



Developer Guide

# AWS Service Catalog



# AWS Service Catalog: Developer Guide

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# Table of Contents

|                                           |            |
|-------------------------------------------|------------|
| <b>What Is AWS Service Catalog?</b>       | <b>1</b>   |
| Benefits of Using the Service Catalog API | 1          |
| Access Service Catalog                    | 1          |
| Example Workflow                          | 2          |
| <b>API Overview</b>                       | <b>4</b>   |
| Product Discovery                         | 4          |
| Provisioning Requests                     | 5          |
| Provisioned Products                      | 6          |
| Provisioned Product Plans                 | 6          |
| Portfolios                                | 7          |
| Principal Association                     | 8          |
| Products                                  | 9          |
| Provisioning Artifacts                    | 9          |
| Constraints                               | 10         |
| Service Actions                           | 10         |
| TagOptions                                | 11         |
| AppRegistry                               | 12         |
| <b>API Reference</b>                      | <b>15</b>  |
| Actions                                   | 15         |
| Service Catalog                           | 19         |
| AppRegistry                               | 375        |
| Data Types                                | 461        |
| Service Catalog                           | 464        |
| AppRegistry                               | 581        |
| <b>Logging with CloudTrail</b>            | <b>611</b> |

# What Is AWS Service Catalog?

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

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

## Benefits of Using the 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 a central location that hosts your applications with their resources

## Access 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 Service Catalog, see [servicatalog](#) in the *AWS CLI Command Reference*.



## AWS Tools for Windows PowerShell

To get started, see the [AWS Tools for PowerShell User Guide](#). For more information about the cmdlets for 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 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 Service Catalog API.

### Administrator Tasks

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

### End User Tasks

1. The user calls [SearchProducts](#) 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](#) with additional search filters until the desired product is found.
3. The user calls [DescribeProductView](#) 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](#) 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](#). 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](#), 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](#) 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](#) 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](#) once more. The outputs identifies the created resources.
9. The user calls [UpdateProvisionedProduct](#) 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](#) 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](#)
- [Provisioning Requests](#)
- [Provisioned Products](#)
- [Provisioned Product Plans](#)
- [Portfolios](#)
- [Principal Association](#)
- [Products](#)
- [Provisioning Artifacts](#)
- [Constraints](#)
- [Service Actions](#)
- [TagOptions](#)
- [AppRegistry](#)

## Product Discovery

Use these operations to discover or get information about products and the launch requirements for them. These operations do not create or modify resources.

### [SearchProducts](#)

Lists all products to which the caller has access.

### [DescribeProduct](#)

Get detailed information about a product.

### [DescribeProductView](#)

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

### [ListLaunchPaths](#)

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](#)

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](#)

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](#)

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](#)

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](#)

Lists all requests performed, even for terminated provisioned products.

### [DescribeRecord](#)

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

### [SearchProvisionedProducts](#)

Gets information about the provisioned products that meet specified criteria.

### [ScanProvisionedProducts](#)

Lists the provisioned products that are not terminated.

### [DescribeProvisionedProduct](#)

Gets information about a provisioned product.

### [ImportAsProvisionedProduct](#)

Requests the import of a resource as a Service Catalog provisioned product that is associated to a Service Catalog product and provisioning artifact. Once imported, all supported Service Catalog governance actions are supported on the provisioned product.

### [UpdateProvisionedProductProperties](#)

Requests updates to the properties of the specified provisioned product.

## Provisioned Product Plans

Use these operations to manage your provisioned product plans. A plan includes the list of resources to create or modify when you execute the plan.

### [CreateProvisionedProductPlan](#)

Creates a plan.

### [DescribeProvisionedProductPlan](#)

Gets information about the resource changes for a plan.

### [ExecuteProvisionedProductPlan](#)

Provisions or modifies a product based on a plan.

### [ListProvisionedProductPlans](#)

Lists the plans for a provisioned product.

### [DeleteProvisionedProductPlan](#)

Deletes a plan.

## Portfolios

Catalog administrators use these operations provide all necessary operations for portfolio management.

### [CreatePortfolio](#)

Creates a portfolio.

### [DeletePortfolio](#)

Deletes a portfolio.

### [DescribePortfolio](#)

Gets detailed information about a portfolio.

### [DescribePortfolioShares](#)

Returns a summary of each of the portfolio shares that were created for the specified portfolio.

### [ListPortfolios](#)

Lists all portfolios in the catalog.

### [ListPortfoliosForProduct](#)

Lists all portfolios that a product is associated with.

### [UpdatePortfolio](#)

Updates a portfolio.

### [UpdatePortfolioShare](#)

Updates a portfolio share.

### [CreatePortfolioShare](#)

Shares a portfolio with an AWS account.

### [DeletePortfolioShare](#)

Stops sharing a portfolio.

### [AcceptPortfolioShare](#)

Accepts an offer to share a portfolio.

### [RejectPortfolioShare](#)

Rejects an offer to share a portfolio.

### [ListAcceptedPortfolioShares](#)

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

### [ListPortfolioAccess](#)

Lists the account IDs that have access to a portfolio.

## Principal Association

Catalog administrators use these operations provide all necessary operations for principal association.

### [AssociatePrincipalWithPortfolio](#)

Associates a principal ARN with a portfolio.

### [DisassociatePrincipalFromPortfolio](#)

Disassociates a principal ARN from a portfolio.

### [ListPrincipalsForPortfolio](#)

Lists all principal ARNs associated with a portfolio.

# Products

Catalog administrators use these operations provide all necessary operations for product management.

## [SearchProductsAsAdmin](#)

Gets summary and status information for products.

## [DescribeProductAsAdmin](#)

Gets information about a product.

## [CreateProduct](#)

Creates a product.

## [CopyProduct](#)

Copies a product.

## [DescribeCopyProductStatus](#)

Gets the status of a copy product operation.

## [UpdateProduct](#)

Updates a product.

## [DeleteProduct](#)

Deletes a product.

## [AssociateProductWithPortfolio](#)

Associates a product with a portfolio.

## [DisassociateProductFromPortfolio](#)

Disassociates a product from a portfolio.

# Provisioning Artifacts

Catalog administrators use these operations to manage provisioning artifacts (also known as product versions).



### [DescribeProvisioningArtifact](#)

Gets information about a provisioning artifact.

### [CreateProvisioningArtifact](#)

Creates a provisioning artifact for a product.

### [DeleteProvisioningArtifact](#)

Deletes a provisioning artifact.

### [ListProvisioningArtifacts](#)

Lists all provisioning artifacts associated with a product.

### [UpdateProvisioningArtifact](#)

Updates a provisioning artifact.

## Constraints

Catalog administrator use these operations manage constraints.

### [CreateConstraint](#)

Creates a constraint.

### [DeleteConstraint](#)

Deletes a constraint.

### [DescribeConstraint](#)

Gets information about a constraint.

### [UpdateConstraint](#)

Updates a constraint.

### [ListConstraintsForPortfolio](#)

Gets constraint information for the a portfolio and product.

## Service Actions

Catalog administrators use these operations to manage service actions.

### [AssociateServiceActionWithProvisioningArtifact](#)

Associates a self-service action with a provisioning artifact.

### [CreateServiceAction](#)

Creates a self-service action.

### [DeleteServiceAction](#)

Deletes a self-service action.

### [DescribeServiceAction](#)

Describes a self-service action.

### [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.

### [ExecuteProvisionedProductServiceAction](#)

Executes a self-service action against a provisioned product.

### [UpdateServiceAction](#)

Updates a self-service action.

## TagOptions

Catalog administrators use these operations to manage TagOptions.

### [CreateTagOption](#)

Creates a TagOption.

### [ListTagOptions](#)

Lists your TagOptions.

### [DescribeTagOption](#)

Describes a TagOption.

### [UpdateTagOption](#)

Updates a TagOption.

### [AssociateTagOptionWithResource](#)

Associates a TagOption with a resource.

### [DisassociateTagOptionFromResource](#)

Disassociates a TagOption from a resource.

### [ListResourcesForTagOption](#)

Lists the resources for a TagOption.

### [DeleteTagOption](#)

Deletes a TagOption.

## AppRegistry

Serves as a repository for your applications, their resources, and the application metadata that you use in your enterprise.

### [AssociateAttributeGroup](#)

Associates an attribute group with an application to augment the application's metadata with the group's attributes.

### [AssociateResource](#)

Associates a resource with an application.

### [CreateApplication](#)

Creates a new application that is the top-level node in a hierarchy of related cloud resource abstractions.

### [CreateAttributeGroup](#)

Creates a new attribute group as a container for user-defined attributes.

### [DeleteApplication](#)

Deletes an application that is specified either by its application ID or name.

### [DeleteAttributeGroup](#)

Deletes an attribute group, specified either by its attribute group ID or name.

### [DisassociateAttributeGroup](#)

Disassociates an attribute group from an application to remove the extra attributes contained in the attribute group from the application's metadata.

### [DisassociateResource](#)

Disassociates a resource from application.

### [GetApplication](#)

Retrieves metadata information about one of your applications.

### [GetAssociatedResource](#)

Gets the resource associated with the application.

### [GetAttributeGroup](#)

Retrieves an attribute group, either by its name or its ID.

### [ListApplications](#)

Lists all attribute groups that are associated with specified application.

### [ListAssociatedAttributeGroups](#)

Lists all attribute groups that are associated with specified application.

### [ListAssociatedResources](#)

Lists all resources that are associated with specified application.

### [ListAttributeGroups](#)

Lists all attribute groups of which you have access.

### [ListAttributeGroupsForApplication](#)

Lists the details of all attribute groups associated with a specific application.

### [ListTagsForResource](#)

Lists all of the tags on the resource.

### [TagResource](#)

Assigns one or more tags (key-value pairs) to the specified resource.

### [SyncResource](#)

Syncs the resource with what is currently recorded in AppRegistry.

### [UntagResource](#)

Removes tags from a resource.

### [UpdateApplication](#)

Updates an existing application with new attributes.

### [UpdateAttributeGroup](#)

Updates an existing attribute group with new details.

# API Reference

The following actions and data types are supported:

- [Actions](#)
- [Data Types](#)

## Actions

The following actions are supported by Service Catalog:

- [AcceptPortfolioShare](#)
- [AssociateBudgetWithResource](#)
- [AssociatePrincipalWithPortfolio](#)
- [AssociateProductWithPortfolio](#)
- [AssociateServiceActionWithProvisioningArtifact](#)
- [AssociateTagOptionWithResource](#)
- [BatchAssociateServiceActionWithProvisioningArtifact](#)
- [BatchDisassociateServiceActionFromProvisioningArtifact](#)
- [CopyProduct](#)
- [CreateConstraint](#)
- [CreatePortfolio](#)
- [CreatePortfolioShare](#)
- [CreateProduct](#)
- [CreateProvisionedProductPlan](#)
- [CreateProvisioningArtifact](#)
- [CreateServiceAction](#)
- [CreateTagOption](#)
- [DeleteConstraint](#)
- [DeletePortfolio](#)
- [DeletePortfolioShare](#)
- [DeleteProduct](#)

- [DeleteProvisionedProductPlan](#)
- [DeleteProvisioningArtifact](#)
- [DeleteServiceAction](#)
- [DeleteTagOption](#)
- [DescribeConstraint](#)
- [DescribeCopyProductStatus](#)
- [DescribePortfolio](#)
- [DescribePortfolioShares](#)
- [DescribePortfolioShareStatus](#)
- [DescribeProduct](#)
- [DescribeProductAsAdmin](#)
- [DescribeProductView](#)
- [DescribeProvisionedProduct](#)
- [DescribeProvisionedProductPlan](#)
- [DescribeProvisioningArtifact](#)
- [DescribeProvisioningParameters](#)
- [DescribeRecord](#)
- [DescribeServiceAction](#)
- [DescribeServiceActionExecutionParameters](#)
- [DescribeTagOption](#)
- [DisableAWSOrganizationsAccess](#)
- [DisassociateBudgetFromResource](#)
- [DisassociatePrincipalFromPortfolio](#)
- [DisassociateProductFromPortfolio](#)
- [DisassociateServiceActionFromProvisioningArtifact](#)
- [DisassociateTagOptionFromResource](#)
- [EnableAWSOrganizationsAccess](#)
- [ExecuteProvisionedProductPlan](#)
- [ExecuteProvisionedProductServiceAction](#)
- [GetAWSOrganizationsAccessStatus](#)

- [GetProvisionedProductOutputs](#)
- [ImportAsProvisionedProduct](#)
- [ListAcceptedPortfolioShares](#)
- [ListBudgetsForResource](#)
- [ListConstraintsForPortfolio](#)
- [ListLaunchPaths](#)
- [ListOrganizationPortfolioAccess](#)
- [ListPortfolioAccess](#)
- [ListPortfolios](#)
- [ListPortfoliosForProduct](#)
- [ListPrincipalsForPortfolio](#)
- [ListProvisionedProductPlans](#)
- [ListProvisioningArtifacts](#)
- [ListProvisioningArtifactsForServiceAction](#)
- [ListRecordHistory](#)
- [ListResourcesForTagOption](#)
- [ListServiceActions](#)
- [ListServiceActionsForProvisioningArtifact](#)
- [ListStackInstancesForProvisionedProduct](#)
- [ListTagOptions](#)
- [NotifyProvisionProductEngineWorkflowResult](#)
- [NotifyTerminateProvisionedProductEngineWorkflowResult](#)
- [NotifyUpdateProvisionedProductEngineWorkflowResult](#)
- [ProvisionProduct](#)
- [RejectPortfolioShare](#)
- [ScanProvisionedProducts](#)
- [SearchProducts](#)
- [SearchProductsAsAdmin](#)
- [SearchProvisionedProducts](#)
- [TerminateProvisionedProduct](#)



- [UpdateConstraint](#)
- [UpdatePortfolio](#)
- [UpdatePortfolioShare](#)
- [UpdateProduct](#)
- [UpdateProvisionedProduct](#)
- [UpdateProvisionedProductProperties](#)
- [UpdateProvisioningArtifact](#)
- [UpdateServiceAction](#)
- [UpdateTagOption](#)

The following actions are supported by AppRegistry:

- [AssociateAttributeGroup](#)
- [AssociateResource](#)
- [CreateApplication](#)
- [CreateAttributeGroup](#)
- [DeleteApplication](#)
- [DeleteAttributeGroup](#)
- [DisassociateAttributeGroup](#)
- [DisassociateResource](#)
- [GetApplication](#)
- [GetAssociatedResource](#)
- [GetAttributeGroup](#)
- [GetConfiguration](#)
- [ListApplications](#)
- [ListAssociatedAttributeGroups](#)
- [ListAssociatedResources](#)
- [ListAttributeGroups](#)
- [ListAttributeGroupsForApplication](#)
- [ListTagsForResource](#)
- [PutConfiguration](#)

- [SyncResource](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateApplication](#)
- [UpdateAttributeGroup](#)

## Service Catalog

The following actions are supported by Service Catalog:

- [AcceptPortfolioShare](#)
- [AssociateBudgetWithResource](#)
- [AssociatePrincipalWithPortfolio](#)
- [AssociateProductWithPortfolio](#)
- [AssociateServiceActionWithProvisioningArtifact](#)
- [AssociateTagOptionWithResource](#)
- [BatchAssociateServiceActionWithProvisioningArtifact](#)
- [BatchDisassociateServiceActionFromProvisioningArtifact](#)
- [CopyProduct](#)
- [CreateConstraint](#)
- [CreatePortfolio](#)
- [CreatePortfolioShare](#)
- [CreateProduct](#)
- [CreateProvisionedProductPlan](#)
- [CreateProvisioningArtifact](#)
- [CreateServiceAction](#)
- [CreateTagOption](#)
- [DeleteConstraint](#)
- [DeletePortfolio](#)
- [DeletePortfolioShare](#)
- [DeleteProduct](#)
- [DeleteProvisionedProductPlan](#)

- [DeleteProvisioningArtifact](#)
- [DeleteServiceAction](#)
- [DeleteTagOption](#)
- [DescribeConstraint](#)
- [DescribeCopyProductStatus](#)
- [DescribePortfolio](#)
- [DescribePortfolioShares](#)
- [DescribePortfolioShareStatus](#)
- [DescribeProduct](#)
- [DescribeProductAsAdmin](#)
- [DescribeProductView](#)
- [DescribeProvisionedProduct](#)
- [DescribeProvisionedProductPlan](#)
- [DescribeProvisioningArtifact](#)
- [DescribeProvisioningParameters](#)
- [DescribeRecord](#)
- [DescribeServiceAction](#)
- [DescribeServiceActionExecutionParameters](#)
- [DescribeTagOption](#)
- [DisableAWSOrganizationsAccess](#)
- [DisassociateBudgetFromResource](#)
- [DisassociatePrincipalFromPortfolio](#)
- [DisassociateProductFromPortfolio](#)
- [DisassociateServiceActionFromProvisioningArtifact](#)
- [DisassociateTagOptionFromResource](#)
- [EnableAWSOrganizationsAccess](#)
- [ExecuteProvisionedProductPlan](#)
- [ExecuteProvisionedProductServiceAction](#)
- [GetAWSOrganizationsAccessStatus](#)
- [GetProvisionedProductOutputs](#)

- [ImportAsProvisionedProduct](#)
- [ListAcceptedPortfolioShares](#)
- [ListBudgetsForResource](#)
- [ListConstraintsForPortfolio](#)
- [ListLaunchPaths](#)
- [ListOrganizationPortfolioAccess](#)
- [ListPortfolioAccess](#)
- [ListPortfolios](#)
- [ListPortfoliosForProduct](#)
- [ListPrincipalsForPortfolio](#)
- [ListProvisionedProductPlans](#)
- [ListProvisioningArtifacts](#)
- [ListProvisioningArtifactsForServiceAction](#)
- [ListRecordHistory](#)
- [ListResourcesForTagOption](#)
- [ListServiceActions](#)
- [ListServiceActionsForProvisioningArtifact](#)
- [ListStackInstancesForProvisionedProduct](#)
- [ListTagOptions](#)
- [NotifyProvisionProductEngineWorkflowResult](#)
- [NotifyTerminateProvisionedProductEngineWorkflowResult](#)
- [NotifyUpdateProvisionedProductEngineWorkflowResult](#)
- [ProvisionProduct](#)
- [RejectPortfolioShare](#)
- [ScanProvisionedProducts](#)
- [SearchProducts](#)
- [SearchProductsAsAdmin](#)
- [SearchProvisionedProducts](#)
- [TerminateProvisionedProduct](#)
- [UpdateConstraint](#)

- [UpdatePortfolio](#)
- [UpdatePortfolioShare](#)
- [UpdateProduct](#)
- [UpdateProvisionedProduct](#)
- [UpdateProvisionedProductProperties](#)
- [UpdateProvisioningArtifact](#)
- [UpdateServiceAction](#)
- [UpdateTagOption](#)

# AcceptPortfolioShare

Service: Service Catalog

Accepts an offer to share the specified portfolio.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

### PortfolioShareType

The type of shared portfolios to accept. The default is to accept imported portfolios.

- `AWS_ORGANIZATIONS` - Accept portfolios shared by the management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)



# AssociateBudgetWithResource

Service: Service Catalog

Associates the specified budget with the specified resource.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### [BudgetName](#)

The name of the budget you want to associate.

Type: String

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

Required: Yes

### [ResourceId](#)

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

- [AWS SDK for Ruby V3](#)

## AssociatePrincipalWithPortfolio

Service: Service Catalog

Associates the specified principal ARN with the specified portfolio.

If you share the portfolio with principal name sharing enabled, the `PrincipalARN` association is included in the share.

The `PortfolioID`, `PrincipalARN`, and `PrincipalType` parameters are required.

You can associate a maximum of 10 Principals with a portfolio using `PrincipalType` as `IAM_PATTERN`.

### Note

When you associate a principal with portfolio, a potential privilege escalation path may occur when that portfolio is then shared with other accounts. For a user in a recipient account who is *not* an Service Catalog Admin, but still has the ability to create Principals (Users/Groups/Roles), that user could create a role that matches a principal name association for the portfolio. Although this user may not know which principal names are associated through Service Catalog, they may be able to guess the user. If this potential escalation path is a concern, then Service Catalog recommends using `PrincipalType` as `IAM`. With this configuration, the `PrincipalARN` must already exist in the recipient account before it can be associated.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

## AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

## PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

## PrincipalARN

The ARN of the principal (user, role, or group). If the `PrincipalType` is IAM, the supported value is a fully defined [IAM Amazon Resource Name \(ARN\)](#). If the `PrincipalType` is IAM\_PATTERN, the supported value is an IAM ARN *without an AccountID* in the following format:

*arn:partition:iam:::resource-type/resource-id*

The ARN resource-id can be either:

- A fully formed resource-id. For example, *arn:aws:iam:::role/resource-name* or *arn:aws:iam:::role/resource-path/resource-name*
- A wildcard ARN. The wildcard ARN accepts IAM\_PATTERN values with a "\*" or "?" in the resource-id segment of the ARN. For example *arn:partition:service:::resource-type/resource-path/resource-name*. The new symbols are exclusive to the **resource-path** and **resource-name** and cannot replace the **resource-type** or other ARN values.

The ARN path and principal name allow unlimited wildcard characters.

Examples of an **acceptable** wildcard ARN:

- `arn:aws:iam:::role/ResourceName_*`
- `arn:aws:iam:::role/*/ResourceName_?`

Examples of an **unacceptable** wildcard ARN:

- `arn:aws:iam::*/ResourceName`

You can associate multiple IAM\_PATTERNS even if the account has no principal with that name.

The "?" wildcard character matches zero or one of any character. This is similar to "." in regular regex context. The "\*" wildcard character matches any number of any characters. This is similar to "." in regular regex context.

In the IAM Principal ARN format (*arn:partition:iam:::resource-type/resource-path/resource-name*), valid resource-type values include **user/**, **group/**, or **role/**. The "?" and "\*" characters are allowed only after the resource-type in the resource-id segment. You can use special characters anywhere within the resource-id.

The "\*" character also matches the "/" character, allowing paths to be formed *within* the resource-id. For example, *arn:aws:iam:::role/\*/ResourceName\_?* matches both *arn:aws:iam:::role/pathA/pathB/ResourceName\_1* and *arn:aws:iam:::role/pathA/ResourceName\_1*.

Type: String

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

Required: Yes

### PrincipalType

The principal type. The supported value is IAM if you use a fully defined Amazon Resource Name (ARN), or IAM\_PATTERN if you use an ARN with no accountID, with or without wildcard characters.

Type: String

Valid Values: IAM | IAM\_PATTERN

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





## AssociateProductWithPortfolio

Service: Service Catalog

Associates the specified product with the specified portfolio.

A delegated admin is authorized to invoke this command.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

## **ProductId**

The product identifier.

Type: String

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

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

Required: Yes

## **SourcePortfolioId**

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

# AssociateServiceActionWithProvisioningArtifact

Service: Service Catalog

Associates a self-service action with a provisioning artifact.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

A unique identifier that you provide to ensure idempotency. If multiple requests from the same AWS account use the same idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: No

### **ProductId**

The product identifier. For example, prod-abcdek7xy33qa.

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-4abcdjnxjj6ne.

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

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

## AssociateTagOptionWithResource

Service: Service Catalog

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

The resource identifier.

Type: String

Required: Yes

#### TagOptionId

The TagOption identifier.

Type: String

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

Required: Yes

### Response Elements

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

### Errors

#### DuplicateResourceException

The specified resource is a duplicate.

HTTP Status Code: 400

### **InvalidParametersException**

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

HTTP Status Code: 400

### **InvalidStateException**

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

HTTP Status Code: 400

### **LimitExceededException**

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

HTTP Status Code: 400

### **ResourceNotFoundException**

The specified resource was not found.

HTTP Status Code: 400

### **TagOptionNotMigratedException**

An operation requiring TagOptions failed because the TagOptions migration process has not been performed for this account. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# BatchAssociateServiceActionWithProvisioningArtifact

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### ServiceActionAssociations

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

Type: Array of [ServiceActionAssociation](#) 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](#)

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

Type: Array of [FailedServiceActionAssociation](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# BatchDisassociateServiceActionFromProvisioningArtifact

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### ServiceActionAssociations

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

Type: Array of [ServiceActionAssociation](#) 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](#)

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

Type: Array of [FailedServiceActionAssociation](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# CopyProduct

Service: Service Catalog

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. If you copy a product to another account, you must first share the product in a portfolio using [CreatePortfolioShare](#).

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

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### [AcceptLanguage](#)

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.



Required: No

### CopyOptions

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

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

Type: String

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

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

Required: Yes

### SourceProductArn

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

Type: String

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

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

Required: Yes

### SourceProvisioningArtifactIdentifiers

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

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

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

```
{
  "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

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

## CreateConstraint

Service: Service Catalog

Creates a constraint.

A delegated admin is authorized to invoke this command.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Description

The description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

### IdempotencyToken

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

Type: String

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

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

Required: Yes

### Parameters

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: Yes

### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

### ProductId

The product identifier.

Type: String

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

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

Required: Yes

### Type

The type of constraint.

- LAUNCH
- NOTIFICATION
- RESOURCE\_UPDATE
- STACKSET
- TEMPLATE

Type: String

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

Required: Yes

## Response Syntax

```
{
  "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

Information about the constraint.

Type: [ConstraintDetail](#) object

### ConstraintParameters

The constraint parameters.

Type: String

### Status

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

# CreatePortfolio

Service: Service Catalog

Creates a portfolio.

A delegated admin is authorized to invoke this command.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Description

The description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

### DisplayName

The name to use for display purposes.

Type: String

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

Required: Yes

### IdempotencyToken

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

Type: String

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

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

Required: Yes

### ProviderName

The name of the portfolio provider.

Type: String

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

Required: Yes

### Tags

One or more tags.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 20 items.

Required: No

## Response Syntax

```
{
  "PortfolioDetail": {
    "ARN": "string",
    "CreatedTime": number,
    "Description": "string",
    "DisplayName": "string",
    "Id": "string",
    "ProviderName": "string"
  },
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Response Elements

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

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

### PortfolioDetail

Information about the portfolio.

Type: [PortfolioDetail](#) object

### Tags

Information about the tags associated with the portfolio.

Type: Array of [Tag](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
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- [AWS SDK for PHP V3](#)
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## CreatePortfolioShare

Service: Service Catalog

Shares the specified portfolio with the specified account or organization node. Shares to an organization node can only be created by the management account of an organization or by a delegated administrator. You can share portfolios to an organization, an organizational unit, or a specific account.

Note that if a delegated admin is de-registered, they can no longer create portfolio shares.

AWSOrganizationsAccess must be enabled in order to create a portfolio share to an organization node.

You can't share a shared resource, including portfolios that contain a shared product.

If the portfolio share with the specified account or organization node already exists, this action will have no effect and will not return an error. To update an existing share, you must use the UpdatePortfolioShare API instead.

### Note

When you associate a principal with portfolio, a potential privilege escalation path may occur when that portfolio is then shared with other accounts. For a user in a recipient account who is *not* an Service Catalog Admin, but still has the ability to create Principals (Users/Groups/Roles), that user could create a role that matches a principal name association for the portfolio. Although this user may not know which principal names are associated through Service Catalog, they may be able to guess the user. If this potential escalation path is a concern, then Service Catalog recommends using PrincipalType as IAM. With this configuration, the PrincipalARN must already exist in the recipient account before it can be associated.

## Request Syntax

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

```
},  
  "PortfolioId": "string",  
  "SharePrincipals": boolean,  
  "ShareTagOptions": boolean  
}
```

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### AccountId

The AWS account ID. For example, 123456789012.

Type: String

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

Required: No

### OrganizationNode

The organization node to whom you are going to share. When you pass `OrganizationNode`, it creates `PortfolioShare` for all of the AWS accounts that are associated to the `OrganizationNode`. The output returns a `PortfolioShareToken`, which enables the administrator to monitor the status of the `PortfolioShare` creation process.

Type: [OrganizationNode](#) object

Required: No

## PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

## SharePrincipals

This parameter is only supported for portfolios with an **OrganizationalNode** Type of `ORGANIZATION` or `ORGANIZATIONAL_UNIT`.

Enables or disables `Principal` sharing when creating the portfolio share. If you do **not** provide this flag, principal sharing is disabled.

When you enable Principal Name Sharing for a portfolio share, the share recipient account end users with a principal that matches any of the associated IAM patterns can provision products from the portfolio. Once shared, the share recipient can view associations of `PrincipalType`: `IAM_PATTERN` on their portfolio. You can create the principals in the recipient account before or after creating the share.

Type: Boolean

Required: No

## ShareTagOptions

Enables or disables `TagOptions` sharing when creating the portfolio share. If this flag is not provided, `TagOptions` sharing is disabled.

Type: Boolean

Required: No

## Response Syntax

```
{
  "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

The portfolio shares a unique identifier that only returns if the 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# CreateProduct

Service: Service Catalog

Creates a product.

A delegated admin is authorized to invoke this command.

The user or role that performs this operation must have the `cloudformation:GetTemplate` IAM policy permission. This policy permission is required when using the `ImportFromPhysicalId` template source in the information data section.

## 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"
  },
  "SourceConnection": {
    "ConnectionParameters": {
      "CodeStar": {
        "ArtifactPath": "string",
        "Branch": "string",
        "ConnectionArn": "string",
        "Repository": "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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Description

The description of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### Distributor

The distributor of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

## IdempotencyToken

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

Type: String

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

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

Required: Yes

## Name

The name of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: Yes

## Owner

The owner of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: Yes

## ProductType

The type of product.

Type: String

Length Constraints: Maximum length of 8191.

Valid Values: `CLOUD_FORMATION_TEMPLATE` | `MARKETPLACE` | `TERRAFORM_OPEN_SOURCE` | `EXTERNAL` | `TERRAFORM_CLOUD`

Required: Yes

## ProvisioningArtifactParameters

The configuration of the provisioning artifact.

Type: [ProvisioningArtifactProperties](#) object

Required: No

## SourceConnection

Specifies connection details for the created product and syncs the product to the connection source artifact. This automatically manages the product's artifacts based on changes to the source. The SourceConnection parameter consists of the following sub-fields.

- Type
- ConnectionParameters

Type: [SourceConnection](#) object

Required: No

## SupportDescription

The support information about the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

## SupportEmail

The contact email for product support.

Type: String

Length Constraints: Maximum length of 254.

Required: No

## SupportUrl

The contact URL for product support.

`^https?:\\//` / is the pattern used to validate SupportUrl.

Type: String

Length Constraints: Maximum length of 2083.

Required: No

## Tags

One or more tags.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 20 items.

Required: No

## Response Syntax

```
{
  "ProductViewDetail": {
    "CreatedTime": number,
    "ProductARN": "string",
    "ProductViewSummary": {
      "Distributor": "string",
      "HasDefaultPath": boolean,
      "Id": "string",
      "Name": "string",
      "Owner": "string",
      "ProductId": "string",
      "ShortDescription": "string",
      "SupportDescription": "string",
      "SupportEmail": "string",
      "SupportUrl": "string",
      "Type": "string"
    },
    "SourceConnection": {
      "ConnectionParameters": {
        "CodeStar": {
          "ArtifactPath": "string",
          "Branch": "string",
          "ConnectionArn": "string",
          "Repository": "string"
        }
      }
    }
  },
}
```

```

    "LastSync": {
      "LastSuccessfulSyncProvisioningArtifactId": "string",
      "LastSuccessfulSyncTime": number,
      "LastSyncStatus": "string",
      "LastSyncStatusMessage": "string",
      "LastSyncTime": number
    },
    "Type": "string"
  },
  "Status": "string"
},
"ProvisioningArtifactDetail": {
  "Active": boolean,
  "CreatedTime": number,
  "Description": "string",
  "Guidance": "string",
  "Id": "string",
  "Name": "string",
  "SourceRevision": "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

Information about the product view.

Type: ProductViewDetail object

### ProvisioningArtifactDetail

Information about the provisioning artifact.



Type: [ProvisioningArtifactDetail](#) object

## **Tags**

Information about the tags associated with the product.

Type: Array of [Tag](#) 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. Use the AWS Management 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 v2](#)

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

# CreateProvisionedProductPlan

Service: Service Catalog

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 for each 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](#). To create or modify the provisioned product, use [ExecuteProvisionedProductPlan](#).

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

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

Type: String

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

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

Required: Yes

### NotificationArns

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

Type: Array of strings

Array Members: Maximum number of 5 items.

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

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

Required: No

## **PathId**

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

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: Yes

## **PlanType**

The plan type.

Type: String

Valid Values: CLOUDFORMATION

Required: Yes

## **ProductId**

The product identifier.

Type: String

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

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

Required: Yes

## ProvisionedProductName

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

Type: String

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

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

Required: Yes

## ProvisioningArtifactId

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

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

Type: Array of [UpdateProvisioningParameter](#) objects

Required: No

## Tags

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](#) objects

Array Members: Maximum number of 50 items.

Required: No

## Response Syntax

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

## Response Elements

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

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

### PlanId

The plan identifier.

Type: String

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

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

### PlanName

The name of the plan.

Type: String

### ProvisionedProductName

The user-friendly name of the provisioned product.

Type: String

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

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

### ProvisioningArtifactId

The identifier of the provisioning artifact.

Type: String

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

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

### **ProvisionProductId**

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

# CreateProvisioningArtifact

Service: Service Catalog

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.

The user or role that performs this operation must have the `cloudformation:GetTemplate` IAM policy permission. This policy permission is required when using the `ImportFromPhysicalId` template source in the information data section.

## Request Syntax

```
{
  "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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

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

Type: String

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

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

Required: Yes

### Parameters

The configuration for the provisioning artifact.

Type: [ProvisioningArtifactProperties](#) object

Required: Yes

### ProductId

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",
  "SourceRevision": "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

Specify the template source with one of the following options, but not both. Keys accepted: [ LoadTemplateFromURL, ImportFromPhysicalId ].

Use the URL of the AWS CloudFormation template in Amazon S3 or GitHub in JSON format.

LoadTemplateFromURL

Use the URL of the AWS CloudFormation template in Amazon S3 or GitHub in JSON format.

ImportFromPhysicalId

Use the physical id of the resource that contains the template; currently supports AWS CloudFormation stack ARN.

Type: String to string map

Map Entries: Maximum number of 100 items.

### ProvisioningArtifactDetail

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail](#) object

### Status

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

## Examples

### To create a provisioning artifact

The following shows an example JSON request.

### Sample Request

```
{
  "AcceptLanguage": "en",
  "ProductId": "prod-mjpbjbit3pzuqi",
  "Parameters":
  {
    "Name": "Version-2",
    "Description": "my-test-2",
    "Info":
    {
      "LoadTemplateFromURL": "https://s3.amazonaws.com/cf-templates-ozkq9d3hgiq2-us-east-1/..." ,

```

```
    },  
    "Type": "CLOUDFORMATION_TEMPLATE"  
    "IdempotencyToken": "my-test-token-2"  
  }  
}
```

## See Also

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

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

## CreateServiceAction

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Definition

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

Map Entries: Maximum number of 100 items.

Valid Keys: Name | Version | AssumeRole | Parameters

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

Required: Yes

### DefinitionType

The service action definition type. For example, SSM\_AUTOMATION.

Type: String

Valid Values: SSM\_AUTOMATION

Required: Yes

### Description

The self-service action description.

Type: String



Length Constraints: Maximum length of 1024.

Required: No

### IdempotencyToken

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

Type: String

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

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

Required: Yes

### Name

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

```
{
  "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

An object containing information about the self-service action.

Type: [ServiceActionDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

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

## CreateTagOption

Service: Service Catalog

Creates a TagOption.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### Key

The TagOption key.

Type: String

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

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

Required: Yes

#### Value

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",  
  "Owner": "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

Information about the TagOption.

Type: [TagOptionDetail](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## DeleteConstraint

Service: Service Catalog

Deletes the specified constraint.

A delegated admin is authorized to invoke this command.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Id

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



## DeletePortfolio

Service: Service Catalog

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.

A delegated admin is authorized to invoke this command.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: 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: 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DeletePortfolioShare

Service: Service Catalog

Stops sharing the specified portfolio with the specified account or organization node. Shares to an organization node can only be deleted by the management account of an organization or by a delegated administrator.

Note that if a delegated admin is de-registered, portfolio shares created from that account are removed.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### AccountId

The AWS account ID.

Type: String

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

Required: No

### OrganizationNode

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

Type: [OrganizationNode](#) object

Required: No

### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

## Response Syntax

```
{
  "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

The portfolio share unique identifier. This will only be returned if delete is made 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

### **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

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

## DeleteProduct

Service: Service Catalog

Deletes the specified product.

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

A delegated admin is authorized to invoke this command.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Id

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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)

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

## DeleteProvisionedProductPlan

Service: Service Catalog

Deletes the specified plan.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### IgnoreErrors

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

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



## DeleteProvisioningArtifact

Service: Service Catalog

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

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### ProductId

The product identifier.

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.

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



## DeleteServiceAction

Service: Service Catalog

Deletes a self-service action.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Id

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

## **IdempotencyToken**

A unique identifier that you provide to ensure idempotency. If multiple requests from the same AWS account use the same idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: No

## **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 v2](#)

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

## DeleteTagOption

Service: Service Catalog

Deletes the specified TagOption.

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### Id

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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## DescribeConstraint

Service: Service Catalog

Gets information about the specified constraint.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Id

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

```
{
```

```
"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

Information about the constraint.

Type: [ConstraintDetail](#) object

### ConstraintParameters

The constraint parameters.

Type: String

### Status

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



# DescribeCopyProductStatus

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### CopyProductToken

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

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

The status of the copy product operation.

Type: String

Valid Values: SUCCEEDED | IN\_PROGRESS | FAILED

### StatusDetail

The status message.

Type: String

### TargetProductId

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

## DescribePortfolio

Service: Service Catalog

Gets information about the specified portfolio.

A delegated admin is authorized to invoke this command.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: 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: Yes

## Response Syntax

```
{
  "Budgets": [
    {
      "BudgetName": "string"
    }
  ],
  "PortfolioDetail": {
    "ARN": "string",
    "CreatedTime": number,
    "Description": "string",
    "DisplayName": "string",
    "Id": "string",
    "ProviderName": "string"
  },
  "TagOptions": [
    {
      "Active": boolean,
      "Id": "string",
      "Key": "string",
      "Owner": "string",
      "Value": "string"
    }
  ],
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Response Elements

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

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

### Budgets

Information about the associated budgets.

Type: Array of [BudgetDetail](#) objects

## [PortfolioDetail](#)

Information about the portfolio.

Type: [PortfolioDetail](#) object

## [TagOptions](#)

Information about the TagOptions associated with the portfolio.

Type: Array of [TagOptionDetail](#) objects

## [Tags](#)

Information about the tags associated with the portfolio.

Type: Array of [Tag](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

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

## DescribePortfolioShares

Service: Service Catalog

Returns a summary of each of the portfolio shares that were created for the specified portfolio.

You can use this API to determine which accounts or organizational nodes this portfolio have been shared, whether the recipient entity has imported the share, and whether TagOptions are included with the share.

The PortfolioId and Type parameters are both required.

### Request Syntax

```
{  
  "DeduplicateShares": boolean,  
  "IncludeAllMemberAccounts": boolean,  
  "PageSize": number,  
  "PageToken": "string",  
  "PortfolioId": "string",  
  "Status": "string",  
  "Type": "string"  
}
```

### Request Parameters

The request accepts the following data in JSON format.

#### DeduplicateShares

Type: Boolean

Required: No

#### IncludeAllMemberAccounts

>

Type: Boolean

Required: No

#### PageSize

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

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

### PortfolioId

The unique identifier of the portfolio for which shares will be retrieved.

Type: String

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

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

Required: Yes

### Status

Status of the portfolio share operation.

Type: String

Valid Values: NOT\_STARTED | IN\_PROGRESS | COMPLETED | COMPLETED\_WITH\_ERRORS  
| ERROR

Required: No

### Type

The type of portfolio share to summarize. This field acts as a filter on the type of portfolio share, which can be one of the following:

1. ACCOUNT - Represents an external account to account share.

2. ORGANIZATION - Represents a share to an organization. This share is available to every account in the organization.
3. ORGANIZATIONAL\_UNIT - Represents a share to an organizational unit.
4. ORGANIZATION\_MEMBER\_ACCOUNT - Represents a share to an account in the organization.

Type: String

Valid Values: ACCOUNT | ORGANIZATION | ORGANIZATIONAL\_UNIT | ORGANIZATION\_MEMBER\_ACCOUNT

Required: No

## Response Syntax

```
{
  "NextPageToken": "string",
  "PortfolioShareDetails": [
    {
      "Accepted": boolean,
      "PrincipalARN": "string",
      "PrincipalId": "string",
      "SharePrincipals": boolean,
      "ShareTagOptions": boolean,
      "Status": "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

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]*`

### **PortfolioShareDetails**

Summaries about each of the portfolio shares.

Type: Array of [PortfolioShareDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

## DescribePortfolioShareStatus

Service: Service Catalog

Gets the status of the specified portfolio share operation. This API can only be called by the management account in the organization or by a delegated admin.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### PortfolioShareToken

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

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

Type: String

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

The portfolio identifier.

Type: String

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

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

### PortfolioShareToken

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](#)

Information about the portfolio share operation.

Type: [ShareDetails](#) object

## [Status](#)

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



# DescribeProduct

Service: Service Catalog

Gets information about the specified product.

## Note

Running this operation with administrator access results in a failure.  
[DescribeProductAsAdmin](#) should be used instead.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Id

The product identifier.

Type: String

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

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

Required: No

### Name

The product name.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### Response Syntax

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

```
    "Description": "string",
    "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.

### Budgets

Information about the associated budgets.

Type: Array of [BudgetDetail](#) objects

### LaunchPaths

Information about the associated launch paths.

Type: Array of [LaunchPath](#) objects

### ProductViewSummary

Summary information about the product view.

Type: [ProductViewSummary](#) object

### ProvisioningArtifacts

Information about the provisioning artifacts for the specified product.

Type: Array of [ProvisioningArtifact](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## DescribeProductAsAdmin

Service: Service Catalog

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Id

The product identifier.

Type: String

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

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

Required: No

#### Name

The product name.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### SourcePortfolioId

The unique identifier of the shared portfolio that the specified product is associated with.

You can provide this parameter to retrieve the shared TagOptions associated with the product. If this parameter is provided and if TagOptions sharing is enabled in the portfolio share, the API returns both local and shared TagOptions associated with the product. Otherwise only local TagOptions will be returned.

Type: String

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

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

Required: No

## Response Syntax

```
{
  "Budgets": [
    {
      "BudgetName": "string"
    }
  ],
  "ProductViewDetail": {
    "CreateTime": 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"
  },
  "SourceConnection": {
    "ConnectionParameters": {
      "CodeStar": {
        "ArtifactPath": "string",
        "Branch": "string",
        "ConnectionArn": "string",
        "Repository": "string"
      }
    },
    "LastSync": {
      "LastSuccessfulSyncProvisioningArtifactId": "string",
      "LastSuccessfulSyncTime": number,
      "LastSyncStatus": "string",
      "LastSyncStatusMessage": "string",
      "LastSyncTime": number
    },
    "Type": "string"
  },
  "Status": "string"
},
"ProvisioningArtifactSummaries": [
  {
    "CreatedTime": number,
    "Description": "string",
    "Id": "string",
    "Name": "string",
    "ProvisioningArtifactMetadata": {
      "string" : "string"
    }
  }
],
"TagOptions": [
  {
    "Active": boolean,
    "Id": "string",
    "Key": "string",
    "Owner": "string",
    "Value": "string"
  }
],
"Tags": [

```

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

## Response Elements

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

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

### Budgets

Information about the associated budgets.

Type: Array of [BudgetDetail](#) objects

### ProductViewDetail

Information about the product view.

Type: [ProductViewDetail](#) object

### ProvisioningArtifactSummaries

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

Type: Array of [ProvisioningArtifactSummary](#) objects

### TagOptions

Information about the TagOptions associated with the product.

Type: Array of [TagOptionDetail](#) objects

### Tags

Information about the tags associated with the product.

Type: Array of [Tag](#) 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

## See Also

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

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

## DescribeProductView

Service: Service Catalog

Gets information about the specified product.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

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: Yes

### Response Syntax

```
{
```

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

### ProductViewSummary

Summary information about the product.

Type: [ProductViewSummary](#) object

### ProvisioningArtifacts

Information about the provisioning artifacts for the product.

Type: Array of [ProvisioningArtifact](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## DescribeProvisionedProduct

Service: Service Catalog

Gets information about the specified provisioned product.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Id

The provisioned product identifier. You must provide the name or ID, but not both.

If you do not provide a name or ID, or you provide both name and ID, an `InvalidParametersException` will occur.

Type: String

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

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

Required: No

### Name

The name of the provisioned product. You must provide the name or ID, but not both.

If you do not provide a name or ID, or you provide both name and ID, an `InvalidParametersException` will occur.

Type: String

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

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

Required: No

### Response Syntax

```
{
  "CloudWatchDashboards": [
    {
      "Name": "string"
    }
  ],
  "ProvisionedProductDetail": {
    "Arn": "string",
    "CreatedTime": number,
    "Id": "string",
    "IdempotencyToken": "string",
    "LastProvisioningRecordId": "string",
    "LastRecordId": "string",
    "LastSuccessfulProvisioningRecordId": "string",
    "LaunchRoleArn": "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.

### CloudWatchDashboards

Any CloudWatch dashboards that were created when provisioning the product.

Type: Array of [CloudWatchDashboard](#) objects

### ProvisionedProductDetail

Information about the provisioned product.

Type: [ProvisionedProductDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)

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



## DescribeProvisionedProductPlan

Service: Service Catalog

Gets information about the resource changes for the specified plan.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

The plan identifier.

Type: String

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

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

Required: Yes

## Response Syntax

```
{
  "NextPageToken": "string",
  "ProvisionedProductPlanDetails": {
    "CreatedTime": number,
    "NotificationArns": [ "string" ],
    "PathId": "string",
    "PlanId": "string",
    "PlanName": "string",
    "PlanType": "string",
    "ProductId": "string",
    "ProvisioningArtifactId": "string",
    "ProvisioningParameters": [
      {
        "Key": "string",
        "UsePreviousValue": boolean,
        "Value": "string"
      }
    ],
    "ProvisionProductId": "string",
    "ProvisionProductName": "string",
    "Status": "string",
```

```

    "StatusMessage": "string",
    "Tags": [
      {
        "Key": "string",
        "Value": "string"
      }
    ],
    "UpdateTime": number
  },
  "ResourceChanges": [
    {
      "Action": "string",
      "Details": [
        {
          "CausingEntity": "string",
          "Evaluation": "string",
          "Target": {
            "Attribute": "string",
            "Name": "string",
            "RequiresRecreation": "string"
          }
        }
      ],
      "LogicalResourceId": "string",
      "PhysicalResourceId": "string",
      "Replacement": "string",
      "ResourceType": "string",
      "Scope": [ "string" ]
    }
  ]
}

```

## Response Elements

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

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

### NextPageToken

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**

Information about the plan.

Type: [ProvisionedProductPlanDetails](#) object

### **ResourceChanges**

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

Type: Array of [ResourceChange](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

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

## DescribeProvisioningArtifact

Service: Service Catalog

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### IncludeProvisioningArtifactParameters

Indicates if the API call response does or does not include additional details about the provisioning parameters.

Type: Boolean

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

## ProductName

The product name.

Type: String

Length Constraints: Maximum length of 8191.

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

## ProvisioningArtifactName

The provisioning artifact name.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

## Verbose

Indicates whether a verbose level of detail is enabled.

Type: Boolean

Required: No

## Response Syntax

```
{
  "Info": {
    "string" : "string"
  },
  "ProvisioningArtifactDetail": {
    "Active": boolean,
    "CreatedTime": number,
    "Description": "string",
    "Guidance": "string",
    "Id": "string",
    "Name": "string",
    "SourceRevision": "string",
    "Type": "string"
  },
  "ProvisioningArtifactParameters": [
    {
      "DefaultValue": "string",
      "Description": "string",
      "IsNoEcho": boolean,
      "ParameterConstraints": {
        "AllowedPattern": "string",
        "AllowedValues": [ "string" ],
        "ConstraintDescription": "string",
        "MaxLength": "string",
        "MaxValue": "string",
        "MinLength": "string",
        "MinValue": "string"
      },
      "ParameterKey": "string",
      "ParameterType": "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

The URL of the AWS CloudFormation template in Amazon S3 or GitHub in JSON format.

Type: String to string map

Map Entries: Maximum number of 100 items.

### ProvisioningArtifactDetail

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail](#) object

### ProvisioningArtifactParameters

Information about the parameters used to provision the product.

Type: Array of [ProvisioningArtifactParameter](#) objects

### Status

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

## DescribeProvisioningParameters

Service: Service Catalog

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](#), do not include conflicted TagOption keys as tags, or this causes the error "Parameter validation failed: Missing required parameter in Tags[N]:Value". Tag the provisioned product with the value `sc-tagoption-conflict-portfolioId-productId`.

### Request Syntax

```
{
  "AcceptLanguage": "string",
  "PathId": "string",
  "PathName": "string",
  "ProductId": "string",
  "ProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningArtifactName": "string"
}
```

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

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](#). You must provide the name or ID, but not both.

Type: String

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

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

Required: No

## **PathName**

The name of the path. You must provide the name or ID, but not both.

Type: String

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

Required: No

## **ProductId**

The product identifier. You must provide the product name or ID, but not both.

Type: String

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

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

Required: No

## **ProductName**

The name of the product. You must provide the name or ID, but not both.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

## ProvisioningArtifactId

The identifier of the provisioning artifact. You must provide the name or ID, but not both.

Type: String

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

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

Required: No

## ProvisioningArtifactName

The name of the provisioning artifact. You must provide the name or ID, but not both.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

## Response Syntax

```
{
  "ConstraintSummaries": [
    {
      "Description": "string",
      "Type": "string"
    }
  ],
  "ProvisioningArtifactOutputKeys": [
    {
      "Description": "string",
      "Key": "string"
    }
  ],
  "ProvisioningArtifactOutputs": [
    {
      "Description": "string",
      "Key": "string"
    }
  ],
  "ProvisioningArtifactParameters": [
```

```

{
  "DefaultValue": "string",
  "Description": "string",
  "IsNoEcho": boolean,
  "ParameterConstraints": {
    "AllowedPattern": "string",
    "AllowedValues": [ "string" ],
    "ConstraintDescription": "string",
    "MaxLength": "string",
    "MaxValue": "string",
    "MinLength": "string",
    "MinValue": "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

Information about the constraints used to provision the product.

Type: Array of [ConstraintSummary](#) objects

### **ProvisioningArtifactOutputKeys**

A list of the keys and descriptions of the outputs. These outputs can be referenced from a provisioned product launched from this provisioning artifact.

Type: Array of [ProvisioningArtifactOutput](#) objects

Array Members: Maximum number of 60 items.

### **ProvisioningArtifactOutputs**

*This parameter has been deprecated.*

The output of the provisioning artifact.

Type: Array of [ProvisioningArtifactOutput](#) objects

Array Members: Maximum number of 60 items.

### **ProvisioningArtifactParameters**

Information about the parameters used to provision the product.

Type: Array of [ProvisioningArtifactParameter](#) objects

### **ProvisioningArtifactPreferences**

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

Type: [ProvisioningArtifactPreferences](#) object

### **TagOptions**

Information about the TagOptions associated with the resource.

Type: Array of [TagOptionSummary](#) objects

### **UsageInstructions**

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

Type: Array of [UsageInstruction](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)



# DescribeRecord

Service: Service Catalog

Gets information about the specified request operation.

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

## Note

If a provisioned product was transferred to a new owner using [UpdateProvisionedProductProperties](#), 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](#) to see the product's history from when he was the owner.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### [AcceptLanguage](#)

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

## Id

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

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

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

```
{
  "NextPageToken": "string",
  "RecordDetail": {
    "CreatedTime": number,
    "LaunchRoleArn": "string",
    "PathId": "string",
    "ProductId": "string",
```

```

    "ProvisionedProductId": "string",
    "ProvisionedProductName": "string",
    "ProvisionedProductType": "string",
    "ProvisioningArtifactId": "string",
    "RecordErrors": [
      {
        "Code": "string",
        "Description": "string"
      }
    ],
    "RecordId": "string",
    "RecordTags": [
      {
        "Key": "string",
        "Value": "string"
      }
    ],
    "RecordType": "string",
    "Status": "string",
    "UpdateTime": number
  },
  "RecordOutputs": [
    {
      "Description": "string",
      "OutputKey": "string",
      "OutputValue": "string"
    }
  ]
}

```

## Response Elements

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

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

### NextPageToken

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]*`

## RecordDetail

Information about the product.

Type: [RecordDetail](#) object

## RecordOutputs

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

## DescribeServiceAction

Service: Service Catalog

Describes a self-service action.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

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: Yes

### Response Syntax

```
{
```

```
"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](#)

Detailed information about the self-service action.

Type: [ServiceActionDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## DescribeServiceActionExecutionParameters

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### ProvisionedProductId

The identifier of the provisioned product.

Type: String

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

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

Required: Yes



## [ServiceActionId](#)

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](#)

The parameters of the self-service action.

Type: Array of [ExecutionParameter](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# DescribeTagOption

Service: Service Catalog

Gets information about the specified TagOption.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### Id

The TagOption identifier.

Type: String

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

Required: Yes

## Response Syntax

```
{  
  "TagOptionDetail": {  
    "Active": boolean,  
    "Id": "string",  
    "Key": "string",  
    "Owner": "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](#)

Information about the TagOption.

Type: [TagOptionDetail](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## DisableAWSOrganizationsAccess

Service: Service Catalog

Disable portfolio sharing through the AWS Organizations service. This command will not delete your current shares, but prevents you from creating new shares throughout your organization. Current shares are not kept in sync with your organization structure if the structure changes after calling this API. Only the management account in the organization can call this API.

You cannot call this API if there are active delegated administrators in the organization.

Note that a delegated administrator is not authorized to invoke `DisableAWSOrganizationsAccess`.

### Important

If you share an Service Catalog portfolio in an organization within AWS Organizations, and then disable Organizations access for Service Catalog, the portfolio access permissions will not sync with the latest changes to the organization structure. Specifically, accounts that you removed from the organization after disabling Service Catalog access will retain access to the previously shared portfolio.

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

# DisassociateBudgetFromResource

Service: Service Catalog

Disassociates the specified budget from the specified resource.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### BudgetName

The name of the budget you want to disassociate.

Type: String

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

Required: Yes

### ResourceId

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



# DisassociatePrincipalFromPortfolio

Service: Service Catalog

Disassociates a previously associated principal ARN from a specified portfolio.

The `PrincipalType` and `PrincipalARN` must match the `AssociatePrincipalWithPortfolio` call request details. For example, to disassociate an association created with a `PrincipalARN` of `PrincipalType` IAM you must use the `PrincipalType` IAM when calling `DisassociatePrincipalFromPortfolio`.

For portfolios that have been shared with principal name sharing enabled: after disassociating a principal, share recipient accounts will no longer be able to provision products in this portfolio using a role matching the name of the associated principal.

For more information, review [associate-principal-with-portfolio](#) in the AWS CLI Command Reference.

## Note

If you disassociate a principal from a portfolio, with `PrincipalType` as IAM, the same principal will still have access to the portfolio if it matches one of the associated principals of type `IAM_PATTERN`. To fully remove access for a principal, verify all the associated Principals of type `IAM_PATTERN`, and then ensure you disassociate any `IAM_PATTERN` principals that match the principal whose access you are removing.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

## AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

## PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

## PrincipalARN

The ARN of the principal (user, role, or group). This field allows an ARN with no accountID with or without wildcard characters if `PrincipalType` is `IAM_PATTERN`.

Type: String

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

Required: Yes

## PrincipalType

The supported value is `IAM` if you use a fully defined ARN, or `IAM_PATTERN` if you specify an IAM ARN with no `AccountId`, with or without wildcard characters.

Type: String

Valid Values: `IAM` | `IAM_PATTERN`

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

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

# DisassociateProductFromPortfolio

Service: Service Catalog

Disassociates the specified product from the specified portfolio.

A delegated admin is authorized to invoke this command.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

## **ProductId**

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

# DisassociateServiceActionFromProvisioningArtifact

Service: Service Catalog

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

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

A unique identifier that you provide to ensure idempotency. If multiple requests from the same AWS account use the same idempotency token, the same response is returned for each repeated request.

Type: String

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

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

Required: No

### ProductId

The product identifier. For example, prod-abcdek7xy33qa.

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-4abcdjnxjj6ne.

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

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

## DisassociateTagOptionFromResource

Service: Service Catalog

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

The resource identifier.

Type: String

Required: Yes

#### TagOptionId

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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## EnableAWSOrganizationsAccess

Service: Service Catalog

Enable portfolio sharing feature through AWS Organizations. This API will allow AWS 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 management account in the organization.

When you call this API, Service Catalog calls `organizations:EnableAWSServiceAccess` on your behalf so that your shares stay in sync with any changes in your AWS Organizations structure.

Note that a delegated administrator is not authorized to invoke `EnableAWSOrganizationsAccess`.

### Important

If you have previously disabled Organizations access for Service Catalog, and then enable access again, the portfolio access permissions might not sync with the latest changes to the organization structure. Specifically, accounts that you removed from the organization after disabling Service Catalog access, and before you enabled access again, can retain access to the previously shared portfolio. As a result, an account that has been removed from the organization might still be able to create or manage AWS resources when it is no longer authorized to do so. AWS is working to resolve this issue.

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

# ExecuteProvisionedProductPlan

Service: Service Catalog

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

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

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

Type: String

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

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

Required: Yes

## PlanId

The plan identifier.

Type: String

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

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

Required: Yes

## Response Syntax

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

## Response Elements

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

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

### RecordDetail

Information about the result of provisioning the product.

Type: [RecordDetail](#) 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 v2](#)



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

# ExecuteProvisionedProductServiceAction

Service: Service Catalog

Executes a self-service action against a provisioned product.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### ExecuteToken

An idempotency token that uniquely identifies the execute request.

Type: String

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

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

Required: Yes

### Parameters

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

Map Entries: Maximum number of 200 items.

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

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

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

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

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

Type: RecordDetail 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## GetAWSOrganizationsAccessStatus

Service: Service Catalog

Get the Access Status for AWS Organizations portfolio share feature. This API can only be called by the management account in the organization or by a delegated admin.

### 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](#)

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

## GetProvisionedProductOutputs

Service: Service Catalog

This API takes either a `ProvisionedProductId` or a `ProvisionedProductName`, along with a list of one or more output keys, and responds with the key/value pairs of those outputs.

### Request Syntax

```
{
  "AcceptLanguage": "string",
  "OutputKeys": [ "string" ],
  "PageSize": number,
  "PageToken": "string",
  "ProvisionedProductId": "string",
  "ProvisionedProductName": "string"
}
```

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### OutputKeys

The list of keys that the API should return with their values. If none are provided, the API will return all outputs of the provisioned product.

Type: Array of strings

Array Members: Maximum number of 60 items.

Required: No



## PageSize

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

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

## ProvisionedProductId

The identifier of the provisioned product that you want the outputs from.

Type: String

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

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

Required: No

## ProvisionedProductName

The name of the provisioned product that you want the outputs from.

Type: String

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

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

Required: No

## Response Syntax

```
{
  "NextPageToken": "string",
  "Outputs": [
    {
      "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

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-\uFFFF]*`

### Outputs

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

# ImportAsProvisionedProduct

Service: Service Catalog

Requests the import of a resource as an AWS Service Catalog provisioned product that is associated to an AWS Service Catalog product and provisioning artifact. Once imported, all supported governance actions are supported on the provisioned product.

Resource import only supports AWS CloudFormation stack ARNs. AWS CloudFormation StackSets, and non-root nested stacks, are not supported.

The AWS CloudFormation stack must have one of the following statuses to be imported: CREATE\_COMPLETE, UPDATE\_COMPLETE, UPDATE\_ROLLBACK\_COMPLETE, IMPORT\_COMPLETE, and IMPORT\_ROLLBACK\_COMPLETE.

Import of the resource requires that the AWS CloudFormation stack template matches the associated AWS Service Catalog product provisioning artifact.

## Note

When you import an existing AWS CloudFormation stack into a portfolio, AWS Service Catalog does not apply the product's associated constraints during the import process. AWS Service Catalog applies the constraints after you call `UpdateProvisionedProduct` for the provisioned product.

The user or role that performs this operation must have the `cloudformation:GetTemplate` and `cloudformation:DescribeStacks` IAM policy permissions.

You can only import one provisioned product at a time. The product's AWS CloudFormation stack must have the `IMPORT_COMPLETE` status before you import another.

## Request Syntax

```
{  
  "AcceptLanguage": "string",  
  "IdempotencyToken": "string",  
  "PhysicalId": "string",  
  "ProductId": "string",  
  "ProvisionedProductName": "string",  
  "ProvisioningArtifactId": "string"
```

```
}
```

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

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

Type: String

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

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

Required: Yes

### PhysicalId

The unique identifier of the resource to be imported. It only currently supports AWS CloudFormation stack IDs.

Type: String

Required: Yes

### ProductId

The product identifier.

Type: String

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

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

Required: Yes

### ProvisionedProductName

The user-friendly name of the provisioned product. The value must be unique for the AWS account. The name cannot be updated after the product is provisioned.

Type: String

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

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

Required: Yes

### ProvisioningArtifactId

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

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

Information about a request operation.

Type: [RecordDetail](#) 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

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



## ListAcceptedPortfolioShares

Service: Service Catalog

Lists all imported portfolios for which account-to-account shares were accepted by this account. By specifying the `PortfolioShareType`, you can list portfolios for which organizational shares were accepted by this account.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

## PortfolioShareType

The type of shared portfolios to list. The default is to list imported portfolios.

- `AWS_ORGANIZATIONS` - List portfolios accepted and shared via organizational sharing by the management account or delegated administrator of your organization.
- `AWS_SERVICECATALOG` - Deprecated type.
- `IMPORTED` - List imported portfolios that have been accepted and shared through account-to-account sharing.

Type: String

Valid Values: `IMPORTED` | `AWS_SERVICECATALOG` | `AWS_ORGANIZATIONS`

Required: No

## Response Syntax

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

## Response Elements

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

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

### NextPageToken

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

Information about the portfolios.

Type: Array of [PortfolioDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListBudgetsForResource

Service: Service Catalog

Lists all the budgets associated to the specified resource.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

The resource 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"
    }
  ],
  "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

Information about the associated budgets.

Type: Array of [BudgetDetail](#) objects

## **NextPageToken**

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]*`

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

- [AWS SDK for Ruby V3](#)



## ListConstraintsForPortfolio

Service: Service Catalog

Lists the constraints for the specified portfolio and product.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

The portfolio identifier.

Type: String

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

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

Required: Yes

## ProductId

The product identifier.

Type: String

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

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

Required: No

## ProductName

Type: String

Length Constraints: Maximum length of 8191.

Required: No

## Response Syntax

```
{
  "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

Information about the constraints.

Type: Array of [ConstraintDetail](#) objects

### NextPageToken

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]*`

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

## ListLaunchPaths

Service: Service Catalog

Lists the paths to the specified product. A path describes how the user gets access to a specified product and is necessary when provisioning a product. A path also determines the constraints that are put on a product. A path is dependent on a specific product, portfolio, and principal.

### Note

When provisioning a product that's been added to a portfolio, you must grant your user, group, or role access to the portfolio. For more information, see [Granting users access](#) in the *Service Catalog User Guide*.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### PageSize

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

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

The product identifier.

Type: String

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

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

Required: Yes

## Response Syntax

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

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

## Response Elements

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

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

### LaunchPathSummaries

Information about the launch path.

Type: Array of [LaunchPathSummary](#) objects

### NextPageToken

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-\u007FFF\uE000-\uFFFF]*`

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



## ListOrganizationPortfolioAccess

Service: Service Catalog

Lists the organization nodes that have access to the specified portfolio. This API can only be called by the management account in the organization or by a delegated admin.

If a delegated admin is de-registered, they can no longer perform this operation.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### OrganizationNodeType

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

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

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

### PortfolioId

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

```
{  
  "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

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

Displays information about the organization nodes.

Type: Array of [OrganizationNode](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListPortfolioAccess

Service: Service Catalog

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

A delegated admin can list the accounts that have access to the shared portfolio. Note that if a delegated admin is de-registered, they can no longer perform this operation.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### OrganizationParentId

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

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

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

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

Information about the AWS accounts with access to the portfolio.

Type: Array of strings

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

### NextPageToken

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]*`

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



## ListPortfolios

Service: Service Catalog

Lists all portfolios in the catalog.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

```
{
  "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

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

Information about the portfolios.

Type: Array of [PortfolioDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListPortfoliosForProduct

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

The product identifier.

Type: String

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

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

Required: Yes

## Response Syntax

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

## Response Elements

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

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

### NextPageToken

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-\uFFFF]*`

### **PortfolioDetails**

Information about the portfolios.

Type: Array of [PortfolioDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

## ListPrincipalsForPortfolio

Service: Service Catalog

Lists all PrincipalARNs and corresponding PrincipalTypes 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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

The portfolio identifier.

Type: String

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

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

Required: Yes

## Response Syntax

```
{
  "NextPageToken": "string",
  "Principals": [
    {
      "PrincipalARN": "string",
      "PrincipalType": "string"
    }
  ]
}
```

## Response Elements

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

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

### NextPageToken

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-\uFFFF]*`

## Principals

The PrincipalARNs and corresponding PrincipalTypes associated with the portfolio.

Type: Array of [Principal](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

## ListProvisionedProductPlans

Service: Service Catalog

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### AccessLevelFilter

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

Type: [AccessLevelFilter](#) object

Required: No

## PageSize

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

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

## ProvisionProductId

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

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]*`

### ProvisionedProductPlans

Information about the plans.

Type: Array of [ProvisionedProductPlanSummary](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListProvisioningArtifacts

Service: Service Catalog

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

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### ProductId

The product identifier.

Type: String

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

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

Required: Yes

## Response Syntax

```
{
```



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

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]*`

### ProvisioningArtifactDetails

Information about the provisioning artifacts.

Type: Array of [ProvisioningArtifactDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListProvisioningArtifactsForServiceAction

Service: Service Catalog

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

### 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

## Response Syntax

```
{
  "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

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-\uFFFF]*`

### ProvisioningArtifactViews

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

Type: Array of [ProvisioningArtifactView](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# ListRecordHistory

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### AccessLevelFilter

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

Type: [AccessLevelFilter](#) object

Required: No

### PageSize

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

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

The search filter to scope the results.

Type: [ListRecordHistorySearchFilter](#) object

Required: No

## Response Syntax

```
{
  "NextPageToken": "string",
  "RecordDetails": [
    {
      "CreatedTime": number,
      "LaunchRoleArn": "string",
      "PathId": "string",
      "ProductId": "string",
      "ProvisionedProductId": "string",
      "ProvisionedProductName": "string",
```



```

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

```

## Response Elements

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

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

### NextPageToken

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]*`

### RecordDetails

The records, in reverse chronological order.

Type: Array of [RecordDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListResourcesForTagOption

Service: Service Catalog

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

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

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

#### ResourceType

The resource type.

- Portfolio
- Product

Type: String

Required: No

### TagOptionId

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

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]*`

## [ResourceDetails](#)

Information about the resources.

Type: Array of [ResourceDetail](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)

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

## ListServiceActions

Service: Service Catalog

Lists all self-service actions.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

```
{
  "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

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

An object containing information about the service actions associated with the provisioning artifact.

Type: Array of [ServiceActionSummary](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListServiceActionsForProvisioningArtifact

Service: Service Catalog

Returns a paginated list of self-service actions associated with the specified Product ID and Provisioning Artifact ID.

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

The product identifier. For example, prod-abczk7xy33qa.

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-4abcdjnxjj6ne.

Type: String

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

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

Required: Yes

## Response Syntax

```
{
  "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](#)

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](#)

An object containing information about the self-service actions associated with the provisioning artifact.

Type: Array of [ServiceActionSummary](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## ListStackInstancesForProvisionedProduct

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### PageSize

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

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

## 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: 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

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

List of stack instances.

Type: Array of [StackInstance](#) 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 v2](#)
- [AWS SDK for Java V2](#)



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

# ListTagOptions

Service: Service Catalog

Lists the specified TagOptions or all TagOptions.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### Filters

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

Type: [ListTagOptionsFilters](#) object

Required: No

### PageSize

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

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

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

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

Information about the TagOptions.

Type: Array of TagOptionDetail 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# NotifyProvisionProductEngineWorkflowResult

Service: Service Catalog

Notifies the result of the provisioning engine execution.

## Request Syntax

```
{
  "FailureReason": "string",
  "IdempotencyToken": "string",
  "Outputs": [
    {
      "Description": "string",
      "OutputKey": "string",
      "OutputValue": "string"
    }
  ],
  "RecordId": "string",
  "ResourceIdentifier": {
    "UniqueTag": {
      "Key": "string",
      "Value": "string"
    }
  },
  "Status": "string",
  "WorkflowToken": "string"
}
```

## Request Parameters

The request accepts the following data in JSON format.

### FailureReason

The reason why the provisioning engine execution failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

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

Required: No

## IdempotencyToken

The idempotency token that identifies the provisioning engine execution.

Type: String

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

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

Required: Yes

## Outputs

The output of the provisioning engine execution.

Type: Array of [RecordOutput](#) 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: Yes

## ResourceIdentifier

The ID for the provisioned product resources that are part of a resource group.

Type: [EngineWorkflowResourceIdentifier](#) object

Required: No

## Status

The status of the provisioning engine execution.

Type: String

Valid Values: SUCCEEDED | FAILED

Required: Yes

### **WorkflowToken**

The encrypted contents of the provisioning engine execution payload that Service Catalog sends after the Terraform product provisioning workflow starts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20000.

Pattern: [0-9A-Za-z+\/\-=]+

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 v2](#)

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



# NotifyTerminateProvisionedProductEngineWorkflowResult

Service: Service Catalog

Notifies the result of the terminate engine execution.

## Request Syntax

```
{  
  "FailureReason": "string",  
  "IdempotencyToken": "string",  
  "RecordId": "string",  
  "Status": "string",  
  "WorkflowToken": "string"  
}
```

## Request Parameters

The request accepts the following data in JSON format.

### FailureReason

The reason why the terminate engine execution failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

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

Required: No

### IdempotencyToken

The idempotency token that identifies the terminate engine execution.

Type: String

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

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

Required: Yes

## **RecordId**

The identifier of the record.

Type: String

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

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

Required: Yes

## **Status**

The status of the terminate engine execution.

Type: String

Valid Values: SUCCEEDED | FAILED

Required: Yes

## **WorkflowToken**

The encrypted contents of the terminate engine execution payload that Service Catalog sends after the Terraform product terminate workflow starts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20000.

Pattern: `[0-9A-Za-z+\/\-=]+`

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

# NotifyUpdateProvisionedProductEngineWorkflowResult

Service: Service Catalog

Notifies the result of the update engine execution.

## Request Syntax

```
{
  "FailureReason": "string",
  "IdempotencyToken": "string",
  "Outputs": [
    {
      "Description": "string",
      "OutputKey": "string",
      "OutputValue": "string"
    }
  ],
  "RecordId": "string",
  "Status": "string",
  "WorkflowToken": "string"
}
```

## Request Parameters

The request accepts the following data in JSON format.

### FailureReason

The reason why the update engine execution failed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

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

Required: No

### IdempotencyToken

The idempotency token that identifies the update engine execution.

Type: String

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

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

Required: Yes

### Outputs

The output of the update engine execution.

Type: Array of [RecordOutput](#) 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: Yes

### Status

The status of the update engine execution.

Type: String

Valid Values: SUCCEEDED | FAILED

Required: Yes

### WorkflowToken

The encrypted contents of the update engine execution payload that Service Catalog sends after the Terraform product update workflow starts.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20000.

Pattern: `[0-9A-Za-z+\/\-=]+`

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

## ProvisionProduct

Service: Service Catalog

Provisions the specified product.

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

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

### Note

When provisioning a product that's been added to a portfolio, you must grant your user, group, or role access to the portfolio. For more information, see [Granting users access](#) in the *Service Catalog User Guide*.

## Request Syntax

```
{
  "AcceptLanguage": "string",
  "NotificationArns": [ "string" ],
  "PathId": "string",
  "PathName": "string",
  "ProductId": "string",
  "ProductName": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningArtifactName": "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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### NotificationArns

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

Type: Array of strings

Array Members: Maximum number of 5 items.

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

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

Required: No



## **PathId**

The path identifier of the product. This value is optional if the product has a default path, and required if the product has more than one path. To list the paths for a product, use [ListLaunchPaths](#). You must provide the name or ID, but not both.

Type: String

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

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

Required: No

## **PathName**

The name of the path. You must provide the name or ID, but not both.

Type: String

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

Required: No

## **ProductId**

The product identifier. You must provide the name or ID, but not both.

Type: String

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

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

Required: No

## **ProductName**

The name of the product. You must provide the name or ID, but not both.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### **ProvisionedProductName**

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

Type: String

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

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

Required: Yes

### **ProvisioningArtifactId**

The identifier of the provisioning artifact. You must provide the name or ID, but not both.

Type: String

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

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

Required: No

### **ProvisioningArtifactName**

The name of the provisioning artifact. You must provide the name or ID, but not both.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

### **ProvisioningParameters**

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

Type: Array of [ProvisioningParameter](#) objects

Required: No

### **ProvisioningPreferences**

An object that contains information about the provisioning preferences for a stack set.

Type: [ProvisioningPreferences](#) object

Required: No

### [ProvisionToken](#)

An idempotency token that uniquely identifies the provisioning request.

Type: String

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

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

Required: Yes

### [Tags](#)

One or more tags.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 50 items.

Required: No

## Response Syntax

```
{
  "RecordDetail": {
    "CreatedTime": number,
    "LaunchRoleArn": "string",
    "PathId": "string",
    "ProductId": "string",
    "ProvisionedProductId": "string",
    "ProvisionedProductName": "string",
    "ProvisionedProductType": "string",
    "ProvisioningArtifactId": "string",
    "RecordErrors": [
      {
        "Code": "string",
        "Description": "string"
      }
    ],
  },
}
```

```
  "RecordId": "string",
  "RecordTags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "RecordType": "string",
  "Status": "string",
  "UpdateTime": number
}
```

## Response Elements

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

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

### [RecordDetail](#)

Information about the result of provisioning the product.

Type: [RecordDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# RejectPortfolioShare

Service: Service Catalog

Rejects an offer to share the specified portfolio.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: Yes

### PortfolioShareType

The type of shared portfolios to reject. The default is to reject imported portfolios.

- **AWS\_ORGANIZATIONS** - Reject portfolios shared by the management account of your organization.
- **IMPORTED** - Reject imported portfolios.
- **AWS\_SERVICECATALOG** - Not supported. (Throws `ResourceNotFoundException`.)

For example, `aws servicecatalog reject-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

### **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

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



## ScanProvisionedProducts

Service: Service Catalog

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

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

### 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](#)

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### [AccessLevelFilter](#)

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

Type: [AccessLevelFilter](#) object

Required: No

## PageSize

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

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

```
{
  "NextPageToken": "string",
  "ProvisionedProducts": [
    {
      "Arn": "string",
      "CreatedTime": number,
      "Id": "string",
      "IdempotencyToken": "string",
      "LastProvisioningRecordId": "string",
      "LastRecordId": "string",
      "LastSuccessfulProvisioningRecordId": "string",
      "LaunchRoleArn": "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

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

Information about the provisioned products.

Type: Array of [ProvisionedProductDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## SearchProducts

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### Filters

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

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

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

## SortBy

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

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

## SortOrder

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

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

## Response Syntax

```
{  
  "NextPageToken": "string",  
}
```

```

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

```

## Response Elements

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

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

### NextPageToken

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-\u007F\u00E0-\uFFFF]*`

### ProductViewAggregations

The product view aggregations.

Type: String to array of [ProductViewAggregationValue](#) objects map [ProductViewSummaries](#)

Information about the product views.

Type: Array of [ProductViewSummary](#) objects

## Errors

### InvalidParametersException

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

HTTP Status Code: 400

## Examples

### Search for all available products

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

### Sample Request

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

### Sample Response

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



```

    ],
    "ProductType":
    [
        {
            "ApproximateCount":4,
            "Value":"ServiceCatalog"
        }
    ],
    "Vendor":
    [
        {
            "ApproximateCount":1,
            "Value":""
        },
        {
            "ApproximateCount":1,
            "Value":"me"
        }
    ]
},
"ProductViewSummaries":
[
    {
        "HasDefaultPath":false,
        "Id":"prodview-w35uhtf6nrqqy",
        "Name":"RDS template",
        "Owner":"AWS",
        "ProductId":"prod-3tserlcl2g7pw",
        "ShortDescription":"Test 2",
        "Type":"Base"
    },
    {
        "HasDefaultPath":false,
        "Id":"prodview-r2tzjgsao7mc4",
        "Name":"Devo enviro 2",
        "Owner":"asda",
        "ProductId":"prod-enx2jvf33gi52",
        "ShortDescription":"asd",
        "Type":"Base"
    },
    {
        "Distributor":"","
        "HasDefaultPath":false,
        "Id":"prodview-e64tf73gp3gl4",

```

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

## See Also

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

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

# SearchProductsAsAdmin

Service: Service Catalog

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

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Filters

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

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

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

### PortfolioId

The portfolio identifier.

Type: String

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

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

Required: No

### ProductSource

Access level of the source of the product.

Type: String

Valid Values: ACCOUNT

Required: No

### SortBy

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

Type: String

Valid Values: Title | VersionCount | CreationDate

Required: No

### SortOrder

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

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

## Response Syntax

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

```

    "ConnectionParameters": {
      "CodeStar": {
        "ArtifactPath": "string",
        "Branch": "string",
        "ConnectionArn": "string",
        "Repository": "string"
      }
    },
    "LastSync": {
      "LastSuccessfulSyncProvisioningArtifactId": "string",
      "LastSuccessfulSyncTime": number,
      "LastSyncStatus": "string",
      "LastSyncStatusMessage": "string",
      "LastSyncTime": number
    },
    "Type": "string"
  },
  "Status": "string"
}
]
}

```

## Response Elements

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

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

### NextPageToken

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]*`

### ProductViewDetails

Information about the product views.

Type: Array of [ProductViewDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## SearchProvisionedProducts

Service: Service Catalog

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

### Request Syntax

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

### Request Parameters

The request accepts the following data in JSON format.

#### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

#### AccessLevelFilter

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

Type: [AccessLevelFilter](#) object



Required: No

### Filters

The search filters.

When the key is `SearchQuery`, the searchable fields are `arn`, `createdTime`, `id`, `lastRecordId`, `idempotencyToken`, `name`, `physicalId`, `productId`, `provisioningArtifactId`, `type`, `status`, `tags`, `userArn`, `userArnSession`, `lastProvisioningRecordId`, `lastSuccessfulProvisioningRecordId`, `productName`, and `provisioningArtifactName`.

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

Type: String to array of strings map

Valid Keys: `SearchQuery`

Required: No

### PageSize

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

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

### SortBy

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

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

Type: String

Valid Values: ASCENDING | DESCENDING

Required: No

### Response Syntax

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

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

## Response Elements

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

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

### NextPageToken

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

Information about the provisioned products.

Type: Array of [ProvisionedProductAttribute](#) objects

### TotalResultsCount

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

# TerminateProvisionedProduct

Service: Service Catalog

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](#).

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### [AcceptLanguage](#)

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### [IgnoreErrors](#)

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

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

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

Type: String

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

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

Required: No

## RetainPhysicalResources

When this boolean parameter is set to true, the `TerminateProvisionedProduct` API deletes the AWS Service Catalog provisioned product. However, it does not remove the AWS CloudFormation stack, stack set, or the underlying resources of the deleted provisioned product. The default value is false.

Type: Boolean

Required: No

## TerminateToken

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

Type: String

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

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

Required: Yes

## Response Syntax

```
{
  "RecordDetail": {
    "CreatedTime": number,
    "LaunchRoleArn": "string",
    "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**

Information about the result of this request.

Type: [RecordDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)



# UpdateConstraint

Service: Service Catalog

Updates the specified constraint.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Description

The updated description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

### Id

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

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

```
{  
  "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](#)

Information about the constraint.

Type: [ConstraintDetail](#) object

### [ConstraintParameters](#)

The constraint parameters.

Type: String

### [Status](#)

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

# UpdatePortfolio

Service: Service Catalog

Updates the specified portfolio.

You cannot update a product that was shared with you.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### AddTags

The tags to add.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 20 items.

Required: No

### **Description**

The updated description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

### **DisplayName**

The name to use for display purposes.

Type: String

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

Required: No

### **Id**

The portfolio identifier.

Type: String

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

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

Required: Yes

### **ProviderName**

The updated name of the portfolio provider.

Type: String

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

Required: No

## RemoveTags

The tags to remove.

Type: Array of strings

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

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

Required: No

## Response Syntax

```
{
  "PortfolioDetail": {
    "ARN": "string",
    "CreatedTime": number,
    "Description": "string",
    "DisplayName": "string",
    "Id": "string",
    "ProviderName": "string"
  },
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

## Response Elements

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

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

## PortfolioDetail

Information about the portfolio.

Type: [PortfolioDetail](#) object



## **Tags**

Information about the tags associated with the portfolio.

Type: Array of [Tag](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdatePortfolioShare

Service: Service Catalog

Updates the specified portfolio share. You can use this API to enable or disable TagOptions sharing or Principal sharing for an existing portfolio share.

The portfolio share cannot be updated if the CreatePortfolioShare operation is IN\_PROGRESS, as the share is not available to recipient entities. In this case, you must wait for the portfolio share to be completed.

You must provide the accountId or organization node in the input, but not both.

If the portfolio is shared to both an external account and an organization node, and both shares need to be updated, you must invoke UpdatePortfolioShare separately for each share type.

This API cannot be used for removing the portfolio share. You must use DeletePortfolioShare API for that action.

## Note

When you associate a principal with portfolio, a potential privilege escalation path may occur when that portfolio is then shared with other accounts. For a user in a recipient account who is *not* an Service Catalog Admin, but still has the ability to create Principals (Users/Groups/Roles), that user could create a role that matches a principal name association for the portfolio. Although this user may not know which principal names are associated through Service Catalog, they may be able to guess the user. If this potential escalation path is a concern, then Service Catalog recommends using PrincipalType as IAM. With this configuration, the PrincipalARN must already exist in the recipient account before it can be associated.

## Request Syntax

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

```
"PortfolioId": "string",  
"SharePrincipals": boolean,  
"ShareTagOptions": boolean  
}
```

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### AccountId

The AWS account Id of the recipient account. This field is required when updating an external account to account type share.

Type: String

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

Required: No

### OrganizationNode

Information about the organization node.

Type: [OrganizationNode](#) object

Required: No

### PortfolioId

The unique identifier of the portfolio for which the share will be updated.

Type: String

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

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

Required: Yes

### SharePrincipals

A flag to enables or disables Principals sharing in the portfolio. If this field is not provided, the current state of the Principals sharing on the portfolio share will not be modified.

Type: Boolean

Required: No

### ShareTagOptions

Enables or disables TagOptions sharing for the portfolio share. If this field is not provided, the current state of TagOptions sharing on the portfolio share will not be modified.

Type: Boolean

Required: No

## Response Syntax

```
{
  "PortfolioShareToken": "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.

### PortfolioShareToken

The token that tracks the status of the UpdatePortfolioShare operation for external account to account or organizational type sharing.

Type: String

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

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

## Status

The status of UpdatePortfolioShare operation. You can also obtain the operation status using DescribePortfolioShareStatus API.

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

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

# UpdateProduct

Service: Service Catalog

Updates the specified product.

## Request Syntax

```
{
  "AcceptLanguage": "string",
  "AddTags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ],
  "Description": "string",
  "Distributor": "string",
  "Id": "string",
  "Name": "string",
  "Owner": "string",
  "RemoveTags": [ "string" ],
  "SourceConnection": {
    "ConnectionParameters": {
      "CodeStar": {
        "ArtifactPath": "string",
        "Branch": "string",
        "ConnectionArn": "string",
        "Repository": "string"
      }
    }
  },
  "Type": "string"
},
"SupportDescription": "string",
"SupportEmail": "string",
"SupportUrl": "string"
}
```

## Request Parameters

The request accepts the following data in JSON format.



## AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

## AddTags

The tags to add to the product.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 20 items.

Required: No

## Description

The updated description of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

## Distributor

The updated distributor of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

## Id

The product identifier.

Type: String

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

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

Required: Yes

### Name

The updated product name.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### Owner

The updated owner of the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### RemoveTags

The tags to remove from the product.

Type: Array of strings

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

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

Required: No

### SourceConnection

Specifies connection details for the updated product and syncs the product to the connection source artifact. This automatically manages the product's artifacts based on changes to the source. The `SourceConnection` parameter consists of the following sub-fields.

- Type

- `ConnectionParameters`

Type: [SourceConnection](#) object

Required: No

### [SupportDescription](#)

The updated support description for the product.

Type: String

Length Constraints: Maximum length of 8191.

Required: No

### [SupportEmail](#)

The updated support email for the product.

Type: String

Length Constraints: Maximum length of 254.

Required: No

### [SupportUrl](#)

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"
  },
  "SourceConnection": {
    "ConnectionParameters": {
      "CodeStar": {
        "ArtifactPath": "string",
        "Branch": "string",
        "ConnectionArn": "string",
        "Repository": "string"
      }
    }
  },
  "LastSync": {
    "LastSuccessfulSyncProvisioningArtifactId": "string",
    "LastSuccessfulSyncTime": number,
    "LastSyncStatus": "string",
    "LastSyncStatusMessage": "string",
    "LastSyncTime": number
  },
  "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](#)

Information about the product view.

Type: [ProductViewDetail](#) object

## [Tags](#)

Information about the tags associated with the product.

Type: Array of [Tag](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateProvisionedProduct

Service: Service Catalog

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](#).

## Request Syntax

```
{
  "AcceptLanguage": "string",
  "PathId": "string",
  "PathName": "string",
  "ProductId": "string",
  "ProductName": "string",
  "ProvisionedProductId": "string",
  "ProvisionedProductName": "string",
  "ProvisioningArtifactId": "string",
  "ProvisioningArtifactName": "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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### PathId

The path identifier. This value is optional if the product has a default path, and required if the product has more than one path. You must provide the name or ID, but not both.

Type: String

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

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

Required: No

### PathName

The name of the path. You must provide the name or ID, but not both.

Type: String

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

Required: No



**ProductId**

The identifier of the product. You must provide the name or ID, but not both.

Type: String

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

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

Required: No

## ProductName

The name of the product. You must provide the name or ID, but not both.

Type: String

**Length Constraints:** Maximum length of 8191.

Required: No

**ProvisionedProductId**

The identifier of the provisioned product. You must provide the name or ID, but not both.

Type: String

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

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

Required: No

## ProvisionedProductName

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

Type: String

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

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

Required: No

### **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

### **ProvisioningArtifactName**

The name of the provisioning artifact. You must provide the name or ID, but not both.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

### **ProvisioningParameters**

The new parameters.

Type: Array of [UpdateProvisioningParameter](#) objects

Required: No

### **ProvisioningPreferences**

An object that contains information about the provisioning preferences for a stack set.

Type: [UpdateProvisioningPreferences](#) object

Required: No

### **Tags**

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](#) objects

Array Members: Maximum number of 50 items.

Required: No

### UpdateToken

The idempotency token that uniquely identifies the provisioning update request.

Type: String

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

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

Required: Yes

### Response Syntax

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

```
}  
}
```

## Response Elements

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

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

### RecordDetail

Information about the result of the request.

Type: [RecordDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

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

# UpdateProvisionedProductProperties

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### IdempotencyToken

The idempotency token that uniquely identifies the provisioning product update request.

Type: String

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

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

Required: Yes

## 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: Yes

## ProvisionedProductProperties

A map that contains the provisioned product properties to be updated.

The `LAUNCH_ROLE` key accepts role ARNs. This key allows an administrator to call `UpdateProvisionedProductProperties` to update the launch role that is associated with a provisioned product. This role is used when an end user calls a provisioning operation such as `UpdateProvisionedProduct`, `TerminateProvisionedProduct`, or `ExecuteProvisionedProductServiceAction`. Only a role ARN is valid. A user ARN is invalid.

The `OWNER` key accepts user ARNs, IAM role ARNs, and STS assumed-role ARNs. The owner is the user that has permission 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 or STS entity 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 AWS 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 AWS Service Catalog console on that provisioned product.

Type: String to string map

Map Entries: Maximum number of 100 items.

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

Valid Keys: OWNER | LAUNCH\_ROLE

Value Length Constraints: Minimum length of 0. Maximum length of 1024.

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

The provisioned product identifier.

Type: String

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

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

### ProvisionedProductProperties

A map that contains the properties updated.

Type: String to string map

Map Entries: Maximum number of 100 items.



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

Valid Keys: OWNER | LAUNCH\_ROLE

Value Length Constraints: Minimum length of 0. Maximum length of 1024.

### **RecordId**

The identifier of the record.

Type: String

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

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

### **Status**

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

# UpdateProvisioningArtifact

Service: Service Catalog

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

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Active

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

The updated description of the provisioning artifact.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

### Guidance

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

The updated name of the provisioning artifact.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

### ProductId

The product identifier.

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.

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",
    "SourceRevision": "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

The URL of the AWS CloudFormation template in Amazon S3 or GitHub in JSON format.

Type: String to string map

Map Entries: Maximum number of 100 items.

### **ProvisioningArtifactDetail**

Information about the provisioning artifact.

Type: [ProvisioningArtifactDetail](#) object

### **Status**

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 v2](#)
- [AWS SDK for Java V2](#)

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

# UpdateServiceAction

Service: Service Catalog

Updates a self-service action.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### AcceptLanguage

The language code.

- jp - Japanese
- zh - Chinese

Type: String

Length Constraints: Maximum length of 100.

Required: No

### Definition

A map that defines the self-service action.

Type: String to string map

Map Entries: Maximum number of 100 items.

Valid Keys: Name | Version | AssumeRole | Parameters



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

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: Yes

### 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

## Response Syntax

```
{
  "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](#)

Detailed information about the self-service action.

Type: [ServiceActionDetail](#) 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

# UpdateTagOption

Service: Service Catalog

Updates the specified TagOption.

## Request Syntax

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

## Request Parameters

The request accepts the following data in JSON format.

### Active

The updated active state.

Type: Boolean

Required: No

### Id

The TagOption identifier.

Type: String

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

Required: Yes

### Value

The updated value.

Type: String

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

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

Required: No

## Response Syntax

```
{
  "TagOptionDetail": {
    "Active": boolean,
    "Id": "string",
    "Key": "string",
    "Owner": "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

Information about the TagOption.

Type: [TagOptionDetail](#) 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. Use the AWS Management 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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

## **AppRegistry**

The following actions are supported by AppRegistry:

- [AssociateAttributeGroup](#)
- [AssociateResource](#)
- [CreateApplication](#)
- [CreateAttributeGroup](#)
- [DeleteApplication](#)
- [DeleteAttributeGroup](#)

- [DisassociateAttributeGroup](#)
- [DisassociateResource](#)
- [GetApplication](#)
- [GetAssociatedResource](#)
- [GetAttributeGroup](#)
- [GetConfiguration](#)
- [ListApplications](#)
- [ListAssociatedAttributeGroups](#)
- [ListAssociatedResources](#)
- [ListAttributeGroups](#)
- [ListAttributeGroupsForApplication](#)
- [ListTagsForResource](#)
- [PutConfiguration](#)
- [SyncResource](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateApplication](#)
- [UpdateAttributeGroup](#)

# AssociateAttributeGroup

Service: AppRegistry

Associates an attribute group with an application to augment the application's metadata with the group's attributes. This feature enables applications to be described with user-defined details that are machine-readable, such as third-party integrations.

## Request Syntax

```
PUT /applications/application/attribute-groups/attributeGroup HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+\d:\d{12}:/applications/[-.\w]+)`

Required: Yes

### attributeGroup

The name, ID, or ARN of the attribute group that holds the attributes to describe the application.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+\d:\d{12}:/attribute-groups/[-.\w]+)`

Required: Yes

## Request Body

The request does not have a request body.



## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applicationArn": "string",
  "attributeGroupArn": "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.

### [applicationArn](#)

The Amazon resource name (ARN) of the application that was augmented with attributes.

Type: String

Pattern: arn:aws[-a-z]\*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[a-z0-9]+

### [attributeGroupArn](#)

The Amazon resource name (ARN) of the attribute group that contains the application's new attributes.

Type: String

Pattern: arn:aws[-a-z]\*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+

## Errors

### ConflictException

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

## **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The maximum number of resources per account has been reached.

HTTP Status Code: 402

## **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## **See Also**

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

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

## AssociateResource

Service: AppRegistry

Associates a resource with an application. The resource can be specified by its ARN or name. The application can be specified by ARN, ID, or name.

### Minimum permissions

You must have the following permissions to associate a resource using the `OPTIONS` parameter set to `APPLY_APPLICATION_TAG`.

- `tag:GetResources`
- `tag:TagResources`

You must also have these additional permissions if you don't use the `AWSServiceCatalogAppRegistryFullAccess` policy. For more information, see [AWSServiceCatalogAppRegistryFullAccess](#) in the AppRegistry Administrator Guide.

- `resource-groups:AssociateResource`
- `cloudformation:UpdateStack`
- `cloudformation:DescribeStacks`

#### Note

In addition, you must have the tagging permission defined by the AWS service that creates the resource. For more information, see [TagResources](#) in the *Resource Groups Tagging API Reference*.

### Request Syntax

```
PUT /applications/application/resources/resourceType/resource HTTP/1.1
Content-type: application/json

{
  "options": [ "string" ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[-.\w]+)`

Required: Yes

### resource

The name or ID of the resource of which the application will be associated.

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

Pattern: `\S+`

Required: Yes

### resourceType

The type of resource of which the application will be associated.

Valid Values: `CFN_STACK` | `RESOURCE_TAG_VALUE`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### options

Determines whether an application tag is applied or skipped.

Type: Array of strings

Valid Values: `APPLY_APPLICATION_TAG` | `SKIP_APPLICATION_TAG`

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applicationArn": "string",
  "options": [ "string" ],
  "resourceArn": "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.

### applicationArn

The Amazon resource name (ARN) of the application that was augmented with attributes.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[a-z0-9]+`

### options

Determines whether an application tag is applied or skipped.

Type: Array of strings

Valid Values: `APPLY_APPLICATION_TAG` | `SKIP_APPLICATION_TAG`

### resourceArn

The Amazon resource name (ARN) that specifies the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9-]+):([a-z]{2}(-gov)?-[a-z]+\d{1})?:([a-z]{12})?:(.*)`

## Errors

### **ConflictException**

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The maximum number of resources per account has been reached.

HTTP Status Code: 402

### **ThrottlingException**

The maximum number of API requests has been exceeded.

HTTP Status Code: 429

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

# CreateApplication

Service: AppRegistry

Creates a new application that is the top-level node in a hierarchy of related cloud resource abstractions.

## Request Syntax

```
POST /applications HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "description": "string",
  "name": "string",
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

A unique identifier that you provide to ensure idempotency. If you retry a request that completed successfully using the same client token and the same parameters, the retry succeeds without performing any further actions. If you retry a successful request using the same client token, but one or more of the parameters are different, the retry fails.

Type: String

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

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

Required: Yes



## description

The description of the application.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

## name

The name of the application. The name must be unique in the region in which you are creating the application.

Type: String

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

Pattern: `[-.\w]+`

Required: Yes

## tags

Key-value pairs you can use to associate with the application.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

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

Required: No

## Response Syntax

```
HTTP/1.1 201
```

Content-type: application/json

```
{
  "application": {
    "applicationTag": {
      "string" : "string"
    },
    "arn": "string",
    "creationTime": "string",
    "description": "string",
    "id": "string",
    "lastUpdateTime": "string",
    "name": "string",
    "tags": {
      "string" : "string"
    }
  }
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [application](#)

Information about the application.

Type: [Application](#) object

## Errors

### ConflictException

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### InternalServerErrorException

The service is experiencing internal problems.

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The maximum number of resources per account has been reached.

HTTP Status Code: 402

### **ThrottlingException**

The maximum number of API requests has been exceeded.

HTTP Status Code: 429

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

### **See Also**

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

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

## CreateAttributeGroup

Service: AppRegistry

Creates a new attribute group as a container for user-defined attributes. This feature enables users to have full control over their cloud application's metadata in a rich machine-readable format to facilitate integration with automated workflows and third-party tools.

### Request Syntax

```
POST /attribute-groups HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "attributes": "string",
  "clientToken": "string",
  "description": "string",
  "name": "string",
  "tags": {
    "string" : "string"
  }
}
```

### URI Request Parameters

The request does not use any URI parameters.

### Request Body

The request accepts the following data in JSON format.

#### attributes

A JSON string in the form of nested key-value pairs that represent the attributes in the group and describes an application and its components.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

Pattern: `[\u0009\u000A\u000D\u0020-\u00FF]+`

Required: Yes

## clientToken

A unique identifier that you provide to ensure idempotency. If you retry a request that completed successfully using the same client token and the same parameters, the retry succeeds without performing any further actions. If you retry a successful request using the same client token, but one or more of the parameters are different, the retry fails.

Type: String

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

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

Required: Yes

## description

The description of the attribute group that the user provides.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

## name

The name of the attribute group.

Type: String

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

Pattern: `[-.\w]+`

Required: Yes

## tags

Key-value pairs you can use to associate with the attribute group.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

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

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "attributeGroup": {
    "arn": "string",
    "creationTime": "string",
    "description": "string",
    "id": "string",
    "lastUpdateTime": "string",
    "name": "string",
    "tags": {
      "string" : "string"
    }
  }
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [attributeGroup](#)

Information about the attribute group.

Type: [AttributeGroup](#) object

## Errors

### ConflictException

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### InternalServerErrorException

The service is experiencing internal problems.

HTTP Status Code: 500

### ServiceQuotaExceededException

The maximum number of resources per account has been reached.

HTTP Status Code: 402

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

- [AWS SDK for Ruby V3](#)



# DeleteApplication

Service: AppRegistry

Deletes an application that is specified either by its application ID, name, or ARN. All associated attribute groups and resources must be disassociated from it before deleting an application.

## Request Syntax

```
DELETE /applications/application HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d{12}:applications/[-.\w]+)`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "application": {
    "arn": "string",
    "creationTime": "string",
    "description": "string",
    "id": "string",
    "lastUpdateTime": "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.

### application

Information about the deleted application.

Type: [ApplicationSummary](#) object

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

# DeleteAttributeGroup

Service: AppRegistry

Deletes an attribute group, specified either by its attribute group ID, name, or ARN.

## Request Syntax

```
DELETE /attribute-groups/attributeGroup HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [attributeGroup](#)

The name, ID, or ARN of the attribute group that holds the attributes to describe the application.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+)`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "attributeGroup": {
    "arn": "string",
    "createdBy": "string",
    "creationTime": "string",
    "description": "string",
    "id": "string",
    "lastUpdateTime": "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.

### attributeGroup

Information about the deleted attribute group.

Type: [AttributeGroupSummary](#) object

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

# DisassociateAttributeGroup

Service: AppRegistry

Disassociates an attribute group from an application to remove the extra attributes contained in the attribute group from the application's metadata. This operation reverts AssociateAttributeGroup.

## Request Syntax

```
DELETE /applications/application/attribute-groups/attributeGroup HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+\d:\d{12}:/applications/[-.\w]+)`

Required: Yes

### attributeGroup

The name, ID, or ARN of the attribute group that holds the attributes to describe the application.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+\d:\d{12}:/attribute-groups/[-.\w]+)`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applicationArn": "string",
  "attributeGroupArn": "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.

### [applicationArn](#)

The Amazon resource name (ARN) that specifies the application.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+-\d:\d{12}:/applications/[a-z0-9]+`

### [attributeGroupArn](#)

The Amazon resource name (ARN) that specifies the attribute group.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+`

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500



## ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

## ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

## DisassociateResource

Service: AppRegistry

Disassociates a resource from application. Both the resource and the application can be specified either by ID or name.

### Minimum permissions

You must have the following permissions to remove a resource that's been associated with an application using the `APPLY_APPLICATION_TAG` option for [AssociateResource](#).

- `tag:GetResources`
- `tag:UntagResources`

You must also have the following permissions if you don't use the `AWSServiceCatalogAppRegistryFullAccess` policy. For more information, see [AWSServiceCatalogAppRegistryFullAccess](#) in the AppRegistry Administrator Guide.

- `resource-groups:DisassociateResource`
- `cloudformation:UpdateStack`
- `cloudformation:DescribeStacks`

#### Note

In addition, you must have the tagging permission defined by the AWS service that creates the resource. For more information, see [UntagResources](#) in the *Resource Groups Tagging API Reference*.

### Request Syntax

```
DELETE /applications/application/resources/resourceType/resource HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

## application

The name or ID of the application.

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

Pattern: `([-.\w+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+-\d:\d{12}:/applications/[-.\w+)`

Required: Yes

## resource

The name or ID of the resource.

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

Pattern: `\S+`

Required: Yes

## resourceType

The type of the resource that is being disassociated.

Valid Values: `CFN_STACK` | `RESOURCE_TAG_VALUE`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applicationArn": "string",
  "resourceArn": "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.

### applicationArn

The Amazon resource name (ARN) that specifies the application.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+-\d:\d{12}:/applications/[a-z0-9]+`

### resourceArn

The Amazon resource name (ARN) that specifies the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9\-.]+):([a-z]{2}(-gov)?-[a-z]+-\d{1})?:(\d{12})?:(.*)`

## Errors

### **InternalServerError**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ThrottlingException**

The maximum number of API requests has been exceeded.

HTTP Status Code: 429

## ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

### See Also

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

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

# GetApplication

Service: AppRegistry

Retrieves metadata information about one of your applications. The application can be specified by its ARN, ID, or name (which is unique within one account in one region at a given point in time). Specify by ARN or ID in automated workflows if you want to make sure that the exact same application is returned or a `ResourceNotFoundException` is thrown, avoiding the ABA addressing problem.

## Request Syntax

```
GET /applications/application HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[-.\w+)`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applicationTag": {
    "string" : "string"
```

```

},
"arn": "string",
"associatedResourceCount": number,
"creationTime": "string",
"description": "string",
"id": "string",
"integrations": {
  "applicationTagResourceGroup": {
    "arn": "string",
    "errorMessage": "string",
    "state": "string"
  },
  "resourceGroup": {
    "arn": "string",
    "errorMessage": "string",
    "state": "string"
  }
},
"lastUpdateTime": "string",
"name": "string",
"tags": {
  "string" : "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.

### applicationTag

A key-value pair that identifies an associated resource.

Type: String to string map

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

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

Value Length Constraints: Maximum length of 256.

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

## arn

The Amazon resource name (ARN) that specifies the application across services.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[a-z0-9]+`

## associatedResourceCount

The number of top-level resources that were registered as part of this application.

Type: Integer

Valid Range: Minimum value of 0.

## creationTime

The ISO-8601 formatted timestamp of the moment when the application was created.

Type: Timestamp

## description

The description of the application.

Type: String

Length Constraints: Maximum length of 1024.

## id

The identifier of the application.

Type: String

Length Constraints: Fixed length of 26.

Pattern: `[a-z0-9]+`

## integrations

The information about the integration of the application with other services, such as AWS Resource Groups.

Type: [Integrations](#) object



## lastUpdateTime

The ISO-8601 formatted timestamp of the moment when the application was last updated.

Type: Timestamp

## name

The name of the application. The name must be unique in the region in which you are creating the application.

Type: String

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

Pattern: `[-.\w]+`

## tags

Key-value pairs associated with the application.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

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

## Errors

### **ConflictException**

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

### **See Also**

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

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

## GetAssociatedResource

Service: AppRegistry

Gets the resource associated with the application.

### Request Syntax

```
GET /applications/application/resources/resourceType/resource?  
maxResults=maxResults&nextToken=nextToken&resourceTagStatus=resourceTagStatus HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

#### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-  
\d:\d{12}:/applications/[-.\w]+)`

Required: Yes

#### maxResults

The maximum number of results to return. If the parameter is omitted, it defaults to 25. The value is optional.

Valid Range: Minimum value of 1. Maximum value of 100.

#### nextToken

A unique pagination token for each page of results. Make the call again with the returned token to retrieve the next page of results.

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: `[A-Za-z0-9+/=]+`

#### resource

The name or ID of the resource associated with the application.

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

Pattern: \S+

Required: Yes

### resourceTagStatus

States whether an application tag is applied, not applied, in the process of being applied, or skipped.

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Valid Values: SUCCESS | FAILED | IN\_PROGRESS | SKIPPED

### resourceType

The type of resource associated with the application.

Valid Values: CFN\_STACK | RESOURCE\_TAG\_VALUE

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applicationTagResult": {
    "applicationTagStatus": "string",
    "errorMessage": "string",
    "nextToken": "string",
    "resources": [
      {
        "errorMessage": "string",
        "resourceArn": "string",
        "resourceType": "string",
        "status": "string"
      }
    ]
  },
  "options": [ "string" ],
```

```
"resource": {
  "arn": "string",
  "associationTime": "string",
  "integrations": {
    "resourceGroup": {
      "arn": "string",
      "errorMessage": "string",
      "state": "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.

### applicationTagResult

The result of the application that's tag applied to a resource.

Type: [ApplicationTagResult](#) object

### options

Determines whether an application tag is applied or skipped.

Type: Array of strings

Valid Values: APPLY\_APPLICATION\_TAG | SKIP\_APPLICATION\_TAG

### resource

The resource associated with the application.

Type: [Resource](#) object

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

### **See Also**

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

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

# GetAttributeGroup

Service: AppRegistry

Retrieves an attribute group by its ARN, ID, or name. The attribute group can be specified by its ARN, ID, or name.

## Request Syntax

```
GET /attribute-groups/attributeGroup HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### attributeGroup

The name, ID, or ARN of the attribute group that holds the attributes to describe the application.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+)`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "arn": "string",
  "attributes": "string",
  "createdBy": "string",
  "creationTime": "string",
  "description": "string",
  "id": "string",
```

```

    "lastUpdateTime": "string",
    "name": "string",
    "tags": {
        "string" : "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.

### arn

The Amazon resource name (ARN) that specifies the attribute group across services.

Type: String

Pattern: arn:aws[-a-z]\*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+

### attributes

A JSON string in the form of nested key-value pairs that represent the attributes in the group and describes an application and its components.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

Pattern: [\u0009\u000A\u000D\u0020-\u00FF]+

### createdBy

The service principal that created the attribute group.

Type: String

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

Pattern: ^(?!( - )([a-z0-9-]+\.\.)(aws\.internal|amazonaws\.com(\.cn)?))\$

### creationTime

The ISO-8601 formatted timestamp of the moment the attribute group was created.



Type: Timestamp

### description

The description of the attribute group that the user provides.

Type: String

Length Constraints: Maximum length of 1024.

### id

The identifier of the attribute group.

Type: String

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

Pattern: `[- . \w]+`

### lastUpdateTime

The ISO-8601 formatted timestamp of the moment the attribute group was last updated. This time is the same as the creationTime for a newly created attribute group.

Type: Timestamp

### name

The name of the attribute group.

Type: String

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

Pattern: `[- . \w]+`

### tags

Key-value pairs associated with the attribute group.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

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

## Errors

### ConflictException

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

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

# GetConfiguration

Service: AppRegistry

Retrieves a TagKey configuration from an account.

## Request Syntax

```
GET /configuration HTTP/1.1
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "configuration": {
    "tagQueryConfiguration": {
      "tagKey": "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.

### configuration

Retrieves TagKey configuration from an account.

Type: [AppRegistryConfiguration](#) object

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### See Also

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

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

# ListApplications

Service: AppRegistry

Retrieves a list of all of your applications. Results are paginated.

## Request Syntax

```
GET /applications?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The upper bound of the number of results to return (cannot exceed 25). If this parameter is omitted, it defaults to 25. This value is optional.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token to use to get the next page of results after a previous API call.

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: `[A-Za-z0-9+/=]+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "applications": [
    {
      "arn": "string",
      "creationTime": "string",
```

```
    "description": "string",
    "id": "string",
    "lastUpdateTime": "string",
    "name": "string"
  }
],
"nextToken": "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.

### [applications](#)

This list of applications.

Type: Array of [ApplicationSummary](#) objects

### [nextToken](#)

The token to use to get the next page of results after a previous API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## Errors

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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



## ListAssociatedAttributeGroups

Service: AppRegistry

Lists all attribute groups that are associated with specified application. Results are paginated.

### Request Syntax

```
GET /applications/application/attribute-groups?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

#### application

The name or ID of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d{12}:/applications/[-.\w]+)`

Required: Yes

#### maxResults

The upper bound of the number of results to return (cannot exceed 25). If this parameter is omitted, it defaults to 25. This value is optional.

Valid Range: Minimum value of 1. Maximum value of 100.

#### nextToken

The token to use to get the next page of results after a previous API call.

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: `[A-Za-z0-9+/=]+`

### Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "attributeGroups": [ "string" ],
  "nextToken": "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.

### [attributeGroups](#)

A list of attribute group IDs.

Type: Array of strings

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

Pattern: [-.\w]+

### [nextToken](#)

The token to use to get the next page of results after a previous API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## Errors

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

## ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

## ListAssociatedResources

Service: AppRegistry

Lists all of the resources that are associated with the specified application. Results are paginated.

### Note

If you share an application, and a consumer account associates a tag query to the application, all of the users who can access the application can also view the tag values in all accounts that are associated with it using this API.

## Request Syntax

```
GET /applications/application/resources?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application.

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

Pattern: `([-.\w+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+-\d{12}:applications/[-.\w+] )`

Required: Yes

### maxResults

The upper bound of the number of results to return (cannot exceed 25). If this parameter is omitted, it defaults to 25. This value is optional.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token to use to get the next page of results after a previous API call.

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "nextToken": "string",
  "resources": [
    {
      "arn": "string",
      "name": "string",
      "options": [ "string" ],
      "resourceDetails": {
        "tagValue": "string"
      },
      "resourceType": "string"
    }
  ]
}
```

## Response Elements

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

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

### nextToken

The token to use to get the next page of results after a previous API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## [resources](#)

Information about the resources.

Type: Array of [ResourceInfo](#) objects

## Errors

### **InternalServerError**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

- [AWS SDK for Ruby V3](#)

# ListAttributeGroups

Service: AppRegistry

Lists all attribute groups which you have access to. Results are paginated.

## Request Syntax

```
GET /attribute-groups?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The upper bound of the number of results to return (cannot exceed 25). If this parameter is omitted, it defaults to 25. This value is optional.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token to use to get the next page of results after a previous API call.

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "attributeGroups": [
    {
      "arn": "string",
      "createdBy": "string",
      "creationTime": "string",
```



```
    "description": "string",
    "id": "string",
    "lastUpdateTime": "string",
    "name": "string"
  }
],
"nextToken": "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.

### [attributeGroups](#)

This list of attribute groups.

Type: Array of [AttributeGroupSummary](#) objects

### [nextToken](#)

The token to use to get the next page of results after a previous API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## Errors

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

# ListAttributeGroupsForApplication

Service: AppRegistry

Lists the details of all attribute groups associated with a specific application. The results display in pages.

## Request Syntax

```
GET /applications/application/attribute-group-details?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name or ID of the application.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[-.\w]+)`

Required: Yes

### maxResults

The upper bound of the number of results to return. The value cannot exceed 25. If you omit this parameter, it defaults to 25. This value is optional.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

This token retrieves the next page of results after a previous API call.

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: `[A-Za-z0-9+/=]+`

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "attributeGroupsDetails": [
    {
      "arn": "string",
      "createdBy": "string",
      "id": "string",
      "name": "string"
    }
  ],
  "nextToken": "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.

### attributeGroupsDetails

The details related to a specific attribute group.

Type: Array of [AttributeGroupDetails](#) objects

### nextToken

The token to use to get the next page of results after a previous API call.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

### **See Also**

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

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

## ListTagsForResource

Service: AppRegistry

Lists all of the tags on the resource.

### Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

#### resourceArn

The Amazon resource name (ARN) that specifies the resource.

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9-]+):([a-z]{2}(-gov)?-[a-z]+-\d{1})?:([d{12})?:(.*)`

Required: Yes

### Request Body

The request does not have a request body.

### Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

### Response Elements

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

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

### tags

The tags on the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

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

## Errors

### **InternalServerError**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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



# PutConfiguration

Service: AppRegistry

Associates a TagKey configuration to an account.

## Request Syntax

```
PUT /configuration HTTP/1.1
Content-type: application/json
```

```
{
  "configuration": {
    "tagQueryConfiguration": {
      "tagKey": "string"
    }
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### configuration

Associates a TagKey configuration to an account.

Type: [AppRegistryConfiguration](#) object

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

### ConflictException

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### InternalServerErrorException

The service is experiencing internal problems.

HTTP Status Code: 500

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

## SyncResource

Service: AppRegistry

Syncs the resource with current AppRegistry records.

Specifically, the resource's AppRegistry system tags sync with its associated application. We remove the resource's AppRegistry system tags if it does not associate with the application. The caller must have permissions to read and update the resource.

### Request Syntax

```
POST /sync/resourceType/resource HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

#### resource

An entity you can work with and specify with a name or ID. Examples include an Amazon EC2 instance, an AWS CloudFormation stack, or an Amazon S3 bucket.

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

Pattern: \S+

Required: Yes

#### resourceType

The type of resource of which the application will be associated.

Valid Values: CFN\_STACK | RESOURCE\_TAG\_VALUE

Required: Yes

### Request Body

The request does not have a request body.

### Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "actionTaken": "string",
  "applicationArn": "string",
  "resourceArn": "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.

### actionTaken

The results of the output if an application is associated with an ARN value, which could be syncStarted or None.

Type: String

Valid Values: START\_SYNC | NO\_ACTION

### applicationArn

The Amazon resource name (ARN) that specifies the application.

Type: String

Pattern: arn:aws[-a-z]\*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+\d:\d{12}:/applications/[a-z0-9]+

### resourceArn

The Amazon resource name (ARN) that specifies the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: arn:(aws[a-zA-Z0-9-]\*):([a-zA-Z0-9-])+:([a-z]{2}(-gov)?-[-a-z]+\d{1})?:(\d{12})?:(.\*)

## Errors

### **ConflictException**

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ThrottlingException**

The maximum number of API requests has been exceeded.

HTTP Status Code: 429

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

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

## TagResource

Service: AppRegistry

Assigns one or more tags (key-value pairs) to the specified resource.

Each tag consists of a key and an optional value. If a tag with the same key is already associated with the resource, this action updates its value.

This operation returns an empty response if the call was successful.

### Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json
```

```
{
  "tags": {
    "string" : "string"
  }
}
```

### URI Request Parameters

The request uses the following URI parameters.

#### resourceArn

The Amazon resource name (ARN) that specifies the resource.

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9-]+):([a-z]{2}(-gov)?-[a-z]+\d{1})?:([d{12})?:(.*)`

Required: Yes

### Request Body

The request accepts the following data in JSON format.

#### tags

The new or modified tags for the resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

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

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

### InternalServerErrorException

The service is experiencing internal problems.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400



## See Also

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

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

## UntagResource

Service: AppRegistry

Removes tags from a resource.

This operation returns an empty response if the call was successful.

### Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

### URI Request Parameters

The request uses the following URI parameters.

#### resourceArn

The Amazon resource name (ARN) that specifies the resource.

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9-]+):([a-z]{2}(-gov)?-[a-z]+-\d{1})?:([d]{12})?:([.*])`

Required: Yes

#### tagKeys

A list of the tag keys to remove from the specified resource.

Array Members: Minimum number of 0 items. Maximum number of 50 items.

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

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

Required: Yes

### Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

### InternalServerError

The service is experiencing internal problems.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource does not exist.

HTTP Status Code: 404

### ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

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

# UpdateApplication

Service: AppRegistry

Updates an existing application with new attributes.

## Request Syntax

```
PATCH /applications/application HTTP/1.1
Content-type: application/json
```

```
{
  "description": "string",
  "name": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### application

The name, ID, or ARN of the application that will be updated.

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

Pattern: `([-.\w]+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[-.\w]+)`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### description

The new description of the application.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

### name

Deprecated: The new name of the application. The name must be unique in the region in which you are updating the application. Please do not use this field as we have stopped supporting name updates.

Type: String

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

Pattern: [-.\w]+

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "application": {
    "applicationTag": {
      "string" : "string"
    },
    "arn": "string",
    "creationTime": "string",
    "description": "string",
    "id": "string",
    "lastUpdateTime": "string",
    "name": "string",
    "tags": {
      "string" : "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.

## [application](#)

The updated information of the application.

Type: [Application](#) object

## Errors

### **ConflictException**

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ThrottlingException**

The maximum number of API requests has been exceeded.

HTTP Status Code: 429

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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



# UpdateAttributeGroup

Service: AppRegistry

Updates an existing attribute group with new details.

## Request Syntax

```
PATCH /attribute-groups/attributeGroup HTTP/1.1
Content-type: application/json
```

```
{
  "attributes": "string",
  "description": "string",
  "name": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### attributeGroup

The name, ID, or ARN of the attribute group that holds the attributes to describe the application.

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `([-.\w+)|(arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w+)`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### attributes

A JSON string in the form of nested key-value pairs that represent the attributes in the group and describes an application and its components.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

Pattern: `[\u0009\u000A\u000D\u0020-\u00FF]+`

Required: No

### description

The description of the attribute group that the user provides.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

### name

Deprecated: The new name of the attribute group. The name must be unique in the region in which you are updating the attribute group. Please do not use this field as we have stopped supporting name updates.

Type: String

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

Pattern: `[-.\w]+`

Required: No

## Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "attributeGroup": {
    "arn": "string",
    "creationTime": "string",
    "description": "string",
    "id": "string",
    "lastUpdateTime": "string",
    "name": "string",
```

```
    "tags": {  
      "string" : "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.

### [attributeGroup](#)

The updated information of the attribute group.

Type: [AttributeGroup](#) object

## Errors

### **ConflictException**

There was a conflict when processing the request (for example, a resource with the given name already exists within the account).

HTTP Status Code: 409

### **InternalServerErrorException**

The service is experiencing internal problems.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource does not exist.

HTTP Status Code: 404

### **ValidationException**

The request has invalid or missing parameters.

HTTP Status Code: 400

## See Also

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

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

## Data Types

The following data types are supported by Service Catalog:

- [AccessLevelFilter](#)
- [BudgetDetail](#)
- [CloudWatchDashboard](#)
- [CodeStarParameters](#)
- [ConstraintDetail](#)
- [ConstraintSummary](#)
- [EngineWorkflowResourceIdentifier](#)
- [ExecutionParameter](#)
- [FailedServiceActionAssociation](#)
- [LastSync](#)
- [LaunchPath](#)
- [LaunchPathSummary](#)
- [ListRecordHistorySearchFilter](#)

- [ListTagOptionsFilters](#)
- [OrganizationNode](#)
- [ParameterConstraints](#)
- [PortfolioDetail](#)
- [PortfolioShareDetail](#)
- [Principal](#)
- [ProductViewAggregationValue](#)
- [ProductViewDetail](#)
- [ProductViewSummary](#)
- [ProvisionedProductAttribute](#)
- [ProvisionedProductDetail](#)
- [ProvisionedProductPlanDetails](#)
- [ProvisionedProductPlanSummary](#)
- [ProvisioningArtifact](#)
- [ProvisioningArtifactDetail](#)
- [ProvisioningArtifactOutput](#)
- [ProvisioningArtifactParameter](#)
- [ProvisioningArtifactPreferences](#)
- [ProvisioningArtifactProperties](#)
- [ProvisioningArtifactSummary](#)
- [ProvisioningArtifactView](#)
- [ProvisioningParameter](#)
- [ProvisioningPreferences](#)
- [RecordDetail](#)
- [RecordError](#)
- [RecordOutput](#)
- [RecordTag](#)
- [ResourceChange](#)
- [ResourceChangeDetail](#)
- [ResourceDetail](#)

- [ResourceTargetDefinition](#)
- [ServiceActionAssociation](#)
- [ServiceActionDetail](#)
- [ServiceActionSummary](#)
- [ShareDetails](#)
- [ShareError](#)
- [SourceConnection](#)
- [SourceConnectionDetail](#)
- [SourceConnectionParameters](#)
- [StackInstance](#)
- [Tag](#)
- [TagOptionDetail](#)
- [TagOptionSummary](#)
- [UniqueTagResourceIdentifier](#)
- [UpdateProvisioningParameter](#)
- [UpdateProvisioningPreferences](#)
- [UsageInstruction](#)

The following data types are supported by AppRegistry:

- [Application](#)
- [ApplicationSummary](#)
- [ApplicationTagResult](#)
- [AppRegistryConfiguration](#)
- [AttributeGroup](#)
- [AttributeGroupDetails](#)
- [AttributeGroupSummary](#)
- [Integrations](#)
- [Resource](#)
- [ResourceDetails](#)
- [ResourceGroup](#)

- [ResourceInfo](#)
- [ResourceIntegrations](#)
- [ResourcesListItem](#)
- [TagQueryConfiguration](#)

## Service Catalog

The following data types are supported by Service Catalog:

- [AccessLevelFilter](#)
- [BudgetDetail](#)
- [CloudWatchDashboard](#)
- [CodeStarParameters](#)
- [ConstraintDetail](#)
- [ConstraintSummary](#)
- [EngineWorkflowResourceIdentifier](#)
- [ExecutionParameter](#)
- [FailedServiceActionAssociation](#)
- [LastSync](#)
- [LaunchPath](#)
- [LaunchPathSummary](#)
- [ListRecordHistorySearchFilter](#)
- [ListTagOptionsFilters](#)
- [OrganizationNode](#)
- [ParameterConstraints](#)
- [PortfolioDetail](#)
- [PortfolioShareDetail](#)
- [Principal](#)
- [ProductViewAggregationValue](#)
- [ProductViewDetail](#)
- [ProductViewSummary](#)
- [ProvisionedProductAttribute](#)

- [ProvisionedProductDetail](#)
- [ProvisionedProductPlanDetails](#)
- [ProvisionedProductPlanSummary](#)
- [ProvisioningArtifact](#)
- [ProvisioningArtifactDetail](#)
- [ProvisioningArtifactOutput](#)
- [ProvisioningArtifactParameter](#)
- [ProvisioningArtifactPreferences](#)
- [ProvisioningArtifactProperties](#)
- [ProvisioningArtifactSummary](#)
- [ProvisioningArtifactView](#)
- [ProvisioningParameter](#)
- [ProvisioningPreferences](#)
- [RecordDetail](#)
- [RecordError](#)
- [RecordOutput](#)
- [RecordTag](#)
- [ResourceChange](#)
- [ResourceChangeDetail](#)
- [ResourceDetail](#)
- [ResourceTargetDefinition](#)
- [ServiceActionAssociation](#)
- [ServiceActionDetail](#)
- [ServiceActionSummary](#)
- [ShareDetails](#)
- [ShareError](#)
- [SourceConnection](#)
- [SourceConnectionDetail](#)
- [SourceConnectionParameters](#)
- [StackInstance](#)



- [Tag](#)
- [TagOptionDetail](#)
- [TagOptionSummary](#)
- [UniqueTagResourceIdentifier](#)
- [UpdateProvisioningParameter](#)
- [UpdateProvisioningPreferences](#)
- [UsageInstruction](#)

## AccessLevelFilter

Service: Service Catalog

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

## BudgetDetail

Service: Service Catalog

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

# CloudWatchDashboard

Service: Service Catalog

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

## CodeStarParameters

Service: Service Catalog

The subtype containing details about the CodeStar connection Type.

### Contents

#### ArtifactPath

The absolute path where the artifact resides within the repo and branch, formatted as "folder/file.json."

Type: String

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

#### Branch

The specific branch where the artifact resides.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 250.

Required: Yes

#### ConnectionArn

The CodeStar ARN, which is the connection between AWS Service Catalog and the external repository.

Type: String

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

Pattern: `arn:[a-z0-9][-.a-z0-9]{0,62}:(codestar-connections|codeconnections):([a-z0-9][-.a-z0-9]{0,62})?:([a-z0-9][-.a-z0-9]{0,62})?:[^/].{0,1023}$`

Required: Yes

## Repository

The specific repository where the product's artifact-to-be-synced resides, formatted as "Account/Repo."

Type: String

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

Required: Yes

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## ConstraintDetail

Service: Service Catalog

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

Length Constraints: Maximum length of 2000.

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

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

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)





## ConstraintSummary

Service: Service Catalog

Summary information about a constraint.

### Contents

### Description

The description of the constraint.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

### Type

The type of constraint.

- LAUNCH
- NOTIFICATION
- STACKSET
- TEMPLATE

Type: String

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

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# EngineWorkflowResourceIdentifier

Service: Service Catalog

The ID for the provisioned product resources that are part of a resource group.

## Contents

### UniqueTag

The unique key-value pair for a tag that identifies provisioned product resources.

Type: [UniqueTagResourceIdentifier](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ExecutionParameter

Service: Service Catalog

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

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

Required: No

#### Type

The execution parameter type.

Type: String

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

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## FailedServiceActionAssociation

Service: Service Catalog

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 | INVALID\_PARAMETER

Required: No

#### ErrorMessage

A text description of the error.

Type: String

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

Required: No

#### ProductId

The product identifier. For example, prod-abc dzk7xy33qa.

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-4abcdjnxjj6ne.

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

## LastSync

Service: Service Catalog

Provides details about the product's connection sync and contains the following sub-fields.

- LastSyncTime
- LastSyncStatus
- LastSyncStatusMessage
- LastSuccessfulSyncTime
- LastSuccessfulSyncProvisioningArtifactID

### Contents

#### LastSuccessfulSyncProvisioningArtifactId

The ProvisioningArtifactID of the ProvisioningArtifact created from the latest successful sync.

Type: String

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

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

Required: No

#### LastSuccessfulSyncTime

The time of the latest successful sync from the source repo artifact to the AWS Service Catalog product.

Type: Timestamp

Required: No

#### LastSyncStatus

The current status of the sync. Responses include SUCCEEDED or FAILED.

Type: String

Valid Values: SUCCEEDED | FAILED



Required: No

**LastSyncStatusMessage**

The sync's status message.

Type: String

Required: No

**LastSyncTime**

The time of the last attempted sync from the repository to the AWS Service Catalog product.

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

## LaunchPath

Service: Service Catalog

A launch path object.

### Contents

#### Id

The identifier of the launch 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 launch path.

Type: String

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## LaunchPathSummary

Service: Service Catalog

Summary information about a product path for a user.

### Contents

#### ConstraintSummaries

The constraints on the portfolio-product relationship.

Type: Array of [ConstraintSummary](#) 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 that contains the product.

Type: String

Required: No

#### Tags

The tags associated with this product path.

Type: Array of [Tag](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

# ListRecordHistorySearchFilter

Service: Service Catalog

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

# ListTagOptionsFilters

Service: Service Catalog

Filters to use when listing TagOptions.

## Contents

### Active

The active state.

Type: Boolean

Required: No

### Key

The TagOption key.

Type: String

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

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

Required: No

### Value

The TagOption value.

Type: String

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

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

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## OrganizationNode

Service: Service Catalog

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

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



## ParameterConstraints

Service: Service Catalog

The constraints that the administrator has put on the parameter.

### Contents

#### AllowedPattern

A regular expression that represents the patterns that allow for `String` types. The pattern must match the entire parameter value provided.

Type: `String`

Required: No

#### AllowedValues

The values that the administrator has allowed for the parameter.

Type: `Array of strings`

Required: No

#### ConstraintDescription

A string that explains a constraint when the constraint is violated. For example, without a constraint description, a parameter that has an allowed pattern of `[A-Za-z0-9]+` displays the following error message when the user specifies an invalid value:

```
Malformed input-Parameter MyParameter must match pattern [A-Za-z0-9]+
```

By adding a constraint description, such as `must only contain letters (uppercase and lowercase) and numbers`, you can display the following customized error message:

```
Malformed input-Parameter MyParameter must only contain uppercase and lowercase letters and numbers.
```

Type: `String`

Required: No

#### MaxLength

An integer value that determines the largest number of characters you want to allow for `String` types.

Type: String

Required: No

### **MaxValue**

A numeric value that determines the largest numeric value you want to allow for Number types.

Type: String

Required: No

### **MinLength**

An integer value that determines the smallest number of characters you want to allow for String types.

Type: String

Required: No

### **MinValue**

A numeric value that determines the smallest numeric value you want to allow for Number types.

Type: String

Required: No

### **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## PortfolioDetail

Service: Service Catalog

Information about a portfolio.

### Contents

#### ARN

The ARN assigned to the portfolio.

Type: String

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

Required: No

#### CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

#### Description

The description of the portfolio.

Type: String

Length Constraints: Maximum length of 2000.

Required: No

#### DisplayName

The name to use for display purposes.

Type: String

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

Required: No

**Id**

The portfolio identifier.

Type: String

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

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

Required: No

**ProviderName**

The name of the portfolio provider.

Type: String

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

Required: No

**See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## PortfolioShareDetail

Service: Service Catalog

Information about the portfolio share.

### Contents

#### Accepted

Indicates whether the shared portfolio is imported by the recipient account. If the recipient is in an organization node, the share is automatically imported, and the field is always set to true.

Type: Boolean

Required: No

#### PrincipalARN

Type: String

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

Required: No

#### PrincipalId

The identifier of the recipient entity that received the portfolio share. The recipient entity can be one of the following:

1. An external account.
2. An organization member account.
3. An organizational unit (OU).
4. The organization itself. (This shares with every account in the organization).

Type: String

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

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

Required: No

## SharePrincipals

Indicates if `Principal` sharing is enabled or disabled for the portfolio share.

Type: Boolean

Required: No

## ShareTagOptions

Indicates whether `TagOptions` sharing is enabled or disabled for the portfolio share.

Type: Boolean

Required: No

## Status

Type: String

Valid Values: NOT\_STARTED | IN\_PROGRESS | COMPLETED | COMPLETED\_WITH\_ERRORS  
| ERROR

Required: No

## Type

The type of the portfolio share.

Type: String

Valid Values: ACCOUNT | ORGANIZATION | ORGANIZATIONAL\_UNIT |  
ORGANIZATION\_MEMBER\_ACCOUNT

Required: No

## See Also

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

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

- [AWS SDK for Ruby V3](#)

## Principal

Service: Service Catalog

Information about a principal.

### Contents

#### PrincipalARN

The ARN of the principal (user, role, or group). This field allows for an ARN with no accountID, with or without wildcard characters if the PrincipalType is an IAM\_PATTERN.

For more information, review [associate-principal-with-portfolio](#) in the AWS CLI Command Reference.

Type: String

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

Required: No

#### PrincipalType

The principal type. The supported value is IAM if you use a fully defined ARN, or IAM\_PATTERN if you use an ARN with no accountID, with or without wildcard characters.

Type: String

Valid Values: IAM | IAM\_PATTERN

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# ProductViewAggregationValue

Service: Service Catalog

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

## ProductViewDetail

Service: Service Catalog

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](#) object

Required: No

#### SourceConnection

A top level ProductViewDetail response containing details about the product's connection. AWS Service Catalog returns this field for the CreateProduct, UpdateProduct, DescribeProductAsAdmin, and SearchProductAsAdmin APIs. This response contains the same fields as the ConnectionParameters request, with the addition of the LastSync response.

Type: [SourceConnectionDetail](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProductViewSummary

Service: Service Catalog

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](#) to disambiguate between paths. Otherwise, [ListLaunchPaths](#) is not required, and the output of [ProductViewSummary](#) can be used directly with [DescribeProvisioningParameters](#).

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.

Valid Values: CLOUD\_FORMATION\_TEMPLATE | MARKETPLACE | TERRAFORM\_OPEN\_SOURCE  
| EXTERNAL | TERRAFORM\_CLOUD

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProvisionedProductAttribute

Service: Service Catalog

Information about a provisioned product.

### Contents

#### Arn

The ARN of the provisioned product.

Type: String

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

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

Required: No

#### CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

#### Id

The identifier of the provisioned product.

Type: String

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

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

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

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

Required: No

### **LastProvisioningRecordId**

The record identifier of the last request performed on this provisioned product of the following types:

- ProvisionProduct
- UpdateProvisionedProduct
- ExecuteProvisionedProductPlan
- TerminateProvisionedProduct

Type: String

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

Pattern: `^[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

### **LastSuccessfulProvisioningRecordId**

The record identifier of the last successful request performed on this provisioned product of the following types:

- ProvisionProduct
- UpdateProvisionedProduct



- ExecuteProvisionedProductPlan
- TerminateProvisionedProduct

Type: String

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

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

Required: No

## LaunchRoleArn

Type: String

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

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

Required: No

## Name

The user-friendly name of the provisioned product.

Type: String

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

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

Required: No

## PhysicalId

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

Type: String

Required: No

**ProductId**

The product identifier.

Type: String

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

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

Required: No

## **ProductName**

The name of the product.

Type: String

Length Constraints: Maximum length of 8191.

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

## **ProvisioningArtifactName**

The name of the provisioning artifact.

Type: String

Length Constraints: Maximum length of 8192.

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, AWS 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](#) objects

Array Members: Maximum number of 50 items.

Required: No

### Type

The type of provisioned product. The supported values are **CFN\_STACK**, **CFN\_STACKSET**, **TERRAFORM\_OPEN\_SOURCE**, **TERRAFORM\_CLOUD**, and **EXTERNAL**.

Type: String

Required: No

**UserArn**

The Amazon Resource Name (ARN) of the user.

Type: String

Required: No

**UserArnSession**

The ARN of the 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProvisionedProductDetail

Service: Service Catalog

Information about a provisioned product.

### Contents

#### Arn

The ARN of the provisioned product.

Type: String

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

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

Required: No

#### CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

#### Id

The identifier of the provisioned product.

Type: String

Required: No

#### IdempotencyToken

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

Type: String

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

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

Required: No

### **LastProvisioningRecordId**

The record identifier of the last request performed on this provisioned product of the following types:

- ProvisionProduct
- UpdateProvisionedProduct
- ExecuteProvisionedProductPlan
- TerminateProvisionedProduct

Type: String

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

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

Required: No

### **LastRecordId**

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

Type: String

Required: No

### **LastSuccessfulProvisioningRecordId**

The record identifier of the last successful request performed on this provisioned product of the following types:

- ProvisionProduct
- UpdateProvisionedProduct
- ExecuteProvisionedProductPlan
- TerminateProvisionedProduct

Type: String

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

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

Required: No

## LaunchRoleArn

The ARN of the launch role associated with the provisioned product.

Type: String

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

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

Required: No

## Name

The user-friendly name of the provisioned product.

Type: String

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

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

Required: No

**ProductId**

The product identifier. For example, prod-abc<sup>1</sup>dk7xy33qa.

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-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, AWS 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**, **CFN\_STACKSET**, **TERRAFORM\_OPEN\_SOURCE**, **TERRAFORM\_CLOUD**, and **EXTERNAL**.



Type: String

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProvisionedProductPlanDetails

Service: Service Catalog

Information about a plan.

### Contents

#### CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

#### NotificationArns

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

Type: Array of strings

Array Members: Maximum number of 5 items.

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

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

Required: No

#### PathId

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

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](#) 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

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

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

Required: No

### **Status**

The status.

Type: String

Valid Values: `CREATE_IN_PROGRESS` | `CREATE_SUCCESS` | `CREATE_FAILED` | `EXECUTE_IN_PROGRESS` | `EXECUTE_SUCCESS` | `EXECUTE_FAILED`

Required: No

### StatusMessage

The status message.

Type: String

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

Required: No

### Tags

One or more tags.

Type: Array of [Tag](#) objects

Array Members: Maximum number of 50 items.

Required: No

### UpdatedTime

The UTC time stamp 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProvisionedProductPlanSummary

Service: Service Catalog

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

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

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

Required: No

### **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ProvisioningArtifact

Service: Service Catalog

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

Length Constraints: Maximum length of 8192.

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

Length Constraints: Maximum length of 8192.

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProvisioningArtifactDetail

Service: Service Catalog

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

Length Constraints: Maximum length of 8192.

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

Length Constraints: Maximum length of 8192.

Required: No

## SourceRevision

Specifies the revision of the external artifact that was used to automatically sync the AWS Service Catalog product and create the provisioning artifact. AWS Service Catalog includes this response parameter as a high level field to the existing `ProvisioningArtifactDetail` type, which is returned as part of the response for `CreateProduct`, `UpdateProduct`, `DescribeProductAsAdmin`, `DescribeProvisioningArtifact`, `ListProvisioningArtifact`, and `UpdateProvisioningArtifact` APIs.

This field only exists for Repo-Synced products.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

## Type

The type of provisioning artifact.

- `CLOUDFORMATION_TEMPLATE` - AWS CloudFormation template
- `TERRAFORM_OPEN_SOURCE` - Terraform Open Source configuration file
- `TERRAFORM_CLOUD` - Terraform Cloud configuration file
- `EXTERNAL` - External configuration file

Type: String

Valid Values: CLOUD\_FORMATION\_TEMPLATE | MARKETPLACE\_AMI | MARKETPLACE\_CAR |  
TERRAFORM\_OPEN\_SOURCE | EXTERNAL | TERRAFORM\_CLOUD

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ProvisioningArtifactOutput

Service: Service Catalog

Provisioning artifact output.

## Contents

## Description

Description of the provisioning artifact output key.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

## Key

The provisioning artifact output key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

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

# ProvisioningArtifactParameter

Service: Service Catalog

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

## ProvisioningArtifactPreferences

Service: Service Catalog

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

## ProvisioningArtifactProperties

Service: Service Catalog

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

Length Constraints: Maximum length of 8192.

Required: No

### DisableTemplateValidation

If set to true, AWS Service Catalog stops validating the specified provisioning artifact even if it is invalid.

AWS Service Catalog does not support template validation for the TERRAFORM\_OS product type.

Type: Boolean

Required: No

### Info

Specify the template source with one of the following options, but not both. Keys accepted: [ `LoadTemplateFromURL`, `ImportFromPhysicalId` ]

The URL of the AWS CloudFormation template in Amazon S3 or GitHub in JSON format. Specify the URL in JSON format as follows:

```
"LoadTemplateFromURL": "https://s3.amazonaws.com/cf-templates-ozkq9d3hgiq2-us-east-1/..."
```

`ImportFromPhysicalId`: The physical id of the resource that contains the template.

Currently only supports AWS CloudFormation stack arn. Specify the physical id in JSON format

as follows: `ImportFromPhysicalId: "arn:aws:cloudformation:[us-east-1]:[accountId]:stack/[StackName]/[resourceId]"`

Type: String to string map

Map Entries: Maximum number of 100 items.

Required: No

## Name

The name of the provisioning artifact (for example, v1 v2beta). No spaces are allowed.

Type: String

Length Constraints: Maximum length of 8192.

Required: No

## Type

The type of provisioning artifact.

- `CLOUDFORMATION_TEMPLATE` - AWS CloudFormation template
- `TERRAFORM_OPEN_SOURCE` - Terraform Open Source configuration file
- `TERRAFORM_CLOUD` - Terraform Cloud configuration file
- `EXTERNAL` - External configuration file

Type: String

Valid Values: `CLOUDFORMATION_TEMPLATE` | `MARKETPLACE_AMI` | `MARKETPLACE_CAR` | `TERRAFORM_OPEN_SOURCE` | `EXTERNAL` | `TERRAFORM_CLOUD`

Required: No

## See Also

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

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

- [AWS SDK for Ruby V3](#)

## ProvisioningArtifactSummary

Service: Service Catalog

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

Length Constraints: Maximum length of 8192.

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

Length Constraints: Maximum length of 8192.

Required: No

## ProvisioningArtifactMetadata

The metadata for the provisioning artifact. This is used with AWS Marketplace products.

Type: String to string map

Map Entries: Maximum number of 100 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ProvisioningArtifactView

Service: Service Catalog

An object that contains summary information about a product view and a provisioning artifact.

### Contents

#### ProductViewSummary

Summary information about a product view.

Type: [ProductViewSummary](#) object

Required: No

#### ProvisioningArtifact

Information about a provisioning artifact. A provisioning artifact is also known as a product version.

Type: [ProvisioningArtifact](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

# ProvisioningParameter

Service: Service Catalog

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



## ProvisioningPreferences

Service: Service Catalog

The user-defined preferences that will be applied when updating a provisioned product. Not all preferences are applicable to all provisioned product type

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.

### Contents

#### StackSetAccounts

One or more AWS accounts where the provisioned product will be available.

Applicable only to a CFN\_STACKSET provisioned product type.

The specified accounts should be within the list of accounts from 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`. `StackSetMaxConcurrentCount` 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 `StackSetMaxConcurrentCount` or `StackSetMaxConcurrentPercentage`, 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 `StackSetMaxConcurrentCount` or `StackSetMaxConcurrentPercentage`, 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## RecordDetail

Service: Service Catalog

Information about a request operation.

### Contents

#### CreatedTime

The UTC time stamp of the creation time.

Type: Timestamp

Required: No

#### LaunchRoleArn

The ARN of the launch role associated with the provisioned product.

Type: String

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

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

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

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

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

Required: No

### **ProvisionedProductType**

The type of provisioned product. The supported values are CFN\_STACK, CFN\_STACKSET, TERRAFORM\_OPEN\_SOURCE, TERRAFORM\_CLOUD, and EXTERNAL.

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](#) 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](#) 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

### **UpdateTime**

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



## RecordError

Service: Service Catalog

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

## RecordOutput

Service: Service Catalog

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

# RecordTag

Service: Service Catalog

Information about a tag, which is a key-value pair.

## Contents

### Key

The key for this tag.

Type: String

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

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

Required: No

### Value

The value for this tag.

Type: String

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

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

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## ResourceChange

Service: Service Catalog

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](#) objects

Required: No

#### LogicalResourceId

The ID of the resource, as defined in the AWS CloudFormation template.

Type: String

Required: No

#### PhysicalResourceId

The ID of the resource, if it was already created.

Type: String

Required: No

#### Replacement

If the change type is Modify, indicates whether the existing resource is deleted and replaced with a new one.

Type: String

Valid Values: TRUE | FALSE | CONDITIONAL

Required: No

### **ResourceType**

The type of resource.

Type: String

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

Required: No

### **Scope**

The change scope.

Type: Array of strings

Valid Values: PROPERTIES | METADATA | CREATIONPOLICY | UPDATEPOLICY |  
DELETIONPOLICY | TAGS

Required: No

### **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ResourceChangeDetail

Service: Service Catalog

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



## ResourceDetail

Service: Service Catalog

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

## ResourceTargetDefinition

Service: Service Catalog

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

## ServiceActionAssociation

Service: Service Catalog

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-abcdek7xy33qa.

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-4abcdjnxjj6ne.

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

## ServiceActionDetail

Service: Service Catalog

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

Map Entries: Maximum number of 100 items.

Valid Keys: Name | Version | AssumeRole | Parameters

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

Required: No

### ServiceActionSummary

Summary information about the self-service action.

Type: [ServiceActionSummary](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ServiceActionSummary

Service: Service Catalog

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



## ShareDetails

Service: Service Catalog

Information about the portfolio share operation.

### Contents

#### ShareErrors

List of errors.

Type: Array of [ShareError](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ShareError

Service: Service Catalog

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

## SourceConnection

Service: Service Catalog

A top level `ProductViewDetail` response containing details about the product's connection. AWS Service Catalog returns this field for the `CreateProduct`, `UpdateProduct`, `DescribeProductAsAdmin`, and `SearchProductAsAdmin` APIs. This response contains the same fields as the `ConnectionParameters` request, with the addition of the `LastSync` response.

### Contents

#### ConnectionParameters

The connection details based on the connection Type.

Type: [SourceConnectionParameters](#) object

Required: Yes

#### Type

The only supported `SourceConnection` type is `Codestar`.

Type: String

Valid Values: CODESTAR

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## SourceConnectionDetail

Service: Service Catalog

Provides details about the configured SourceConnection.

### Contents

#### ConnectionParameters

The connection details based on the connection Type.

Type: [SourceConnectionParameters](#) object

Required: No

#### LastSync

Provides details about the product's connection sync and contains the following sub-fields.

- LastSyncTime
- LastSyncStatus
- LastSyncStatusMessage
- LastSuccessfulSyncTime
- LastSuccessfulSyncProvisioningArtifactID

Type: [LastSync](#) object

Required: No

#### Type

The only supported SourceConnection type is Codestar.

Type: String

Valid Values: CODESTAR

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## SourceConnectionParameters

Service: Service Catalog

Provides connection details.

### Contents

#### CodeStar

Provides `ConnectionType` details.

Type: [CodeStarParameters](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## StackInstance

Service: Service Catalog

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



## Tag

Service: Service Catalog

Information about a tag. A tag is a key-value pair. Tags are propagated to the resources created when provisioning a product.

### Contents

#### Key

The tag key.

Type: String

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

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

Required: Yes

#### Value

The value for this key.

Type: String

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

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

Required: Yes

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## TagOptionDetail

Service: Service Catalog

Information about a TagOption.

### Contents

#### Active

The TagOption active state.

Type: Boolean

Required: No

#### Id

The TagOption identifier.

Type: String

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

Required: No

#### Key

The TagOption key.

Type: String

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

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

Required: No

#### Owner

The AWS account Id of the owner account that created the TagOption.

Type: String

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

## TagOptionSummary

Service: Service Catalog

Summary information about a TagOption.

### Contents

#### Key

The TagOption key.

Type: String

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

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

Required: No

#### Values

The TagOption value.

Type: Array of strings

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

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

Required: No

### See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# UniqueTagResourceIdentifier

Service: Service Catalog

The unique key-value pair for a tag that identifies provisioned product resources.

## Contents

### Key

A unique key that's attached to a resource.

Type: String

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

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

Required: No

### Value

A unique value that's attached to a resource.

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

# UpdateProvisioningParameter

Service: Service Catalog

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



## UpdateProvisioningPreferences

Service: Service Catalog

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`. `StackSetMaxConcurrentCount` 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 `StackSetMaxConcurrentCount` or `StackSetMaxConcurrentPercentage`, 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 `StackSetMaxConcurrentCount` or `StackSetMaxConcurrentPercentage`, 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.

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

## UsageInstruction

Service: Service Catalog

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

## AppRegistry

The following data types are supported by AppRegistry:

- [Application](#)
- [ApplicationSummary](#)
- [ApplicationTagResult](#)
- [AppRegistryConfiguration](#)

- [AttributeGroup](#)
- [AttributeGroupDetails](#)
- [AttributeGroupSummary](#)
- [Integrations](#)
- [Resource](#)
- [ResourceDetails](#)
- [ResourceGroup](#)
- [ResourceInfo](#)
- [ResourceIntegrations](#)
- [ResourcesListItem](#)
- [TagQueryConfiguration](#)

## Application

Service: AppRegistry

Represents a AWS Service Catalog AppRegistry application that is the top-level node in a hierarchy of related cloud resource abstractions.

### Contents

#### **applicationTag**

A key-value pair that identifies an associated resource.

Type: String to string map

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

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

Value Length Constraints: Maximum length of 256.

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

Required: No

#### **arn**

The Amazon resource name (ARN) that specifies the application across services.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/applications/[-a-z0-9]+`

Required: No

#### **creationTime**

The ISO-8601 formatted timestamp of the moment when the application was created.

Type: Timestamp

Required: No

#### **description**

The description of the application.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

## **id**

The identifier of the application.

Type: String

Length Constraints: Fixed length of 26.

Pattern: [a-z0-9]+

Required: No

## **lastUpdateTime**

The ISO-8601 formatted timestamp of the moment when the application was last updated.

Type: Timestamp

Required: No

## **name**

The name of the application. The name must be unique in the region in which you are creating the application.

Type: String

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

Pattern: [-.\w]+

Required: No

## **tags**

Key-value pairs you can use to associate with the application.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

Value 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 Java V2](#)
- [AWS SDK for Ruby V3](#)



## ApplicationSummary

Service: AppRegistry

Summary of a AWS Service Catalog AppRegistry application.

### Contents

#### arn

The Amazon resource name (ARN) that specifies the application across services.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[a-z]+-\d:\d{12}:/applications/[a-z0-9]+`

Required: No

#### creationTime

The ISO-8601 formatted timestamp of the moment when the application was created.

Type: Timestamp

Required: No

#### description

The description of the application.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

#### id

The identifier of the application.

Type: String

Length Constraints: Fixed length of 26.

Pattern: `[a-z0-9]+`

Required: No

**lastUpdateTime**

The ISO-8601 formatted timestamp of the moment when the application was last updated.

Type: Timestamp

Required: No

**name**

The name of the application. The name must be unique in the region in which you are creating the application.

Type: String

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

Pattern: [-.\w]+

Required: No

**See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# ApplicationTagResult

Service: AppRegistry

The result of the application tag that's applied to a resource.

## Contents

### applicationTagStatus

The application tag is in the process of being applied to a resource, was successfully applied to a resource, or failed to apply to a resource.

Type: String

Valid Values: IN\_PROGRESS | SUCCESS | FAILURE

Required: No

### errorMessage

The message returned if the call fails.

Type: String

Required: No

### nextToken

A unique pagination token for each page of results. Make the call again with the returned token to retrieve the next page of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2024.

Pattern: [A-Za-z0-9+/=]+

Required: No

### resources

The resources associated with an application

Type: Array of [ResourcesListItem](#) objects

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# AppRegistryConfiguration

Service: AppRegistry

Includes all of the AppRegistry settings.

## Contents

### tagQueryConfiguration

Includes the definition of a tagQuery.

Type: [TagQueryConfiguration](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## AttributeGroup

Service: AppRegistry

Represents a AWS Service Catalog AppRegistry attribute group that is rich metadata which describes an application and its components.

### Contents

#### arn

The Amazon resource name (ARN) that specifies the attribute group across services.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+`

Required: No

#### creationTime

The ISO-8601 formatted timestamp of the moment the attribute group was created.

Type: Timestamp

Required: No

#### description

The description of the attribute group that the user provides.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

#### id

The globally unique attribute group identifier of the attribute group.

Type: String

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

Pattern: `[-.\w]+`

Required: No

### **lastUpdateTime**

The ISO-8601 formatted timestamp of the moment the attribute group was last updated. This time is the same as the creationTime for a newly created attribute group.

Type: Timestamp

Required: No

### **name**

The name of the attribute group.

Type: String

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

Pattern: `[-.\w]+`

Required: No

### **tags**

Key-value pairs you can use to associate with the attribute group.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

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

Value Length Constraints: Maximum length of 256.

Value 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 Java V2](#)
- [AWS SDK for Ruby V3](#)



## AttributeGroupDetails

Service: AppRegistry

The details related to a specific AttributeGroup.

### Contents

#### arn

The Amazon resource name (ARN) that specifies the attribute group.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+`

Required: No

#### createdBy

The service principal that created the attribute group.

Type: String

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

Pattern: `^(?!-)([a-z0-9-]+\.)+(aws\.internal|amazonaws\.com(\.cn)? )$`

Required: No

#### id

The unique identifier of the attribute group.

Type: String

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

Pattern: `[-.\w]+`

Required: No

**name** **Important**

This field is no longer supported. We recommend you don't use the field when using `ListAttributeGroupsForApplication`.

The name of the attribute group.

Type: String

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

Pattern: `[- . \w]+`

Required: No

**See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## AttributeGroupSummary

Service: AppRegistry

Summary of a AWS Service Catalog AppRegistry attribute group.

### Contents

#### arn

The Amazon resource name (ARN) that specifies the attribute group across services.

Type: String

Pattern: `arn:aws[-a-z]*:servicecatalog:[a-z]{2}(-gov)?-[-a-z]+-\d:\d{12}:/attribute-groups/[-.\w]+`

Required: No

#### createdBy

The service principal that created the attribute group.

Type: String

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

Pattern: `^(?!-)([a-z0-9-]+\.)+(aws\.internal|amazonaws\.com(\.cn)? )$`

Required: No

#### creationTime

The ISO-8601 formatted timestamp of the moment the attribute group was created.

Type: Timestamp

Required: No

#### description

The description of the attribute group that the user provides.

Type: String

Length Constraints: Maximum length of 1024.

Required: No

## **id**

The globally unique attribute group identifier of the attribute group.

Type: String

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

Pattern: `[-.\w]+`

Required: No

## **lastUpdateTime**

The ISO-8601 formatted timestamp of the moment the attribute group was last updated. This time is the same as the creationTime for a newly created attribute group.

Type: Timestamp

Required: No

## **name**

The name of the attribute group.

Type: String

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

Pattern: `[-.\w]+`

Required: No

## **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



## Integrations

Service: AppRegistry

The information about the service integration.

### Contents

#### **applicationTagResourceGroup**

The information about the resource group integration.

Type: [ResourceGroup](#) object

Required: No

#### **resourceGroup**

The information about the resource group integration.

Type: [ResourceGroup](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## Resource

Service: AppRegistry

The information about the resource.

### Contents

#### arn

The Amazon resource name (ARN) of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9\-.]+):([a-z]{2}(-gov)?-[a-z]+-\d{1})?:([a-z]{12})?:([a-z]{1,2})`

Required: No

#### associationTime

The time the resource was associated with the application.

Type: Timestamp

Required: No

#### integrations

The service integration information about the resource.

Type: [ResourceIntegrations](#) object

Required: No

#### name

The name of the resource.

Type: String

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

Pattern: `^[a-zA-Z0-9-]{1,256}$`

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



## ResourceDetails

Service: AppRegistry

The details related to the resource.

### Contents

#### tagValue

The value of the tag.

Type: String

Length Constraints: 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ResourceGroup

Service: AppRegistry

The information about the resource group integration.

### Contents

#### arn

The Amazon resource name (ARN) of the resource group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9\-.]+):([a-z]{2}(-gov)?-[a-z]+\d{1})?:([a-z]{12})?:(.*)`

Required: No

#### errorMessage

The error message that generates when the propagation process for the resource group fails.

Type: String

Required: No

#### state

The state of the propagation process for the resource group. The states includes:

CREATING if the resource group is in the process of being created.

CREATE\_COMPLETE if the resource group was created successfully.

CREATE\_FAILED if the resource group failed to be created.

UPDATING if the resource group is in the process of being updated.

UPDATE\_COMPLETE if the resource group updated successfully.

UPDATE\_FAILED if the resource group could not update successfully.

Type: String

Valid Values: CREATING | CREATE\_COMPLETE | CREATE\_FAILED | UPDATING |  
UPDATE\_COMPLETE | UPDATE\_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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ResourceInfo

Service: AppRegistry

The information about the resource.

### Contents

#### arn

The Amazon resource name (ARN) that specifies the resource across services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9-])+:([a-z]{2}(-gov)?-[a-z]+-\d{1})?:(\d{12})?:(.*)`

Required: No

#### name

The name of the resource.

Type: String

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

Pattern: `\S+`

Required: No

#### options

Determines whether an application tag is applied or skipped.

Type: Array of strings

Valid Values: `APPLY_APPLICATION_TAG` | `SKIP_APPLICATION_TAG`

Required: No

#### resourceDetails

The details related to the resource.

Type: [ResourceDetails](#) object

Required: No

### **resourceType**

Provides information about the AWS Service Catalog AppRegistry resource type.

Type: String

Valid Values: CFN\_STACK | RESOURCE\_TAG\_VALUE

Required: No

### **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

## ResourceIntegrations

Service: AppRegistry

The service integration information about the resource.

### Contents

#### resourceGroup

The information about the integration of Resource Groups.

Type: [ResourceGroup](#) 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

## ResourcesListItem

Service: AppRegistry

The resource in a list of resources.

### Contents

#### errorMessage

The message returned if the call fails.

Type: String

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

Required: No

#### resourceArn

The Amazon resource name (ARN) of the resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1600.

Pattern: `arn:(aws[a-zA-Z0-9-]*):([a-zA-Z0-9\-.]+):([a-z]{2}(-gov)?-[a-z]+-\d{1})?:([d{12})?:(.*)`

Required: No

#### resourceType

Provides information about the AppRegistry resource type.

Type: String

Pattern: `AWS:[a-zA-Z0-9]+:\w+`

Required: No

#### status

The status of the list item.

Type: String

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# TagQueryConfiguration

Service: AppRegistry

The definition of tagQuery. Specifies which resources are associated with an application.

## Contents

### tagKey

Condition in the IAM policy that associates resources to an application.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: `^(?!\\s+$)[\\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 Java V2](#)
- [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 [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 whether:

- Root or AWS Identity and Access Management (IAM) user credentials made the request.
- Temporary security credentials for a role or federated user made the request.
- Another AWS service made the request.

For more information, see the [CloudTrail userIdentity Element](#).