.

Filters (p. 181)
The search filters. If no search filters are specified, the output includes all TagOptions.
Type: ListTagOptionsFilters (p. 249) object
Required: No
PageSize (p. 181)
The maximum number of items to return with this call.
Type: Integer
Valid Range: Minimum value of 0. Maximum value of 20.
Required: No
PageToken (p. 181)
The page token for the next set of results. To retrieve the first set of results, use null.
Type: String
Length Constraints: Maximum length of 2024.
Pattern: [/u0009/u000a/u000d/u0020-\uD7FF\uE000-\uFFFF]*
Required: No

Response Syntax

```json
{
   "PageToken": "string",
   "TagOptionDetails": [
      {
         "Active": boolean,
         "Id": "string",
         "Key": "string",
         "Value": "string"
      }
   ]
}
```
"Value": "string"
  }
}

Response Elements

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

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

**PageToken (p. 181)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**TagOptionDetails (p. 181)**

Information about the TagOptions.

Type: Array of TagOptionDetail (p. 304) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**TagOptionNotMigratedException**

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ProvisionProduct

Provisions the specified product.

A provisioned product is a resourced instance of a product. For example, provisioning a product based on a CloudFormation template launches a CloudFormation stack and its underlying resources. You can check the status of this request using DescribeRecord (p. 105).

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

Request Syntax

```json
{
    "AcceptLanguage": "string",
    "NotificationArns": [ "string" ],
    "PathId": "string",
    "ProductId": "string",
    "ProvisionedProductName": "string",
    "ProvisioningArtifactId": "string",
    "ProvisioningParameters": [ {
        "Key": "string",
        "Value": "string"
    } ],
    "ProvisioningPreferences": {
        "StackSetAccounts": [ "string" ],
        "StackSetFailureToleranceCount": number,
        "StackSetFailureTolerancePercentage": number,
        "StackSetMaxConcurrencyCount": number,
        "StackSetMaxConcurrencyPercentage": number,
        "StackSetRegions": [ "string" ]
    },
    "ProvisionToken": "string",
    "Tags": [ {
        "Key": "string",
        "Value": "string"
    } ]
}
```

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 184)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.
**NotificationArns (p. 184)**

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.


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

**PathId (p. 184)**

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use `ListLaunchPaths (p. 142).`

Type: String

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

Pattern: `^[a-zA-Z0-9-\_\-]+$`

**ProductId (p. 184)**

The product identifier.

Type: String

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

Pattern: `^[a-zA-Z0-9-\_\-]+$`

**ProvisionedProductName (p. 184)**

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

Type: String


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

**ProvisioningArtifactId (p. 184)**

The identifier of the provisioning artifact.

Type: String

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

Pattern: `^[a-zA-Z0-9-\_\-]+$`
Required: Yes

**ProvisioningParameters (p. 184)**

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

Type: Array of ProvisioningParameter (p. 282) objects

Required: No

**ProvisioningPreferences (p. 184)**

An object that contains information about the provisioning preferences for a stack set.

Type: ProvisioningPreferences (p. 283) object

Required: No

**ProvisionToken (p. 184)**

An idempotency token that uniquely identifies the provisioning request.

Type: String


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

Required: Yes

**Tags (p. 184)**

One or more tags.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Required: No

**Response Syntax**

```json
{
    "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. 186)

Information about the result of provisioning the product.

Type: RecordDetail (p. 286) object

Errors

DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

InvalidParametersException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
RejectPortfolioShare

Rejects an offer to share the specified portfolio.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 188)**

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**PortfolioId (p. 188)**

The portfolio identifier.

Type: String

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

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

Required: Yes

**PortfolioShareType (p. 188)**

The type of shared portfolios to reject. The default is to reject imported portfolios.
- `AWS_ORGANIZATIONS` - Reject portfolios shared by the master account of your organization.
- `IMPORTED` - Reject imported portfolios.
- `AWS_SERVICECATALOG` - Not supported. (Throws ResourceNotFoundException.)

For example, `aws servicecatalog reject-portfolio-share --portfolio-id "port-2qwzkwx3t3y5fk" --portfolio-share-type AWS_ORGANIZATIONS`

Type: String

Valid Values: IMPORTED | AWS_SERVICECATALOG | AWS_ORGANIZATIONS

Required: No
Response Elements

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

Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ScanProvisionedProducts

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

To use additional filtering, see SearchProvisionedProducts (p. 202).

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. 190)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**AccessLevelFilter (p. 190)**

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

Type: AccessLevelFilter (p. 238) object

Required: No

**PageSize (p. 190)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 190)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: "[\u0009\u000a\u000d\u0020-\uD7FF\uE000-\uFFFD]*"
Required: No

Response Syntax

```json
{
   "NextPageToken": "string",
   "ProvisionedProducts": [
   {
      "Arn": "string",
      "CreatedTime": number,
      "Id": "string",
      "IdempotencyToken": "string",
      "LastRecordId": "string",
      "Name": "string",
      "ProductId": "string",
      "ProvisioningArtifactId": "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. 191)**

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

Type: String

Length Constraints: Maximum length of 2024.

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

**ProvisionedProducts (p. 191)**

Information about the provisioned products.

Type: Array of ProvisionedProductDetail (p. 263) objects

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:
- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
SearchProducts

SearchProducts

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 193)**

- The language code.
  - en - English (default)
  - jp - Japanese
  - zh - Chinese

  Type: String

  Length Constraints: Maximum length of 100.

  Required: No

**Filters (p. 193)**

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

  Type: String to array of strings map

  Valid Keys: FullTextSearch | Owner | ProductType | SourceProductId

  Required: No

**PageSize (p. 193)**

- The maximum number of items to return with this call.

  Type: Integer

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

  Required: No

**PageToken (p. 193)**

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

  Type: String

  Length Constraints: Maximum length of 2024.
Pattern: \u0009\u000a\u000d\s-\ud7ff\ue000-\ufffd*

Required: No

SortBy (p. 193)

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

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

SortOrder (p. 193)

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

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

Response Syntax

```json
{
    "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. 194)

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [	
 -퟿-�]*

ProductViewAggregations (p. 194)

The product view aggregations.

Type: String to array of ProductViewAggregationValue (p. 255) objects map

ProductViewSummaries (p. 194)

Information about the product views.

Type: Array of ProductViewSummary (p. 257) objects

Errors

InvalidParametersException

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

HTTP Status Code: 400

Example

Search for all available products

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

Sample Request

```
POST / HTTP/1.1
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-w35uhtf6nrqyy",
    "Name":"RDS template",
    "OwnerId":"AWS",
    "ProductId":"prod-3tsertlc2g7pw",
    "ShortDescription":"Test 2",
    "Type":"Base"
  },
  {
    "HasDefaultPath":false,
    "Id":"prodview-r2tzjgsao7mc4",
    "Name":"Devo enviro 2",
    "OwnerId":"asda",
    "ProductId":"prod-enx2jvf33gi52",
    "ShortDescription":"asd",
    "Type":"Base"
  },
  {
    "Distributor":"
  },
  {
    "Distributor":"Me",
    "HasDefaultPath":false,
    "Id":"prodview-3fmrw464floam",
    "Name":"Testtemplate",
    "OwnerId":"MSP XYZ",
    "ProductId":"prod-eqeqqgemstiea",
    "ShortDescription":"asdas",
    "Type":"Base"
  }
]

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V3
SearchProductsAsAdmin

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

Request Syntax

```json
{
  "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. 198)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Filters (p. 198)**

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

Type: String to array of strings map

Valid Keys: FullTextSearch | Owner | ProductType | SourceProductId

Required: No

**PageSize (p. 198)**

The maximum number of items to return with this call.

Type: Integer

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

Required: No

**PageToken (p. 198)**

The page token for the next set of results. To retrieve the first set of results, use null.
Type: String
Length Constraints: Maximum length of 2024.
Pattern: [	
 -퟿-�]*
Required: No

**PortfolioId (p. 198)**
The portfolio identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_]*
Required: No

**ProductSource (p. 198)**
Access level of the source of the product.
Type: String
Valid Values: ACCOUNT
Required: No

**SortBy (p. 198)**
The sort field. If no value is specified, the results are not sorted.
Type: String
Valid Values: Title | VersionCount | CreationDate
Required: No

**SortOrder (p. 198)**
The sort order. If no value is specified, the results are not sorted.
Type: String
Valid Values: ASCENDING | DESCENDING
Required: No

**Response Syntax**

```json
{
    "NextPageToken": "string",
    "ProductViewDetails": [
        {
            "CreatedTime": number,
            "ProductARN": "string",
            "ProductViewSummary": {
                "Distributor": "string",
                "HasDefaultPath": boolean,
                "Id": "string",
                "Name": "string",
                "Owner": "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. 199)

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [	
 -퟿-�]*

ProductViewDetails (p. 199)

Information about the product views.

Type: Array of ProductViewDetail (p. 256) objects

Errors

InvalidParametersException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
SearchProvisionedProducts

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 202)**

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**AccessLevelFilter (p. 202)**

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

Type: `AccessLevelFilter (p. 238)` object

Required: No

**Filters (p. 202)**

The search filters.

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

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

Type: String to array of strings map

Valid Keys: `SearchQuery`
### PageSize (p. 202)

The maximum number of items to return with this call.

Type: Integer

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

Required: No

### PageToken (p. 202)

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [	
 -퟿-�]*

Required: No

### SortBy (p. 202)

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

Type: String

Required: No

### SortOrder (p. 202)

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

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

### Response Syntax

```json
{
  "NextPageToken": "string",
  "ProvisionedProducts": [ 
    {
      "Arn": "string",
      "CreatedTime": number,
      "Id": "string",
      "IdempotencyToken": "string",
      "LastRecordId": "string",
      "Name": "string",
      "PhysicalId": "string",
      "ProductId": "string",
      "ProvisioningArtifactId": "string",
      "Status": "string",
      "StatusMessage": "string",
      "Tags": [ 
        {
          "Key": "string",
          "Value": "string"
```
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. 203)**

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

Type: String

Length Constraints: Maximum length of 2024.

Pattern: [	
 -퟿-�]*

**ProvisionedProducts (p. 203)**

Information about the provisioned products.

Type: Array of ProvisionedProductAttribute (p. 260) objects

**TotalResultsCount (p. 203)**

The number of provisioned products found.

Type: Integer

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
**TerminateProvisionedProduct**

Terminates the specified provisioned product.

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

You can check the status of this request using DescribeRecord (p. 105).

**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. 206)**

The language code.
- `en` - English (default)
- `jp` - Japanese
- `zh` - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**IgnoreErrors (p. 206)**

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

Type: Boolean

Required: No

**ProvisionedProductId (p. 206)**

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

Type: String

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

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

Required: No

**ProvisionedProductName (p. 206)**

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


Type: String


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}:[^/].{0,1023}

Required: No

**TerminateToken (p. 206)**

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

Type: String


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

Required: Yes

**Response Syntax**

```json
{
    "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. 207)**

Information about the result of this request.
Errors

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateConstraint

Updates the specified constraint.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 209)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

Description (p. 209)

The updated description of the constraint.

Type: String


Required: No

Id (p. 209)

The identifier of the constraint.

Type: String

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

Pattern: /^[a-zA-Z0-9-_]*$/

Required: Yes

Parameters (p. 209)

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

LAUNCH

You are required to specify either the RoleArn or the LocalRoleName but can't use both.

Specify the RoleArn property as follows:
{"RoleArn": "arn:aws:iam::123456789012:role/LaunchRole"}

Specify the LocalRoleName property as follows:

{"LocalRoleName": "SCBasicLaunchRole"}

If you specify the LocalRoleName property, when an account uses the launch constraint, the IAM role with that name in the account will be used. This allows launch-role constraints to be account-agnostic so the administrator can create fewer resources per shared account.

**Note**
The given role name must exist in the account used to create the launch constraint and the account of the user who launches a product with this launch constraint.

You cannot have both a LAUNCH and a STACKSET constraint.

You also cannot have more than one LAUNCH constraint on a product and portfolio.

**NOTIFICATION**
Specify the NotificationArns property as follows:

{"NotificationArns": ["arn:aws:sns:us-east-1:123456789012:Topic"]}

**RESOURCE_UPDATE**
Specify the TagUpdatesOnProvisionedProduct property as follows:

{"Version": "2.0", "Properties":
{"TagUpdateOnProvisionedProduct": "String"}}

The TagUpdatesOnProvisionedProduct property accepts a string value of ALLOWED or NOT_ALLOWED.

**STACKSET**
Specify the Parameters property as follows:

{"Version": "String", "Properties": {
"AccountList": [ "String" ],
"RegionList": [ "String" ],
"AdminRole": "String", 
"ExecutionRole": "String"}}

You cannot have both a LAUNCH and a STACKSET constraint.

You also cannot have more than one STACKSET constraint on a product and portfolio.

Products with a STACKSET constraint will launch an AWS CloudFormation stack set.

**TEMPLATE**
Specify the Rules property. For more information, see Template Constraint Rules.

Type: String

Required: No

**Response Syntax**

```json
{
  "ConstraintDetail": {
    "ConstraintId": "string",
    "Description": "string",
    "Owner": "string",
```
"PortfolioId": "string",
"ProductId": "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. 210)**

Information about the constraint.

Type: ConstraintDetail (p. 241) object

**ConstraintParameters (p. 210)**

The constraint parameters.

Type: String

**Status (p. 210)**

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdatePortfolio

Updates the specified portfolio.

You cannot update a product that was shared with you.

Request Syntax

```json
{
    "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. 213)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

AddTags (p. 213)

The tags to add.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 20 items.

Required: No

Description (p. 213)

The updated description of the portfolio.

Type: String


Required: No
DisplayName (p. 213)

The name to use for display purposes.

Type: String

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

Required: No

Id (p. 213)

The portfolio identifier.

Type: String

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

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

Required: Yes

ProviderName (p. 213)

The updated name of the portfolio provider.

Type: String


Required: No

RemoveTags (p. 213)

The tags to remove.

Type: Array of strings


Pattern: ^[@\p{L}\p{Z}\p{N}\.:\+/\-\@\}*\$\n
Required: No

Response Syntax

```json
{
    "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. 214)**

Information about the portfolio.

Type: PortfolioDetail (p. 252) object

**Tags (p. 214)**

Information about the tags associated with the portfolio.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Errors

**InvalidParametersException**

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

HTTP Status Code: 400

**LimitExceededException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**TagOptionNotMigratedException**

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateProduct

Updates the specified product.

Request Syntax

```json
{
  "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. 217)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**AddTags (p. 217)**

The tags to add to the product.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 20 items.

Required: No

**Description (p. 217)**

The updated description of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No
Distributor (p. 217)
The updated distributor of the product.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

Id (p. 217)
The product identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*$
Required: Yes

Name (p. 217)
The updated product name.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

Owner (p. 217)
The updated owner of the product.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

RemoveTags (p. 217)
The tags to remove from the product.
Type: Array of strings
Pattern: ^([\p{L}\p{Z}\p{N}\p{\_}.:/=\-@]*)$
Required: No

SupportDescription (p. 217)
The updated support description for the product.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

SupportEmail (p. 217)
The updated support email for the product.
Type: String
Length Constraints: Maximum length of 254.
Required: No

SupportUrl (p. 217)
The updated support URL for the product.
Type: String
Length Constraints: Maximum length of 2083.
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. 219)

Information about the product view.
Type: ProductViewDetail (p. 256) object

Tags (p. 219)

Information about the tags associated with the product.
Type: Array of Tag (p. 303) objects
Array Members: Maximum number of 50 items.

Errors

InvalidParametersException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

TagOptionNotMigratedException

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

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateProvisionedProduct

Requests updates to the configuration of the specified provisioned product.

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

You can check the status of this request using DescribeRecord (p. 105).

Request Syntax

```json
{
   "AcceptLanguage": "string",
   "PathId": "string",
   "ProductId": "string",
   "ProvisionedProductId": "string",
   "ProvisionedProductName": "string",
   "ProvisioningArtifactId": "string",
   "ProvisioningParameters": [
      {
         "Key": "string",
         "UsePreviousValue": boolean,
         "Value": "string"
      }
   ],
   "ProvisioningPreferences": {
      "StackSetAccounts": [ "string" ],
      "StackSetFailureToleranceCount": number,
      "StackSetFailureTolerancePercentage": number,
      "StackSetMaxConcurrencyCount": number,
      "StackSetMaxConcurrencyPercentage": number,
      "StackSetOperationType": "string",
      "StackSetRegions": [ "string" ]
   },
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "UpdateToken": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 221)

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No
PathId (p. 221)
The new path identifier. This value is optional if the product has a default path, and required if the product has more than one path.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_\-]*
Required: No

ProductId (p. 221)
The identifier of the product.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_\-]*
Required: No

ProvisionedProductId (p. 221)
The identifier of the provisioned product. You cannot specify both ProvisionedProductName and ProvisionedProductId.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_\-]*
Required: No

ProvisionedProductName (p. 221)
The name of the provisioned product. You cannot specify both ProvisionedProductName and ProvisionedProductId.
Type: String
Pattern: [a-zA-Z0-9][a-zA-Z0-9._\-]{0,127}|arn:[a-z0-9-\.]\{0,63\}:[a-z0-9-\.]\{0,63\}:[a-z0-9-\.]\{0,63\}:[^/].\{0,1023\}
Required: No

ProvisioningArtifactId (p. 221)
The identifier of the provisioning artifact.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9-_\-]*
Required: No
ProvisioningParameters (p. 221)
The new parameters.
Type: Array of UpdateProvisioningParameter (p. 306) objects
Required: No

ProvisioningPreferences (p. 221)
An object that contains information about the provisioning preferences for a stack set.
Type: UpdateProvisioningPreferences (p. 307) object
Required: No

Tags (p. 221)
One or more tags. Requires the product to have RESOURCE_UPDATE constraint with TagUpdatesOnProvisionedProduct set to ALLOWED to allow tag updates.
Type: Array of Tag (p. 303) objects
Array Members: Maximum number of 50 items.
Required: No

UpdateToken (p. 221)
The idempotency token that uniquely identifies the provisioning update request.
Type: String
Pattern: [a-zA-Z0-9][a-zA-Z0-9-]*
Required: Yes

Response Syntax

```json
{
  "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"
      }
    ]
  }
}```
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. 223)

Information about the result of the request.

Type: RecordDetail (p. 286) object

Errors

InvalidParametersException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateProvisionedProductProperties

Requests updates to the properties of the specified provisioned product.

Request Syntax

```
{
    "AcceptLanguage": "string",
    "IdempotencyToken": "string",
    "ProvisionedProductId": "string",
    "ProvisionedProductProperties": {
        "string" : "string"
    }
}
```

Request Parameters

The request accepts the following data in JSON format.

AcceptLanguage (p. 225)

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

IdempotencyToken (p. 225)

The idempotency token that uniquely identifies the provisioning product update request.

Type: String


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

Required: Yes

ProvisionedProductId (p. 225)

The identifier of the provisioned product.

Type: String

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

Pattern: ^[a-zA-Z0-9-]*$

Required: Yes

ProvisionedProductProperties (p. 225)

A map that contains the provisioned product properties to be updated.
The OWNER key only accepts user ARNs. The owner is the user that is allowed to see, update, terminate, and execute service actions in the provisioned product.

The administrator can change the owner of a provisioned product to another IAM user within the same account. Both end user owners and administrators can see ownership history of the provisioned product using the ListRecordHistory API. The new owner can describe all past records for the provisioned product using the DescribeRecord API. The previous owner can no longer use DescribeRecord, but can still see the product's history from when he was an owner using ListRecordHistory.

If a provisioned product ownership is assigned to an end user, they can see and perform any action through the API or Service Catalog console such as update, terminate, and execute service actions. If an end user provisions a product and the owner is updated to someone else, they will no longer be able to see or perform any actions through API or the Service Catalog console on that provisioned product.

Type: String to string map
Key Length Constraints: Minimum length of 1. Maximum length of 128.
Valid Keys: OWNER
Required: Yes

**Response Syntax**

```
{
  "ProvisionedProductId": "string",
  "ProvisionedProductProperties": {
    "string": "string"
  },
  "RecordId": "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.

**ProvisionedProductId (p. 226)**

The provisioned product identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_]*$

**ProvisionedProductProperties (p. 226)**

A map that contains the properties updated.
Type: String to string map
Key Length Constraints: Minimum length of 1. Maximum length of 128.
Valid Keys: OWNER


**RecordId (p. 226)**

The identifier of the record.

Type: String

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

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

**Status (p. 226)**

The status of the request.

Type: String

Valid Values: CREATED | IN_PROGRESS | IN_PROGRESS_IN_ERROR | SUCCEEDED | FAILED

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**InvalidStateException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateProvisioningArtifact

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

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

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 228)**

The language code.

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

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Active (p. 228)**

Indicates whether the product version is active.

Inactive provisioning artifacts are invisible to end users. End users cannot launch or update a provisioned product from an inactive provisioning artifact.

Type: Boolean

Required: No

**Description (p. 228)**

The updated description of the provisioning artifact.

Type: String

Required: No

**Guidance (p. 228)**

Information set by the administrator to provide guidance to end users about which provisioning artifacts to use.

The DEFAULT value indicates that the product version is active.
The administrator can set the guidance to DEPRECATED to inform users that the product version is deprecated. Users are able to make updates to a provisioned product of a deprecated version but cannot launch new provisioned products using a deprecated version.

**Type:** String

**Valid Values:** DEFAULT | DEPRECATED

**Required:** No

**Name (p. 228)**

The updated name of the provisioning artifact.

**Type:** String

**Required:** No

**ProductId (p. 228)**

The product identifier.

**Type:** String

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

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

**Required:** Yes

**ProvisioningArtifactId (p. 228)**

The identifier of the provisioning artifact.

**Type:** String

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

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

**Required:** Yes

### Response Syntax

```
{
  "Info": {
    "string": "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Guidance": "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. 229)**

The URL of the CloudFormation template in Amazon S3.

Type: String to string map

**ProvisioningArtifactDetail (p. 229)**

Information about the provisioning artifact.

Type: ProvisioningArtifactDetail (p. 273) object

**Status (p. 229)**

The status of the current request.

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

**Errors**

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateServiceAction

Updates a self-service action.

Request Syntax

```json
{
    "AcceptLanguage": "string",
    "Definition": {
        "String" : "string"
    },
    "Description": "string",
    "Id": "string",
    "Name": "string"
}
```

Request Parameters

The request accepts the following data in JSON format.

**AcceptLanguage (p. 231)**

The language code.
- en - English (default)
- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

**Definition (p. 231)**

A map that defines the self-service action.

Type: String to string map

Valid Keys: Name | Version | AssumeRole | Parameters


Required: No

**Description (p. 231)**

The self-service action description.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

**Id (p. 231)**

The self-service action identifier.

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

Pattern: ^[a-zA-Z0-9_\-]*$

Required: Yes

Name (p. 231)

The self-service action name.

Type: String

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

Pattern: ^[a-zA-Z0-9_\-\.]*$

Required: No

Response Syntax

```json
{
  "ServiceActionDetail": {
    "Definition": {
      "string": "string"
    },
    "ServiceActionSummary": {
      "DefinitionType": "string",
      "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.

ServiceActionDetail (p. 232)

Detailed information about the self-service action.

Type: ServiceActionDetail (p. 298) object

Errors

InvalidParametersException

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

HTTP Status Code: 400

ResourceNotFoundException

The specified resource was not found.

HTTP Status Code: 400
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateTagOption

Updates the specified TagOption.

Request Syntax

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

Request Parameters

The request accepts the following data in JSON format.

Active (p. 234)

The updated active state.

Type: Boolean

Required: No

Id (p. 234)

The TagOption identifier.

Type: String

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

Required: Yes

Value (p. 234)

The updated value.

Type: String

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

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

Required: No

Response Syntax

```json
{
  "TagOptionDetail": {
    "Active": boolean,
    "Id": "string",
    "Key": "string",
    "Value": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.
The following data is returned in JSON format by the service.

**TagOptionDetail (p. 234)**

Information about the TagOption.

Type: TagOptionDetail (p. 304) object

**Errors**

**DuplicateResourceException**

The specified resource is a duplicate.

HTTP Status Code: 400

**InvalidParametersException**

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

HTTP Status Code: 400

**ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

**TagOptionNotMigratedException**

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

HTTP Status Code: 400

**See Also**

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

**Data Types**

The following data types are supported:

- AccessLevelFilter (p. 238)
• BudgetDetail (p. 239)
• CloudWatchDashboard (p. 240)
• ConstraintDetail (p. 241)
• ConstraintSummary (p. 243)
• ExecutionParameter (p. 244)
• FailedServiceActionAssociation (p. 245)
• LaunchPathSummary (p. 247)
• ListRecordHistorySearchFilter (p. 248)
• ListTagOptionsFilters (p. 249)
• OrganizationNode (p. 250)
• ParameterConstraints (p. 251)
• PortfolioDetail (p. 252)
• Principal (p. 254)
• ProductViewAggregationValue (p. 255)
• ProductViewDetail (p. 256)
• ProductViewSummary (p. 257)
• ProvisionedProductAttribute (p. 260)
• ProvisionedProductDetail (p. 263)
• ProvisionedProductPlanDetails (p. 266)
• ProvisionedProductPlanSummary (p. 269)
• ProvisioningArtifact (p. 271)
• ProvisioningArtifactDetail (p. 273)
• ProvisioningArtifactParameter (p. 275)
• ProvisioningArtifactPreferences (p. 277)
• ProvisioningArtifactProperties (p. 278)
• ProvisioningArtifactSummary (p. 280)
• ProvisioningArtifactView (p. 281)
• ProvisioningParameter (p. 282)
• ProvisioningPreferences (p. 283)
• RecordDetail (p. 286)
• RecordError (p. 289)
• RecordOutput (p. 290)
• RecordTag (p. 291)
• ResourceChange (p. 292)
• ResourceChangeDetail (p. 294)
• ResourceDetail (p. 295)
• ResourceTargetDefinition (p. 296)
• ServiceActionAssociation (p. 297)
• ServiceActionDetail (p. 298)
• ServiceActionSummary (p. 299)
• ShareDetails (p. 300)
• ShareError (p. 301)
• StackInstance (p. 302)
• Tag (p. 303)
• TagOptionDetail (p. 304)
• TagOptionSummary (p. 305)
- UpdateProvisioningParameter (p. 306)
- UpdateProvisioningPreferences (p. 307)
- UsageInstruction (p. 310)
AccessLevelFilter

The access level to use to filter results.

Contents

Key

The access level.

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

Type: String

Valid Values: Account | Role | User

Required: No

Value

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

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
BudgetDetail

Information about a budget.

Contents

BudgetName

Name of the associated budget.

Type: String

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
CloudWatchDashboard

Information about a CloudWatch dashboard.

Contents

Name

The name of the CloudWatch dashboard.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ConstraintDetail

Information about a constraint.

Contents

ConstraintId

The identifier of the constraint.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*
Required: No

Description

The description of the constraint.
Type: String
Required: No

Owner

The owner of the constraint.
Type: String
Pattern: ^[0-9]{12}$
Required: No

PortfolioId

The identifier of the portfolio the product resides in. The constraint applies only to the instance of the product that lives within this portfolio.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*
Required: No

ProductId

The identifier of the product the constraint applies to. Note that a constraint applies to a specific instance of a product within a certain portfolio.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*
Required: No
**Type**

The type of constraint.

- LAUNCH
- NOTIFICATION
- STACKSET
- TEMPLATE

Type: String


Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ConstraintSummary

Summary information about a constraint.

Contents

Description

The description of the constraint.

Type: String


Required: No

Type

The type of constraint.

- LAUNCH
- NOTIFICATION
- STACKSET
- TEMPLATE

Type: String


Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ExecutionParameter

Details of an execution parameter value that is passed to a self-service action when executed on a provisioned product.

Contents

DefaultValues

The default values for the execution parameter.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Length Constraints: Minimum length of 0. Maximum length of 512.

Required: No

Name

The name of the execution parameter.

Type: String


Required: No

Type

The execution parameter type.

Type: String


Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
FailedServiceActionAssociation

An object containing information about the error, along with identifying information about the self-service action and its associations.

Contents

**ErrorCode**

The error code. Valid values are listed below.

Type: String

Valid Values: DUPLICATE_RESOURCE | INTERNAL_FAILURE | LIMIT_EXCEEDED | RESOURCE_NOT_FOUND | THROTTLING

Required: No

**ErrorMessage**

A text description of the error.

Type: String


Required: No

**ProductId**

The product identifier. For example, prod-abcdz7xy33qa.

Type: String

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

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

Required: No

**ProvisioningArtifactId**

The identifier of the provisioning artifact. For example, pa-4abcdjnxj6ne.

Type: String

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

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

Required: No

**ServiceActionId**

The self-service action identifier. For example, act-fs7abcd89wxyz.

Type: String

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

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

Required: No
See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
LaunchPathSummary

Summary information about a product path for a user.

Contents

ConstraintSummaries

The constraints on the portfolio-product relationship.

Type: Array of ConstraintSummary (p. 243) objects

Required: No

Id

The identifier of the product path.

Type: String

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

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

Required: No

Name

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

Type: String

Required: No

Tags

The tags associated with this product path.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ListRecordHistorySearchFilter

The search filter to use when listing history records.

Contents

Key

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

Type: String
Required: No

Value

The filter value.

Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ListTagOptionsFilters

Filters to use when listing TagOptions.

Contents

Active

The active state.

Type: Boolean

Required: No

Key

The TagOption key.

Type: String


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

Required: No

Value

The TagOption value.

Type: String

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

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
OrganizationNode

Information about the organization node.

Contents

Type

The organization node type.

Type: String

Valid Values: ORGANIZATION | ORGANIZATIONAL_UNIT | ACCOUNT

Required: No

Value

The identifier of the organization node.

Type: String

Pattern: (^[0-9]{12}$)|(^arn:aws:organizations::\d{12}:organization/o-[a-z0-9]{10,32}$)|(^arn:aws:organizations::\d{12}:ou/o-[a-z0-9]{10,32}$)|(^arn:aws:organizations::\d{12}:ou/o-[a-z0-9]{4,32}-[0-9a-z]{8,32}$)|(^ou-[0-9a-z]{4,32}-[0-9a-z]{8,32}$)

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ParameterConstraints

The constraints that the administrator has put on the parameter.

Contents

AllowedValues

The values that the administrator has allowed for the parameter.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
PortfolioDetail
Information about a portfolio.

Contents

**ARN**
The ARN assigned to the portfolio.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 150.
Required: No

**CreatedTime**
The UTC time stamp of the creation time.
Type: Timestamp
Required: No

**Description**
The description of the portfolio.
Type: String
Required: No

**DisplayName**
The name to use for display purposes.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

**Id**
The portfolio identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9\-_]*
Required: No

**ProviderName**
The name of the portfolio provider.
Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
Principal

Information about a principal.

Contents

PrincipalARN

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

Type: String

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

Required: No

PrincipalType

The principal type. The supported value is IAM.

Type: String

Valid Values: IAM

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProductViewAggregationValue

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

Contents

ApproximateCount

An approximate count of the products that match the value.

Type: Integer

Required: No

Value

The value of the product view aggregation.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProductViewDetail

Information about a product view.

Contents

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

ProductARN

The ARN of the product.

Type: String

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

Required: No

ProductViewSummary

Summary information about the product view.

Type: ProductViewSummary (p. 257) object

Required: No

Status

The status of the product.

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

Type: String

Valid Values: AVAILABLE | CREATING | FAILED

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProductViewSummary

Summary information about a product view.

Contents

Distributor

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

Type: String
Required: No

HasDefaultPath

Indicates whether the product has a default path. If the product does not have a default path, call
ListLaunchPaths (p. 142) to disambiguate between paths. Otherwise, ListLaunchPaths (p. 142)
is not required, and the output of ProductViewSummary (p. 257) can be used directly with
DescribeProvisioningParameters (p. 102).

Type: Boolean
Required: No

Id

The product view identifier.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9\-\_\-]*
Required: No

Name

The name of the product.

Type: String
Length Constraints: Maximum length of 8191.
Required: No

Owner

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

Type: String
Length Constraints: Maximum length of 8191.
Required: No

ProductId

The product identifier.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_\-]*
Required: No
**ShortDescription**
Short description of the product.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

**SupportDescription**
The description of the support for this Product.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

**SupportEmail**
The email contact information to obtain support for this Product.
Type: String
Length Constraints: Maximum length of 254.
Required: No

**SupportUrl**
The URL information to obtain support for this Product.
Type: String
Length Constraints: Maximum length of 2083.
Required: No

**Type**
The product type. Contact the product administrator for the significance of this value. If this value is MARKETPLACE, the product was created by AWS Marketplace.
Type: String
Length Constraints: Maximum length of 8191.
Required: No

Valid Values: CLOUDFORMATIONTEMPLATE | MARKETPLACE

**See Also**
For more information about using this API in one of the language-specific AWS SDKs, see the following:
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisionedProductAttribute

Information about a provisioned product.

Contents

Arn

The ARN of the provisioned product.

Type: String


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

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Id

The identifier of the provisioned product.

Type: String

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

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

Required: No

IdempotencyToken

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

Type: String


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

Required: No

LastRecordId

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

Type: String

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

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

Required: No
Name

The user-friendly name of the provisioned product.
Type: String
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-.]{0,1023}
Required: No

PhysicalId

The assigned identifier for the resource, such as an EC2 instance ID or an S3 bucket name.
Type: String
Required: No

ProductId

The product identifier.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_-]*
Required: No

 ProvisioningArtifactId

The identifier of the provisioning artifact.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: ^[a-zA-Z0-9_-]*
Required: No

Status

The current status of the provisioned product.

- AVAILABLE - Stable state, ready to perform any operation. The most recent operation succeeded and completed.
- UNDER_CHANGE - Transitive state. Operations performed might not have valid results. Wait for an AVAILABLE status before performing operations.
- TAINTED - Stable state, ready to perform any operation. The stack has completed the requested operation but is not exactly what was requested. For example, a request to update to a new version failed and the stack rolled back to the current version.
- ERROR - An unexpected error occurred. The provisioned product exists but the stack is not running. For example, CloudFormation received a parameter value that was not valid and could not launch the stack.
- PLAN_IN_PROGRESS - Transitive state. The plan operations were performed to provision a new product, but resources have not yet been created. After reviewing the list of resources to be created, execute the plan. Wait for an AVAILABLE status before performing operations.

Type: String
Valid Values: AVAILABLE | UNDER_CHANGE | TAINTED | ERROR | PLAN_IN_PROGRESS

Required: No

**StatusMessage**

The current status message of the provisioned product.

Type: String

Required: No

**Tags**

One or more tags.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Required: No

**Type**

The type of provisioned product. The supported values are CFN_STACK and CFN_STACKSET.

Type: String

Required: No

**UserArn**

The Amazon Resource Name (ARN) of the IAM user.

Type: String

Required: No

**UserArnSession**

The ARN of the IAM user in the session. This ARN might contain a session ID.

Type: String

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisionedProductDetail

Information about a provisioned product.

Contents

Arn

The ARN of the provisioned product.

Type: String


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}:[^/].{0,1023}

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Id

The identifier of the provisioned product.

Type: String

Required: No

IdempotencyToken

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

Type: String


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

Required: No

LastRecordId

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

Type: String

Required: No

Name

The user-friendly name of the provisioned product.

Type: String

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):\^/\.(0,1023)

Required: No

**Productld**

The product identifier. For example, prod-abcdzk7xy33qa.

Type: String

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

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

Required: No

**ProvisioningArtifactld**

The identifier of the provisioning artifact. For example, pa-4abcdjnxjj6ne.

Type: String

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

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

Required: No

**Status**

The current status of the provisioned product.

- **AVAILABLE** - Stable state, ready to perform any operation. The most recent operation succeeded and completed.
- **UNDER_CHANGE** - Transitive state. Operations performed might not have valid results. Wait for an AVAILABLE status before performing operations.
- **TAINTED** - Stable state, ready to perform any operation. The stack has completed the requested operation but is not exactly what was requested. For example, a request to update to a new version failed and the stack rolled back to the current version.
- **ERROR** - An unexpected error occurred. The provisioned product exists but the stack is not running. For example, CloudFormation received a parameter value that was not valid and could not launch the stack.
- **PLAN_IN_PROGRESS** - Transitive state. The plan operations were performed to provision a new product, but resources have not yet been created. After reviewing the list of resources to be created, execute the plan. Wait for an AVAILABLE status before performing operations.

Type: String

Valid Values: AVAILABLE | UNDER_CHANGE | TAINTED | ERROR | PLAN_IN_PROGRESS

Required: No

**StatusMessage**

The current status message of the provisioned product.

Type: String

Required: No

**Type**

The type of provisioned product. The supported values are CFN_STACK and CFN_STACKSET.
Type: String
Required: No

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisionedProductPlanDetails

Information about a plan.

Contents

**CreatedTime**

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

**NotificationArns**

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

Type: Array of strings

Array Members: Maximum number of 5 items.


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

Required: No

**PathId**

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use `ListLaunchPaths` (p. 142).

Type: String

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

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

Required: No

**PlanId**

The plan identifier.

Type: String

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

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

Required: No

**PlanName**

The name of the plan.

Type: String

Required: No
PlanType

The plan type.

Type: String

Valid Values: CLOUDFORMATION

Required: No

ProductId

The product identifier.

Type: String

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

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

Required: No

ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

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

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

Required: No

ProvisioningParameters

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

Type: Array of UpdateProvisioningParameter (p. 306) objects

Required: No

ProvisionProductId

The product identifier.

Type: String

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

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

Required: No

ProvisionProductName

The user-friendly name of the provisioned product.

Type: String


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

Required: No
**Status**

The status.

Type: String

Valid Values: CREATE_IN_PROGRESS | CREATE_SUCCESS | CREATE_FAILED | EXECUTE_IN_PROGRESS | EXECUTE_SUCCESS | EXECUTE_FAILED

Required: No

**StatusMessage**

The status message.

Type: String

Pattern: [	
 -퟿-�]*

Required: No

**Tags**

One or more tags.

Type: Array of Tag (p. 303) objects

Array Members: Maximum number of 50 items.

Required: No

**UpdatedTime**

The time when the plan was last updated.

Type: Timestamp

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisionedProductPlanSummary

Summary information about a plan.

Contents

PlanId

The plan identifier.

Type: String

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

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

Required: No

PlanName

The name of the plan.

Type: String

Required: No

PlanType

The plan type.

Type: String

Valid Values: CLOUDFORMATION

Required: No

 ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

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

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

Required: No

 ProvisionProductId

The product identifier.

Type: String

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

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

Required: No

 ProvisionProductName

The user-friendly name of the provisioned product.
Type: String


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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningArtifact

Information about a provisioning artifact. A provisioning artifact is also known as a product version.

Contents

**CreatedTime**

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

**Description**

The description of the provisioning artifact.

Type: String

Required: No

**Guidance**

Information set by the administrator to provide guidance to end users about which provisioning artifacts to use.

Type: String

Valid Values: DEFAULT | DEPRECATED

Required: No

**Id**

The identifier of the provisioning artifact.

Type: String

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

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

Required: No

**Name**

The name of the provisioning artifact.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningArtifactDetail

Information about a provisioning artifact (also known as a version) for a product.

Contents

Active

Indicates whether the product version is active.

Type: Boolean

Required: No

CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

Description

The description of the provisioning artifact.

Type: String

Required: No

Guidance

Information set by the administrator to provide guidance to end users about which provisioning artifacts to use.

Type: String

Valid Values: DEFAULT | DEPRECATED

Required: No

Id

The identifier of the provisioning artifact.

Type: String

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

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

Required: No

Name

The name of the provisioning artifact.

Type: String

Required: No

Type

The type of provisioning artifact.
• **CLOUD_FORMATION_TEMPLATE** - AWS CloudFormation template
• **MARKETPLACE_AMI** - AWS Marketplace AMI
• **MARKETPLACE_CAR** - AWS Marketplace Clusters and AWS Resources

Type: String

Valid Values: CLOUD FORMATION TEMPLATE | MARKETPLACE AMI | MARKETPLACE CAR

Required: No

**See Also**

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

• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for Ruby V3
ProvisioningArtifactParameter

Information about a parameter used to provision a product.

Contents

**DefaultValue**

The default value.

Type: String
Required: No

**Description**

The description of the parameter.

Type: String
Required: No

**IsNoEcho**

If this value is true, the value for this parameter is obfuscated from view when the parameter is retrieved. This parameter is used to hide sensitive information.

Type: Boolean
Required: No

**ParameterConstraints**

Constraints that the administrator has put on a parameter.

Type: ParameterConstraints (p. 251) object
Required: No

**ParameterKey**

The parameter key.

Type: String

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

Required: No

**ParameterType**

The parameter type.

Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningArtifactPreferences

The user-defined preferences that will be applied during product provisioning, unless overridden by ProvisioningPreferences or UpdateProvisioningPreferences.

For more information on maximum concurrent accounts and failure tolerance, see Stack set operation options in the AWS CloudFormation User Guide.

Contents

StackSetAccounts

One or more AWS accounts where stack instances are deployed from the stack set. These accounts can be scoped in ProvisioningPreferences$StackSetAccounts and UpdateProvisioningPreferences$StackSetAccounts.

Applicable only to a CFN_STACKSET provisioned product type.

Type: Array of strings

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

Required: No

StackSetRegions

One or more AWS Regions where stack instances are deployed from the stack set. These regions can be scoped in ProvisioningPreferences$StackSetRegions and UpdateProvisioningPreferences$StackSetRegions.

Applicable only to a CFN_STACKSET provisioned product type.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningArtifactProperties

Information about a provisioning artifact (also known as a version) for a product.

Contents

Description

The description of the provisioning artifact, including how it differs from the previous provisioning artifact.

Type: String
Required: No

DisableTemplateValidation

If set to true, AWS Service Catalog stops validating the specified provisioning artifact even if it is invalid.

Type: Boolean
Required: No

Info

The URL of the CloudFormation template in Amazon S3. Specify the URL in JSON format as follows:

"LoadTemplateFromURL": "https://s3.amazonaws.com/cf-templates-ozkq9d3hgi2-us-east-1/..."

Type: String to string map
Required: Yes

Name

The name of the provisioning artifact (for example, v1 v2beta). No spaces are allowed.

Type: String
Required: No

Type

The type of provisioning artifact.

- CLOUD_FORMATION_TEMPLATE - AWS CloudFormation template
- MARKETPLACE_AMI - AWS Marketplace AMI
- MARKETPLACE_CAR - AWS Marketplace Clusters and AWS Resources

Type: String

Valid Values: CLOUD_FORMATION_TEMPLATE | MARKETPLACE_AMI | MARKETPLACE_CAR
Required: No

See Also

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

- AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for Ruby V3
ProvisioningArtifactSummary

Summary information about a provisioning artifact (also known as a version) for a product.

Contents

**CreatedTime**

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

**Description**

The description of the provisioning artifact.

Type: String

Required: No

**Id**

The identifier of the provisioning artifact.

Type: String

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

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

Required: No

**Name**

The name of the provisioning artifact.

Type: String

Required: No

**ProvisioningArtifactMetadata**

The metadata for the provisioning artifact. This is used with AWS Marketplace products.

Type: String to string map

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningArtifactView

An object that contains summary information about a product view and a provisioning artifact.

Contents

ProductViewSummary

Summary information about a product view.

Type: ProductViewSummary (p. 257) object

Required: No

ProvisioningArtifact

Information about a provisioning artifact. A provisioning artifact is also known as a product version.

Type: ProvisioningArtifact (p. 271) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningParameter

Information about a parameter used to provision a product.

Contents

Key

The parameter key.

Type: String

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

Required: No

Value

The parameter value.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProvisioningPreferences

The user-defined preferences that will be applied when updating a provisioned product. Not all preferences are applicable to all provisioned product types.

Contents

StackSetAccounts

One or more AWS accounts that will have access to the provisioned product.

Applicable only to a CFN_STACKSET provisioned product type.

The AWS accounts specified should be within the list of accounts in the STACKSET constraint. To get the list of accounts in the STACKSET constraint, use the DescribeProvisioningParameters operation.

If no values are specified, the default value is all accounts from the STACKSET constraint.

Type: Array of strings

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

Required: No

StackSetFailureToleranceCount

The number of accounts, per region, for which this operation can fail before AWS Service Catalog stops the operation in that region. If the operation is stopped in a region, AWS Service Catalog doesn't attempt the operation in any subsequent regions.

Applicable only to a CFN_STACKSET provisioned product type.

Conditional: You must specify either StackSetFailureToleranceCount or StackSetFailureTolerancePercentage, but not both.

The default value is 0 if no value is specified.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

StackSetFailureTolerancePercentage

The percentage of accounts, per region, for which this stack operation can fail before AWS Service Catalog stops the operation in that region. If the operation is stopped in a region, AWS Service Catalog doesn't attempt the operation in any subsequent regions.

When calculating the number of accounts based on the specified percentage, AWS Service Catalog rounds down to the next whole number.

Applicable only to a CFN_STACKSET provisioned product type.

Conditional: You must specify either StackSetFailureToleranceCount or StackSetFailureTolerancePercentage, but not both.

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

Required: No

**StackSetMaxConcurrencyCount**

The maximum number of accounts in which to perform this operation at one time. This is dependent on the value of `StackSetFailureToleranceCount`. `StackSetMaxConcurrencyCount` is at most one more than the `StackSetFailureToleranceCount`.

Note that this setting lets you specify the maximum for operations. For large deployments, under certain circumstances the actual number of accounts acted upon concurrently may be lower due to service throttling.

Applicable only to a `CFN_STACKSET` provisioned product type.

Conditional: You must specify either `StackSetMaxConcurrencyCount` or `StackSetMaxConcurrencyPercentage`, but not both.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

**StackSetMaxConcurrencyPercentage**

The maximum percentage of accounts in which to perform this operation at one time.

When calculating the number of accounts based on the specified percentage, AWS Service Catalog rounds down to the next whole number. This is true except in cases where rounding down would result is zero. In this case, AWS Service Catalog sets the number as 1 instead.

Note that this setting lets you specify the maximum for operations. For large deployments, under certain circumstances the actual number of accounts acted upon concurrently may be lower due to service throttling.

Applicable only to a `CFN_STACKSET` provisioned product type.

Conditional: You must specify either `StackSetMaxConcurrencyCount` or `StackSetMaxConcurrencyPercentage`, but not both.

Type: Integer

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

Required: No

**StackSetRegions**

One or more AWS Regions where the provisioned product will be available.

Applicable only to a `CFN_STACKSET` provisioned product type.

The specified regions should be within the list of regions from the `STACKSET` constraint. To get the list of regions in the `STACKSET` constraint, use the `DescribeProvisioningParameters` operation.

If no values are specified, the default value is all regions from the `STACKSET` constraint.

Type: Array of strings

Required: No
See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
RecordDetail

Information about a request operation.

Contents

**CreatedAt**

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

**PathId**

The path identifier.

Type: String

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

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

Required: No

**ProductId**

The product identifier.

Type: String

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

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

Required: No

**ProvisionedProductId**

The identifier of the provisioned product.

Type: String

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

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

Required: No

**ProvisionedProductName**

The user-friendly name of the provisioned product.

Type: String


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

Required: No

**ProvisionedProductType**

The type of provisioned product. The supported values are `CFN_STACK` and `CFN_STACKSET`. 
**RecordDetail**

Type: String  
Required: No

**ProvisioningArtifactId**

The identifier of the provisioning artifact. 
Type: String  
Length Constraints: Minimum length of 1. Maximum length of 100.  
Pattern: ^[a-zA-Z0-9_\-]*
Required: No

**RecordErrors**

The errors that occurred. 
Type: Array of RecordError (p. 289) objects  
Required: No

**RecordId**

The identifier of the record. 
Type: String  
Length Constraints: Minimum length of 1. Maximum length of 100.  
Pattern: ^[a-zA-Z0-9_\-]*
Required: No

**RecordTags**

One or more tags.  
Type: Array of RecordTag (p. 291) objects  
Array Members: Maximum number of 50 items.  
Required: No

**RecordType**

The record type.  
- PROVISION_PRODUCT  
- UPDATE_PROVISIONED_PRODUCT  
- TERMINATE_PROVISIONED_PRODUCT
Type: String  
Required: No

**Status**

The status of the provisioned product.  
- CREATED - The request was created but the operation has not started.  
- IN_PROGRESS - The requested operation is in progress.  
- IN_PROGRESS_IN_ERROR - The provisioned product is under change but the requested operation failed and some remediation is occurring. For example, a rollback.
- **SUCCEEDED** - The requested operation has successfully completed.
- **FAILED** - The requested operation has unsuccessfully completed. Investigate using the error messages returned.

**Type:** String

**Valid Values:** CREATED | IN_PROGRESS | IN_PROGRESS_IN_ERROR | SUCCEEDED | FAILED

**Required:** No

**UpdatedTime**

The time when the record was last updated.

**Type:** Timestamp

**Required:** No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
**RecordError**

The error code and description resulting from an operation.

**Contents**

**Code**

The numeric value of the error.

Type: String

Required: No

**Description**

The description of the error.

Type: String

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
RecordOutput

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

Contents

**Description**

The description of the output.
Type: String
Required: No

**OutputKey**

The output key.
Type: String
Required: No

**OutputValue**

The output value.
Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
RecordTag

Information about a tag, which is a key-value pair.

Contents

Key

The key for this tag.

Type: String


Pattern: ^((\p{L}\p{Z}\p{N}\_\.:=+\-\%@]*)$\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}\_\.:=+\-\%@]*)$\n
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ResourceChange

Information about a resource change that will occur when a plan is executed.

Contents

Action

The change action.
Type: String
Valid Values: ADD | MODIFY | REMOVE
Required: No

Details

Information about the resource changes.
Type: Array of ResourceChangeDetail (p. 294) objects
Required: No

LogicalResourceId

The ID of the resource, as defined in the CloudFormation template.
Type: String
Required: No

PhysicalResourceId

The ID of the resource, if it was already created.
Type: String
Required: No

Replacement

If the change type is Modify, indicates whether the existing resource is deleted and replaced with a new one.
Type: String
Valid Values: TRUE | FALSE | CONDITIONAL
Required: No

ResourceType

The type of resource.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 256.
Required: No

Scope

The change scope.
ResourceChange

Type: Array of strings

Valid Values: PROPERTIES | METADATA | CREATIONPOLICY | UPDATEPOLICY | DELETIONPOLICY | TAGS

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ResourceChangeDetail

Information about a change to a resource attribute.

Contents

CausingEntity

The ID of the entity that caused the change.

Type: String

Required: No

Evaluation

For static evaluations, the value of the resource attribute will change and the new value is known. For dynamic evaluations, the value might change, and any new value will be determined when the plan is updated.

Type: String

Valid Values: STATIC | DYNAMIC

Required: No

Target

Information about the resource attribute to be modified.

Type: ResourceTargetDefinition (p. 296) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ResourceDetail

Information about a resource.

Contents

**ARN**

The ARN of the resource.

Type: String  
Required: No

**CreatedTime**

The creation time of the resource.

Type: Timestamp  
Required: No

**Description**

The description of the resource.

Type: String  
Required: No

**Id**

The identifier of the resource.

Type: String  
Required: No

**Name**

The name of the resource.

Type: String  
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ResourceTargetDefinition

Information about a change to a resource attribute.

Contents

Attribute

The attribute to be changed.

Type: String

Valid Values: PROPERTIES | METADATA | CREATIONPOLICY | UPDATEPOLICY | DELETIONPOLICY | TAGS

Required: No

Name

If the attribute is Properties, the value is the name of the property. Otherwise, the value is null.

Type: String

Required: No

RequiresRecreation

If the attribute is Properties, indicates whether a change to this property causes the resource to be re-created.

Type: String

Valid Values: NEVER | CONDITIONALLY | ALWAYS

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ServiceActionAssociation

A self-service action association consisting of the Action ID, the Product ID, and the Provisioning Artifact ID.

Contents

ProductId

The product identifier. For example, prod-abcdzk7xy33qa.

Type: String

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

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

Required: Yes

ProvisioningArtifactId

The identifier of the provisioning artifact. For example, pa-4abcdjnxj6ne.

Type: String

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

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

Required: Yes

ServiceActionId

The self-service action identifier. For example, act-fs7abcd89wxyz.

Type: String

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

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

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ServiceActionDetail

An object containing detailed information about the self-service action.

Contents

Definition

A map that defines the self-service action.

Type: String to string map

Valid Keys: Name | Version | AssumeRole | Parameters


Required: No

ServiceActionSummary

Summary information about the self-service action.

Type: ServiceActionSummary (p. 299) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ServiceActionSummary

Detailed information about the self-service action.

Contents

DefinitionType

The self-service action definition type. For example, SSM_AUTOMATION.

Type: String

Valid Values: SSM_AUTOMATION

Required: No

Description

The self-service action description.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

Id

The self-service action identifier.

Type: String

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

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

Required: No

Name

The self-service action name.

Type: String

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

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ShareDetails

Information about the portfolio share operation.

Contents

ShareErrors

List of errors.

Type: Array of ShareError (p. 301) objects

Required: No

SuccessfulShares

List of accounts for whom the operation succeeded.

Type: Array of strings

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
**ShareError**

Errors that occurred during the portfolio share operation.

**Contents**

**Accounts**

List of accounts impacted by the error.

Type: Array of strings

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

Required: No

**Error**

Error type that happened when processing the operation.

Type: String

Required: No

**Message**

Information about the error.

Type: String

Required: No

**See Also**

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
StackInstance

An AWS CloudFormation stack, in a specific account and region, that's part of a stack set operation. A stack instance is a reference to an attempted or actual stack in a given account within a given region. A stack instance can exist without a stack—for example, if the stack couldn't be created for some reason. A stack instance is associated with only one stack set. Each stack instance contains the ID of its associated stack set, as well as the ID of the actual stack and the stack status.

Contents

Account

The name of the AWS account that the stack instance is associated with.

Type: String

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

Required: No

Region

The name of the AWS region that the stack instance is associated with.

Type: String

Required: No

StackInstanceStatus

The status of the stack instance, in terms of its synchronization with its associated stack set.

- INOPERABLE: A DeleteStackInstances operation has failed and left the stack in an unstable state. Stacks in this state are excluded from further UpdateStackSet operations. You might need to perform a DeleteStackInstances operation, with RetainStacks set to true, to delete the stack instance, and then delete the stack manually.

- OUTDATED: The stack isn't currently up to date with the stack set because either the associated stack failed during a CreateStackSet or UpdateStackSet operation, or the stack was part of a CreateStackSet or UpdateStackSet operation that failed or was stopped before the stack was created or updated.

- CURRENT: The stack is currently up to date with the stack set.

Type: String

Valid Values: CURRENT | OUTDATED | INOPERABLE

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
Tag

Information about a tag. A tag is a key-value pair. Tags are propagated to the resources created when provisioning a product.

Contents

Key

The tag key.

Type: String


Pattern: ^([\w\-]+)$

Required: Yes

Value

The value for this key.

Type: String

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

Pattern: ^([\w\-]+)$

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
TagOptionDetail

Information about a TagOption.

Contents

Active

The TagOption active state.

Type: Boolean

Required: No

Id

The TagOption identifier.

Type: String

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

Required: No

Key

The TagOption key.

Type: String


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

Required: No

Value

The TagOption value.

Type: String

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

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
TagOptionSummary

Summary information about a TagOption.

Contents

Key

The TagOption key.

Type: String


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

Required: No

Values

The TagOption value.

Type: Array of strings

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

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
UpdateProvisioningParameter

The parameter key-value pair used to update a provisioned product.

Contents

Key

The parameter key.

Type: String

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

Required: No

UsePreviousValue

If set to true, Value is ignored and the previous parameter value is kept.

Type: Boolean

Required: No

Value

The parameter value.

Type: String

Length Constraints: Maximum length of 4096.

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
UpdateProvisioningPreferences

The user-defined preferences that will be applied when updating a provisioned product. Not all preferences are applicable to all provisioned product types.

Contents

StackSetAccounts

One or more AWS accounts that will have access to the provisioned product.

Applicable only to a CFN_STACKSET provisioned product type.

The AWS accounts specified should be within the list of accounts in the STACKSET constraint. To get the list of accounts in the STACKSET constraint, use the DescribeProvisioningParameters operation.

If no values are specified, the default value is all accounts from the STACKSET constraint.

Type: Array of strings

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

Required: No

StackSetFailureToleranceCount

The number of accounts, per region, for which this operation can fail before AWS Service Catalog stops the operation in that region. If the operation is stopped in a region, AWS Service Catalog doesn’t attempt the operation in any subsequent regions.

Applicable only to a CFN_STACKSET provisioned product type.

Conditional: You must specify either StackSetFailureToleranceCount or StackSetFailureTolerancePercentage, but not both.

The default value is 0 if no value is specified.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

StackSetFailureTolerancePercentage

The percentage of accounts, per region, for which this stack operation can fail before AWS Service Catalog stops the operation in that region. If the operation is stopped in a region, AWS Service Catalog doesn’t attempt the operation in any subsequent regions.

When calculating the number of accounts based on the specified percentage, AWS Service Catalog rounds down to the next whole number.

Applicable only to a CFN_STACKSET provisioned product type.

Conditional: You must specify either StackSetFailureToleranceCount or StackSetFailureTolerancePercentage, but not both.

Type: Integer

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

The maximum number of accounts in which to perform this operation at one time. This is dependent on the value of StackSetFailureToleranceCount. StackSetMaxConcurrencyCount is at most one more than the StackSetFailureToleranceCount.

Note that this setting lets you specify the maximum for operations. For large deployments, under certain circumstances the actual number of accounts acted upon concurrently may be lower due to service throttling.

Applicable only to a CFN_STACKSET provisioned product type.

Conditional: You must specify either StackSetMaxConcurrencyCount or StackSetMaxConcurrencyPercentage, but not both.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

StackSetMaxConcurrencyPercentage

The maximum percentage of accounts in which to perform this operation at one time.

When calculating the number of accounts based on the specified percentage, AWS Service Catalog rounds down to the next whole number. This is true except in cases where rounding down would result is zero. In this case, AWS Service Catalog sets the number as 1 instead.

Note that this setting lets you specify the maximum for operations. For large deployments, under certain circumstances the actual number of accounts acted upon concurrently may be lower due to service throttling.

Applicable only to a CFN_STACKSET provisioned product type.

Conditional: You must specify either StackSetMaxConcurrencyCount or StackSetMaxConcurrencyPercentage, but not both.

Type: Integer

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

Required: No

StackSetOperationType

Determines what action AWS Service Catalog performs to a stack set or a stack instance represented by the provisioned product. The default value is UPDATE if nothing is specified.

Applicable only to a CFN_STACKSET provisioned product type.

CREATE

Creates a new stack instance in the stack set represented by the provisioned product. In this case, only new stack instances are created based on accounts and regions; if new ProductId or ProvisioningArtifactId are passed, they will be ignored.

UPDATE

Updates the stack set represented by the provisioned product and also its stack instances.

DELETE

Deletes a stack instance in the stack set represented by the provisioned product.
UpdateProvisioningPreferences

Type: String

Valid Values: CREATE | UPDATE | DELETE

Required: No

StackSetRegions

One or more AWS Regions where the provisioned product will be available.

Applicable only to a CFN_STACKSET provisioned product type.

The specified regions should be within the list of regions from the STACKSET constraint. To get the list of regions in the STACKSET constraint, use the DescribeProvisioningParameters operation.

If no values are specified, the default value is all regions from the STACKSET constraint.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
UsageInstruction

Additional information provided by the administrator.

Contents

Type

The usage instruction type for the value.

Type: String
Required: No

Value

The usage instruction value for this type.

Type: String
Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
Logging AWS Service Catalog API Calls with AWS CloudTrail

CloudTrail is enabled on your AWS account when you create the account. When activity occurs in AWS Service Catalog, that activity is recorded in a CloudTrail event along with other AWS service events in Event history. You can view, search, and download recent events in your AWS account. For more information, see Viewing Events with CloudTrail Event History.

For an ongoing record of events in your AWS account, including events for AWS Service Catalog, create a trail. A trail enables CloudTrail to deliver log files to an Amazon S3 bucket. By default, when you create a trail in the console, the trail applies to all AWS Regions. The trail logs events from all Regions in the AWS partition and delivers the log files to the Amazon S3 bucket that you specify. Additionally, you can configure other AWS services to further analyze and act upon the event data collected in CloudTrail logs. For more information, see the following:

- Overview for Creating a Trail
- CloudTrail Supported Services and Integrations
- Configuring Amazon SNS Notifications for CloudTrail
- Receiving CloudTrail Log Files from Multiple Regions and Receiving CloudTrail Log Files from Multiple Accounts

All AWS Service Catalog actions are logged by CloudTrail and are documented in the AWS Service Catalog Developer Guide. For example, calls to the SearchProducts, ListLaunchPaths and ListLaunchPaths actions generate entries in the CloudTrail log files.

Every event or log entry contains information about who generated the request. The identity information helps you determine the following:

- Whether the request was made with root or AWS Identity and Access Management (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.