
AWS CodeArtifact

Welcome

API Version 2018-09-22



AWS CodeArtifact: Welcome

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Welcome

AWS CodeArtifact is a fully managed artifact repository compatible with language-native package managers and build tools such as npm, Apache Maven, and pip. You can use CodeArtifact to share packages with development teams and pull packages. Packages can be pulled from both public and CodeArtifact repositories. You can also create an upstream relationship between a CodeArtifact repository and another repository, which effectively merges their contents from the point of view of a package manager client.

AWS CodeArtifact Components

Use the information in this guide to help you work with the following CodeArtifact components:

- **Repository:** A CodeArtifact repository contains a set of [package versions](#), each of which maps to a set of assets, or files. Repositories are polyglot, so a single repository can contain packages of any supported type. Each repository exposes endpoints for fetching and publishing packages using tools like the **npm** CLI, the Maven CLI (**mvn**), and **pip**.
- **Domain:** Repositories are aggregated into a higher-level entity known as a *domain*. All package assets and metadata are stored in the domain, but are consumed through repositories. A given package asset, such as a Maven JAR file, is stored once per domain, no matter how many repositories it's present in. All of the assets and metadata in a domain are encrypted with the same customer master key (CMK) stored in AWS Key Management Service (AWS KMS).

Each repository is a member of a single domain and can't be moved to a different domain.

The domain allows organizational policy to be applied across multiple repositories, such as which accounts can access repositories in the domain, and which public repositories can be used as sources of packages.

Although an organization can have multiple domains, we recommend a single production domain that contains all published artifacts so that teams can find and share packages across their organization.

- **Package:** A *package* is a bundle of software and the metadata required to resolve dependencies and install the software. CodeArtifact supports [npm](#), [PyPI](#), and [Maven](#) package formats.

In CodeArtifact, a package consists of:

- A *name* (for example, `webpack` is the name of a popular npm package)
- An optional namespace (for example, `@types` in `@types/node`)
- A set of versions (for example, `1.0.0`, `1.0.1`, `1.0.2`, etc.)
- Package-level metadata (for example, npm tags)
- **Package version:** A version of a package, such as `@types/node 12.6.9`. The version number format and semantics vary for different package formats. For example, npm package versions must conform to the [Semantic Versioning specification](#). In CodeArtifact, a package version consists of the version identifier, metadata at the package version level, and a set of assets.
- **Upstream repository:** One repository is *upstream* of another when the package versions in it can be accessed from the repository endpoint of the downstream repository, effectively merging the contents of the two repositories from the point of view of a client. CodeArtifact allows creating an upstream relationship between two repositories.
- **Asset:** An individual file stored in CodeArtifact associated with a package version, such as an npm `.tgz` file or Maven POM and JAR files.

CodeArtifact supports these operations:

- **AssociateExternalConnection**: Adds an existing external connection to a repository.
- **CopyPackageVersions**: Copies package versions from one repository to another repository in the same domain.
- **CreateDomain**: Creates a domain
- **CreateRepository**: Creates a CodeArtifact repository in a domain.
- **DeleteDomain**: Deletes a domain. You cannot delete a domain that contains repositories.
- **DeleteDomainPermissionsPolicy**: Deletes the resource policy that is set on a domain.
- **DeletePackageVersions**: Deletes versions of a package. After a package has been deleted, it can be republished, but its assets and metadata cannot be restored because they have been permanently removed from storage.
- **DeleteRepository**: Deletes a repository.
- **DeleteRepositoryPermissionsPolicy**: Deletes the resource policy that is set on a repository.
- **DescribeDomain**: Returns a `DomainDescription` object that contains information about the requested domain.
- **DescribePackageVersion**: Returns a [PackageVersionDescription](#) object that contains details about a package version.
- **DescribeRepository**: Returns a `RepositoryDescription` object that contains detailed information about the requested repository.
- **DisposePackageVersions**: Disposes versions of a package. A package version with the status `Disposed` cannot be restored because they have been permanently removed from storage.
- **DisassociateExternalConnection**: Removes an existing external connection from a repository.
- **GetAuthorizationToken**: Generates a temporary authorization token for accessing repositories in the domain. The token expires the authorization period has passed. The default authorization period is 12 hours and can be customized to any length with a maximum of 12 hours.
- **GetDomainPermissionsPolicy**: Returns the policy of a resource that is attached to the specified domain.
- **GetPackageVersionAsset**: Returns the contents of an asset that is in a package version.
- **GetPackageVersionReadme**: Gets the readme file or descriptive text for a package version.
- **GetRepositoryEndpoint**: Returns the endpoint of a repository for a specific package format. A repository has one endpoint for each package format:
 - `npm`
 - `pypi`
 - `maven`
- **GetRepositoryPermissionsPolicy**: Returns the resource policy that is set on a repository.
- **ListDomains**: Returns a list of `DomainSummary` objects. Each returned `DomainSummary` object contains information about a domain.
- **ListPackages**: Lists the packages in a repository.
- **ListPackageVersionAssets**: Lists the assets for a given package version.
- **ListPackageVersionDependencies**: Returns a list of the direct dependencies for a package version.
- **ListPackageVersions**: Returns a list of package versions for a specified package in a repository.
- **ListRepositories**: Returns a list of repositories owned by the AWS account that called this method.
- **ListRepositoriesInDomain**: Returns a list of the repositories in a domain.
- **PutDomainPermissionsPolicy**: Attaches a resource policy to a domain.
- **PutRepositoryPermissionsPolicy**: Sets the resource policy on a repository that specifies permissions to access it.
- **UpdatePackageVersionsStatus**: Updates the status of one or more versions of a package.
- **UpdateRepository**: Updates the properties of a repository.

This document was last published on October 6, 2021.

Actions

The following actions are supported:

- [AssociateExternalConnection](#) (p. 5)
- [CopyPackageVersions](#) (p. 8)
- [CreateDomain](#) (p. 13)
- [CreateRepository](#) (p. 16)
- [DeleteDomain](#) (p. 20)
- [DeleteDomainPermissionsPolicy](#) (p. 23)
- [DeletePackageVersions](#) (p. 26)
- [DeleteRepository](#) (p. 30)
- [DeleteRepositoryPermissionsPolicy](#) (p. 33)
- [DescribeDomain](#) (p. 36)
- [DescribePackageVersion](#) (p. 39)
- [DescribeRepository](#) (p. 43)
- [DisassociateExternalConnection](#) (p. 46)
- [DisposePackageVersions](#) (p. 49)
- [GetAuthorizationToken](#) (p. 54)
- [GetDomainPermissionsPolicy](#) (p. 57)
- [GetPackageVersionAsset](#) (p. 59)
- [GetPackageVersionReadme](#) (p. 63)
- [GetRepositoryEndpoint](#) (p. 67)
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- [ListDomains](#) (p. 73)
- [ListPackages](#) (p. 76)
- [ListPackageVersionAssets](#) (p. 80)
- [ListPackageVersionDependencies](#) (p. 85)
- [ListPackageVersions](#) (p. 90)
- [ListRepositories](#) (p. 95)
- [ListRepositoriesInDomain](#) (p. 98)
- [ListTagsForResource](#) (p. 101)
- [PutDomainPermissionsPolicy](#) (p. 103)
- [PutRepositoryPermissionsPolicy](#) (p. 106)
- [TagResource](#) (p. 109)
- [UntagResource](#) (p. 111)
- [UpdatePackageVersionsStatus](#) (p. 113)
- [UpdateRepository](#) (p. 118)

AssociateExternalConnection

Adds an existing external connection to a repository. One external connection is allowed per repository.

Note

A repository can have one or more upstream repositories, or an external connection.

Request Syntax

```
POST /v1/repository/external-connection?domain=domain&domain-owner=domainOwner&external-connection=externalConnection&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 5)

The name of the domain that contains the repository.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 5)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

externalConnection (p. 5)

The name of the external connection to add to the repository. The following values are supported:

- `public:npmjs` - for the npm public repository.
- `public:pypi` - for the Python Package Index.
- `public:maven-central` - for Maven Central.
- `public:maven-googleandroid` - for the Google Android repository.
- `public:maven-gradleplugins` - for the Gradle plugins repository.
- `public:maven-commonsware` - for the CommonsWare Android repository.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\:]{1,99}`

Required: Yes

repository (p. 5)

The name of the repository to which the external connection is added.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\:]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "externalConnections": [
      {
        "externalConnectionName": "string",
        "packageFormat": "string",
        "status": "string"
      }
    ],
    "name": "string",
    "upstreams": [
      {
        "repositoryName": "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.

repository (p. 6)

Information about the connected repository after processing the request.

Type: [RepositoryDescription](#) (p. 137) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

CopyPackageVersions

Copies package versions from one repository to another repository in the same domain.

Note

You must specify versions or versionRevisions. You cannot specify both.

Request Syntax

```
POST /v1/package/versions/copy?destination-  
repository=destinationRepository&domain=domain&domain-  
owner=domainOwner&format=format&namespace=namespace&package=package&source-  
repository=sourceRepository HTTP/1.1  
Content-type: application/json  
  
{  
  "allowOverwrite": boolean,  
  "includeFromUpstream": boolean,  
  "versionRevisions": {  
    "string" : "string"  
  },  
  "versions": [ "string" ]  
}
```

URI Request Parameters

The request uses the following URI parameters.

destinationRepository (p. 8)

The name of the repository into which package versions are copied.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: [A-Za-z0-9][A-Za-z0-9._\ -]{1,99}

Required: Yes

domain (p. 8)

The name of the domain that contains the source and destination repositories.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-z][a-z0-9\ -]{0,48}[a-z0-9]

Required: Yes

domainOwner (p. 8)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

format (p. 8)

The format of the package that is copied. The valid package types are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: Yes

namespace (p. 8)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

package (p. 8)

The name of the package that is copied.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

sourceRepository (p. 8)

The name of the repository that contains the package versions to copy.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

allowOverwrite (p. 8)

Set to true to overwrite a package version that already exists in the destination repository. If set to false and the package version already exists in the destination repository, the package version is returned in the `failedVersions` field of the response with an `ALREADY_EXISTS` error code.

Type: Boolean

Required: No

includeFromUpstream (p. 8)

Set to true to copy packages from repositories that are upstream from the source repository to the destination repository. The default setting is false. For more information, see [Working with upstream repositories](#).

Type: Boolean

Required: No

versionRevisions (p. 8)

A list of key-value pairs. The keys are package versions and the values are package version revisions. A `CopyPackageVersion` operation succeeds if the specified versions in the source repository match the specified package version revision.

Note

You must specify `versions` or `versionRevisions`. You cannot specify both.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[^!#/\s]+`

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

Value Pattern: `\S+`

Required: No

versions (p. 8)

The versions of the package to copy.

Note

You must specify `versions` or `versionRevisions`. You cannot specify both.

Type: Array of strings

Array Members: Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: No

Response Syntax

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

{
  "failedVersions": {
    "string": {
      "errorCode": "string",
      "errorMessage": "string"
    }
  },
  "successfulVersions": {
    "string": {
      "revision": "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.

failedVersions (p. 10)

A map of package versions that failed to copy and their error codes. The possible error codes are in the `PackageVersionError` data type. They are:

- `ALREADY_EXISTS`
- `MISMATCHED_REVISION`
- `MISMATCHED_STATUS`
- `NOT_ALLOWED`
- `NOT_FOUND`
- `SKIPPED`

Type: String to [PackageVersionError](#) (p. 135) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[^!#/\s]+`

successfulVersions (p. 10)

A list of the package versions that were successfully copied to your repository.

Type: String to [SuccessfulPackageVersionInfo](#) (p. 143) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[^!#/\s]+`

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

CreateDomain

Creates a domain. CodeArtifact *domains* make it easier to manage multiple repositories across an organization. You can use a domain to apply permissions across many repositories owned by different AWS accounts. An asset is stored only once in a domain, even if it's in multiple repositories.

Although you can have multiple domains, we recommend a single production domain that contains all published artifacts so that your development teams can find and share packages. You can use a second pre-production domain to test changes to the production domain configuration.

Request Syntax

```
POST /v1/domain?domain=domain HTTP/1.1
Content-type: application/json

{
  "encryptionKey": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 13)

The name of the domain to create. All domain names in an AWS Region that are in the same AWS account must be unique. The domain name is used as the prefix in DNS hostnames. Do not use sensitive information in a domain name because it is publicly discoverable.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

Request Body

The request accepts the following data in JSON format.

encryptionKey (p. 13)

The encryption key for the domain. This is used to encrypt content stored in a domain. An encryption key can be a key ID, a key Amazon Resource Name (ARN), a key alias, or a key alias ARN. To specify an `encryptionKey`, your IAM role must have `kms:DescribeKey` and `kms:CreateGrant` permissions on the encryption key that is used. For more information, see [DescribeKey](#) in the *AWS Key Management Service API Reference* and [AWS Key Management Service API Permissions Reference](#) in the *AWS Key Management Service Developer Guide*.

Important

CodeArtifact supports only symmetric CMKs. Do not associate an asymmetric CMK with your domain. For more information, see [Using symmetric and asymmetric keys](#) in the *AWS Key Management Service Developer Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: No

tags (p. 13)

One or more tag key-value pairs for the domain.

Type: Array of [Tag](#) (p. 144) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

Response Syntax

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

{
  "domain": {
    "arn": "string",
    "assetSizeBytes": number,
    "createdTime": number,
    "encryptionKey": "string",
    "name": "string",
    "owner": "string",
    "repositoryCount": number,
    "s3BucketArn": "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.

domain (p. 14)

Contains information about the created domain after processing the request.

Type: [DomainDescription](#) (p. 123) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

CreateRepository

Creates a repository.

Request Syntax

```
POST /v1/repository?domain=domain&domain-owner=domainOwner&repository=repository HTTP/1.1
Content-type: application/json

{
  "description": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "upstreams": [
    {
      "repositoryName": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 16)

The name of the domain that contains the created repository.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 16)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

repository (p. 16)

The name of the repository to create.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description (p. 16)

A description of the created repository.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

tags (p. 16)

One or more tag key-value pairs for the repository.

Type: Array of [Tag \(p. 144\)](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Required: No

upstreams (p. 16)

A list of upstream repositories to associate with the repository. The order of the upstream repositories in the list determines their priority order when AWS CodeArtifact looks for a requested package version. For more information, see [Working with upstream repositories](#).

Type: Array of [UpstreamRepository \(p. 145\)](#) objects

Required: No

Response Syntax

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

{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "externalConnections": [
      {
        "externalConnectionName": "string",
        "packageFormat": "string",
        "status": "string"
      }
    ],
    "name": "string",
    "upstreams": [
      {
        "repositoryName": "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.

repository (p. 17)

Information about the created repository after processing the request.

Type: [RepositoryDescription \(p. 137\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

DeleteDomain

Deletes a domain. You cannot delete a domain that contains repositories. If you want to delete a domain with repositories, first delete its repositories.

Request Syntax

```
DELETE /v1/domain?domain=domain&domain-owner=domainOwner HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 20)

The name of the domain to delete.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 20)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "domain": {
    "arn": "string",
    "assetSizeBytes": number,
    "createdTime": number,
    "encryptionKey": "string",
    "name": "string",
    "owner": "string",
    "repositoryCount": number,
    "s3BucketArn": "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.

domain (p. 20)

Contains information about the deleted domain after processing the request.

Type: [DomainDescription](#) (p. 123) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

- [AWS SDK for Ruby V3](#)

DeleteDomainPermissionsPolicy

Deletes the resource policy set on a domain.

Request Syntax

```
DELETE /v1/domain/permissions/policy?domain=domain&domain-owner=domainOwner&policy-  
revision=policyRevision HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 23)

The name of the domain associated with the resource policy to be deleted.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 23)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

policyRevision (p. 23)

The current revision of the resource policy to be deleted. This revision is used for optimistic locking, which prevents others from overwriting your changes to the domain's resource policy.

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

Pattern: `\S+`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "policy": {  
    "document": "string",  
    "resourceArn": "string",  
    "revision": "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.

policy (p. 23)

Information about the deleted resource policy after processing the request.

Type: [ResourcePolicy](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

DeletePackageVersions

Deletes one or more versions of a package. A deleted package version cannot be restored in your repository. If you want to remove a package version from your repository and be able to restore it later, set its status to `Archived`. Archived packages cannot be downloaded from a repository and don't show up with list package APIs (for example, [ListPackageVersions](#)), but you can restore them using [UpdatePackageVersionsStatus](#).

Request Syntax

```
POST /v1/package/versions/delete?domain=domain&domain-  
owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository  
HTTP/1.1  
Content-type: application/json  
  
{  
  "expectedStatus": "string",  
  "versions": [ "string" ]  
}
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 26)

The name of the domain that contains the package to delete.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 26)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 26)

The format of the package versions to delete. The valid values are:

- `npm`
- `pypi`
- `maven`

Valid Values: `npm | pypi | maven | nuget`

Required: Yes

namespace (p. 26)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.

- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

package (p. 26)

The name of the package with the versions to delete.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

repository (p. 26)

The name of the repository that contains the package versions to delete.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

expectedStatus (p. 26)

The expected status of the package version to delete. Valid values are:

- Published
- Unfinished
- Unlisted
- Archived
- Disposed

Type: String

Valid Values: `Published` | `Unfinished` | `Unlisted` | `Archived` | `Disposed` | `Deleted`

Required: No

versions (p. 26)

An array of strings that specify the versions of the package to delete.

Type: Array of strings

Array Members: Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

Response Syntax

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

{
  "failedVersions": {
    "string" : {
      "errorCode": "string",
      "errorMessage": "string"
    }
  },
  "successfulVersions": {
    "string" : {
      "revision": "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.

failedVersions (p. 28)

A `PackageVersionError` object that contains a map of errors codes for the deleted package that failed. The possible error codes are:

- `ALREADY_EXISTS`
- `MISMATCHED_REVISION`
- `MISMATCHED_STATUS`
- `NOT_ALLOWED`
- `NOT_FOUND`
- `SKIPPED`

Type: String to [PackageVersionError](#) (p. 135) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[^!#/\s]+`

successfulVersions (p. 28)

A list of the package versions that were successfully deleted.

Type: String to [SuccessfulPackageVersionInfo](#) (p. 143) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[^!#/\s]+`

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

DeleteRepository

Deletes a repository.

Request Syntax

```
DELETE /v1/repository?domain=domain&domain-owner=domainOwner&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 30)

The name of the domain that contains the repository to delete.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 30)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

repository (p. 30)

The name of the repository to delete.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "description": "string",
    "domainName": "string",
```

```
"domainOwner": "string",
"externalConnections": [
  {
    "externalConnectionName": "string",
    "packageFormat": "string",
    "status": "string"
  }
],
"name": "string",
"upstreams": [
  {
    "repositoryName": "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.

[repository](#) (p. 30)

Information about the deleted repository after processing the request.

Type: [RepositoryDescription](#) (p. 137) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

DeleteRepositoryPermissionsPolicy

Deletes the resource policy that is set on a repository. After a resource policy is deleted, the permissions allowed and denied by the deleted policy are removed. The effect of deleting a resource policy might not be immediate.

Important

Use `DeleteRepositoryPermissionsPolicy` with caution. After a policy is deleted, AWS users, roles, and accounts lose permissions to perform the repository actions granted by the deleted policy.

Request Syntax

```
DELETE /v1/repository/permissions/policies?domain=domain&domain-owner=domainOwner&policy-revision=policyRevision&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

`domain` (p. 33)

The name of the domain that contains the repository associated with the resource policy to be deleted.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

`domainOwner` (p. 33)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

`policyRevision` (p. 33)

The revision of the repository's resource policy to be deleted. This revision is used for optimistic locking, which prevents others from accidentally overwriting your changes to the repository's resource policy.

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

Pattern: `\S+`

`repository` (p. 33)

The name of the repository that is associated with the resource policy to be deleted

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "policy": {
    "document": "string",
    "resourceArn": "string",
    "revision": "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.

policy (p. 34)

Information about the deleted policy after processing the request.

Type: [ResourcePolicy](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

DescribeDomain

Returns a [DomainDescription](#) object that contains information about the requested domain.

Request Syntax

```
GET /v1/domain?domain=domain&domain-owner=domainOwner HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[domain](#) (p. 36)

A string that specifies the name of the requested domain.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

[domainOwner](#) (p. 36)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "domain": {
    "arn": "string",
    "assetSizeBytes": number,
    "createdTime": number,
    "encryptionKey": "string",
    "name": "string",
    "owner": "string",
    "repositoryCount": number,
    "s3BucketArn": "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.

domain (p. 36)

Information about a domain. A domain is a container for repositories. When you create a domain, it is empty until you add one or more repositories.

Type: [DomainDescription](#) (p. 123) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

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

DescribePackageVersion

Returns a [PackageVersionDescription](#) object that contains information about the requested package version.

Request Syntax

```
GET /v1/package/version?domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository&version=packageVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 39)

The name of the domain that contains the repository that contains the package version.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 39)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 39)

A format that specifies the type of the requested package version. The valid values are:

- `npm`
- `pypi`
- `maven`

Valid Values: `npm | pypi | maven | nuget`

Required: Yes

namespace (p. 39)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

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

The name of the requested package version.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

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

A string that contains the package version (for example, 3.5.2).

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

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

The name of the repository that contains the package version.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: [A-Za-z0-9][A-Za-z0-9._\-]{1,99}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "packageVersion": {
    "displayName": "string",
    "format": "string",
    "homePage": "string",
    "licenses": [
      {
        "name": "string",
        "url": "string"
      }
    ],
    "namespace": "string",
    "packageName": "string",
    "publishedTime": number,
    "revision": "string",
    "sourceCodeRepository": "string",
    "status": "string",
    "summary": "string",
    "version": "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.

packageVersion (p. 40)

A [PackageVersionDescription](#) object that contains information about the requested package version.

Type: [PackageVersionDescription](#) (p. 132) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)

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

DescribeRepository

Returns a `RepositoryDescription` object that contains detailed information about the requested repository.

Request Syntax

```
GET /v1/repository?domain=domain&domain-owner=domainOwner&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 43)

The name of the domain that contains the repository to describe.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 43)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

repository (p. 43)

A string that specifies the name of the requested repository.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "description": "string",
```

```
"domainName": "string",
"domainOwner": "string",
"externalConnections": [
  {
    "externalConnectionName": "string",
    "packageFormat": "string",
    "status": "string"
  }
],
"name": "string",
"upstreams": [
  {
    "repositoryName": "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.

repository (p. 43)

A `RepositoryDescription` object that contains the requested repository information.

Type: [RepositoryDescription](#) (p. 137) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

DisassociateExternalConnection

Removes an existing external connection from a repository.

Request Syntax

```
DELETE /v1/repository/external-connection?domain=domain&domain-owner=domainOwner&external-connection=externalConnection&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 46)

The name of the domain that contains the repository from which to remove the external repository.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 46)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

externalConnection (p. 46)

The name of the external connection to be removed from the repository.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\:]{1,99}`

Required: Yes

repository (p. 46)

The name of the repository from which the external connection will be removed.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\:]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "externalConnections": [
      {
        "externalConnectionName": "string",
        "packageFormat": "string",
        "status": "string"
      }
    ],
    "name": "string",
    "upstreams": [
      {
        "repositoryName": "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.

repository (p. 46)

The repository associated with the removed external connection.

Type: [RepositoryDescription](#) (p. 137) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

DisposePackageVersions

Deletes the assets in package versions and sets the package versions' status to `Disposed`. A disposed package version cannot be restored in your repository because its assets are deleted.

To view all disposed package versions in a repository, use [ListPackageVersions](#) and set the `status` parameter to `Disposed`.

To view information about a disposed package version, use [DescribePackageVersion](#).

Request Syntax

```
POST /v1/package/versions/dispose?domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository
HTTP/1.1
Content-type: application/json

{
  "expectedStatus": "string",
  "versionRevisions": {
    "string" : "string"
  },
  "versions": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

`domain` (p. 49)

The name of the domain that contains the repository you want to dispose.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

`domainOwner` (p. 49)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

`format` (p. 49)

A format that specifies the type of package versions you want to dispose. The valid values are:

- `npm`
- `pypi`
- `maven`

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: Yes

namespace (p. 49)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

package (p. 49)

The name of the package with the versions you want to dispose.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

repository (p. 49)

The name of the repository that contains the package versions you want to dispose.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

expectedStatus (p. 49)

The expected status of the package version to dispose. Valid values are:

- Published
- Unfinished
- Unlisted
- Archived
- Disposed

Type: String

Valid Values: Published | Unfinished | Unlisted | Archived | Disposed | Deleted

Required: No

versionRevisions (p. 49)

The revisions of the package versions you want to dispose.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: [^!#/\s]+

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

Value Pattern: \S+

Required: No

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

The versions of the package you want to dispose.

Type: Array of strings

Array Members: Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

Response Syntax

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

{
  "failedVersions": {
    "string": {
      "errorCode": "string",
      "errorMessage": "string"
    }
  },
  "successfulVersions": {
    "string": {
      "revision": "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.

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

A PackageVersionError object that contains a map of errors codes for the disposed package versions that failed. The possible error codes are:

- ALREADY_EXISTS
- MISMATCHED_REVISION
- MISMATCHED_STATUS
- NOT_ALLOWED
- NOT_FOUND
- SKIPPED

Type: String to [PackageVersionError](#) (p. 135) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: [^!#/\s]+

[successfulVersions](#) (p. 51)

A list of the package versions that were successfully disposed.

Type: String to [SuccessfulPackageVersionInfo](#) (p. 143) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: [^!#/\s]+

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

GetAuthorizationToken

Generates a temporary authorization token for accessing repositories in the domain. This API requires the `codeartifact:GetAuthorizationToken` and `sts:GetServiceBearerToken` permissions. For more information about authorization tokens, see [AWS CodeArtifact authentication and tokens](#).

Note

CodeArtifact authorization tokens are valid for a period of 12 hours when created with the `login` command. You can call `login` periodically to refresh the token. When you create an authorization token with the `GetAuthorizationToken` API, you can set a custom authorization period, up to a maximum of 12 hours, with the `durationSeconds` parameter. The authorization period begins after `login` or `GetAuthorizationToken` is called. If `login` or `GetAuthorizationToken` is called while assuming a role, the token lifetime is independent of the maximum session duration of the role. For example, if you call `sts assume-role` and specify a session duration of 15 minutes, then generate a CodeArtifact authorization token, the token will be valid for the full authorization period even though this is longer than the 15-minute session duration.

See [Using IAM Roles](#) for more information on controlling session duration.

Request Syntax

```
POST /v1/authorization-token?domain=domain&domain-owner=domainOwner&duration=durationSeconds HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 54)

The name of the domain that is in scope for the generated authorization token.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 54)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

durationSeconds (p. 54)

The time, in seconds, that the generated authorization token is valid. Valid values are 0 and any number between 900 (15 minutes) and 43200 (12 hours). A value of 0 will set the expiration of the authorization token to the same expiration of the user's role's temporary credentials.

Valid Range: Minimum value of 0. Maximum value of 43200.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "authorizationToken": "string",
  "expiration": 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.

authorizationToken (p. 55)

The returned authentication token.

Type: String

expiration (p. 55)

A timestamp that specifies the date and time the authorization token expires.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

GetDomainPermissionsPolicy

Returns the resource policy attached to the specified domain.

Note

The policy is a resource-based policy, not an identity-based policy. For more information, see [Identity-based policies and resource-based policies](#) in the *IAM User Guide*.

Request Syntax

```
GET /v1/domain/permissions/policy?domain=domain&domain-owner=domainOwner HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 57)

The name of the domain to which the resource policy is attached.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 57)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "policy": {
    "document": "string",
    "resourceArn": "string",
    "revision": "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.

policy (p. 57)

The returned resource policy.

Type: [ResourcePolicy](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

GetPackageVersionAsset

Returns an asset (or file) that is in a package. For example, for a Maven package version, use `GetPackageVersionAsset` to download a JAR file, a POM file, or any other assets in the package version.

Request Syntax

```
GET /v1/package/version/asset?asset=asset&domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository&revision=pack
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

asset (p. 59)

The name of the requested asset.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `\P{C}+`

Required: Yes

domain (p. 59)

The name of the domain that contains the repository that contains the package version with the requested asset.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-_]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 59)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 59)

A format that specifies the type of the package version with the requested asset file. The valid values are:

- `npm`
- `pypi`
- `maven`

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: Yes

namespace (p. 59)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

package (p. 59)

The name of the package that contains the requested asset.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

packageVersion (p. 59)

A string that contains the package version (for example, `3.5.2`).

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

packageVersionRevision (p. 59)

The name of the package version revision that contains the requested asset.

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

Pattern: `\S+`

repository (p. 59)

The repository that contains the package version with the requested asset.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._-]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
X-AssetName: assetName
X-PackageVersion: packageVersion
```

```
X-PackageVersionRevision: packageVersionRevision  
asset
```

Response Elements

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

The response returns the following HTTP headers.

assetName (p. 60)

The name of the asset that is downloaded.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `\P{C}+`

packageVersion (p. 60)

A string that contains the package version (for example, 3 . 5 . 2).

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

packageVersionRevision (p. 60)

The name of the package version revision that contains the downloaded asset.

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

Pattern: `\S+`

The response returns the following as the HTTP body.

asset (p. 60)

The binary file, or asset, that is downloaded.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

GetPackageVersionReadme

Gets the readme file or descriptive text for a package version. For packages that do not contain a readme file, CodeArtifact extracts a description from a metadata file. For example, from the <description> element in the `pom.xml` file of a Maven package.

The returned text might contain formatting. For example, it might contain formatting for Markdown or reStructuredText.

Request Syntax

```
GET /v1/package/version/readme?domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository&version=packageVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 63)

The name of the domain that contains the repository that contains the package version with the requested readme file.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-_]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 63)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 63)

A format that specifies the type of the package version with the requested readme file. The valid values are:

- `npm`
- `pypi`
- `maven`

Valid Values: `npm | pypi | maven | nuget`

Required: Yes

namespace (p. 63)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.

- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

package (p. 63)

The name of the package version that contains the requested readme file.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

packageVersion (p. 63)

A string that contains the package version (for example, 3.5.2).

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

repository (p. 63)

The repository that contains the package with the requested readme file.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "format": "string",
  "namespace": "string",
  "package": "string",
  "readme": "string",
  "version": "string",
  "versionRevision": "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.

format (p. 64)

The format of the package with the requested readme file. Valid format types are:

- npm
- pypi
- maven

Type: String

Valid Values: npm | pypi | maven | nuget

namespace (p. 64)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

package (p. 64)

The name of the package that contains the returned readme file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

readme (p. 64)

The text of the returned readme file.

Type: String

version (p. 64)

The version of the package with the requested readme file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

versionRevision (p. 64)

The current revision associated with the package version.

Type: String

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

Pattern: \S+

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

GetRepositoryEndpoint

Returns the endpoint of a repository for a specific package format. A repository has one endpoint for each package format:

- npm
- pypi
- maven

Request Syntax

```
GET /v1/repository/endpoint?domain=domain&domain-owner=domainOwner&format=format&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 67)

The name of the domain that contains the repository.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 67)

The 12-digit account number of the AWS account that owns the domain that contains the repository. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 67)

Returns which endpoint of a repository to return. A repository has one endpoint for each package format:

- npm
- pypi
- maven

Valid Values: `npm | pypi | maven | nuget`

Required: Yes

repository (p. 67)

The name of the repository.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "repositoryEndpoint": "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.

repositoryEndpoint (p. 68)

A string that specifies the URL of the returned endpoint.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

GetRepositoryPermissionsPolicy

Returns the resource policy that is set on a repository.

Request Syntax

```
GET /v1/repository/permissions/policy?domain=domain&domain-owner=domainOwner&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 70)

The name of the domain containing the repository whose associated resource policy is to be retrieved.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 70)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

repository (p. 70)

The name of the repository whose associated resource policy is to be retrieved.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "policy": {
    "document": "string",
    "resourceArn": "string",
```

```
    "revision": "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.

policy (p. 70)

The returned resource policy.

Type: [ResourcePolicy](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)

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

ListDomains

Returns a list of [DomainSummary](#) objects for all domains owned by the AWS account that makes this call. Each returned `DomainSummary` object contains information about a domain.

Request Syntax

```
POST /v1/domains HTTP/1.1
Content-type: application/json

{
  "maxResults": number,
  "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[maxResults](#) (p. 73)

The maximum number of results to return per page.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

[nextToken](#) (p. 73)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S+`

Required: No

Response Syntax

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

{
  "domains": [
    {
      "arn": "string",
```

```
        "createdTime": number,  
        "encryptionKey": "string",  
        "name": "string",  
        "owner": "string",  
        "status": "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.

domains (p. 73)

The returned list of [DomainSummary](#) objects.

Type: Array of [DomainSummary](#) (p. 125) objects

nextToken (p. 73)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

ListPackages

Returns a list of [PackageSummary](#) objects for packages in a repository that match the request parameters.

Request Syntax

```
POST /v1/packages?domain=domain&domain-owner=domainOwner&format=format&max-  
results=maxResults&namespace=namespace&next-token=nextToken&package-  
prefix=packagePrefix&repository=repository HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[domain](#) (p. 76)

The name of the domain that contains the repository that contains the requested list of packages.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

[domainOwner](#) (p. 76)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

[format](#) (p. 76)

The format of the packages. The valid package types are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Valid Values: `npm` | `pypi` | `maven` | `nuget`

[maxResults](#) (p. 76)

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

[namespace](#) (p. 76)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

nextToken (p. 76)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

packagePrefix (p. 76)

A prefix used to filter returned packages. Only packages with names that start with `packagePrefix` are returned.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

repository (p. 76)

The name of the repository from which packages are to be listed.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: [A-Za-z0-9][A-Za-z0-9._\-]{1,99}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "packages": [
    {
      "format": "string",
      "namespace": "string",
      "package": "string"
    }
  ]
}
```

Response Elements

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

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

nextToken (p. 77)

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

packages (p. 77)

The list of returned [PackageSummary](#) objects.

Type: Array of [PackageSummary](#) (p. 130) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

ListPackageVersionAssets

Returns a list of [AssetSummary](#) objects for assets in a package version.

Request Syntax

```
POST /v1/package/version/assets?domain=domain&domain-owner=domainOwner&format=format&max-results=maxResults&namespace=namespace&next-token=nextToken&package=package&repository=repository&version=packageVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 80)

The name of the domain that contains the repository associated with the package version assets.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 80)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 80)

The format of the package that contains the returned package version assets. The valid package types are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: Yes

maxResults (p. 80)

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

namespace (p. 80)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

nextToken (p. 80)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

package (p. 80)

The name of the package that contains the returned package version assets.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

packageVersion (p. 80)

A string that contains the package version (for example, 3.5.2).

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

repository (p. 80)

The name of the repository that contains the package that contains the returned package version assets.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: [A-Za-z0-9][A-Za-z0-9._\-]{1,99}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "assets": [
    {
      "hashes": {
        "string" : "string"
      },
      "name": "string",
      "size": number
    }
  ]
}
```

```
] ,
  "format": "string",
  "namespace": "string",
  "nextToken": "string",
  "package": "string",
  "version": "string",
  "versionRevision": "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.

assets (p. 81)

The returned list of [AssetSummary](#) objects.

Type: Array of [AssetSummary](#) (p. 122) objects

format (p. 81)

The format of the package that contains the returned package version assets.

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget`

namespace (p. 81)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

nextToken (p. 81)

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S+`

package (p. 81)

The name of the package that contains the returned package version assets.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

version (p. 81)

The version of the package associated with the returned assets.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^ ! # / \ \$] +

versionRevision (p. 81)

The current revision associated with the package version.

Type: String

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

Pattern: \S+

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

ListPackageVersionDependencies

Returns the direct dependencies for a package version. The dependencies are returned as [PackageDependency](#) objects. CodeArtifact extracts the dependencies for a package version from the metadata file for the package format (for example, the `package.json` file for npm packages and the `pom.xml` file for Maven). Any package version dependencies that are not listed in the configuration file are not returned.

Request Syntax

```
POST /v1/package/version/dependencies?domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&next-token=nextToken&package=package&repository=repository&version=packageVersion HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 85)

The name of the domain that contains the repository that contains the requested package version dependencies.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 85)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 85)

The format of the package with the requested dependencies. The valid package types are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: Yes

namespace (p. 85)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

nextToken (p. 85)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

package (p. 85)

The name of the package versions' package.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

packageVersion (p. 85)

A string that contains the package version (for example, 3.5.2).

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

repository (p. 85)

The name of the repository that contains the requested package version.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: [A-Za-z0-9][A-Za-z0-9._\-\]{1,99}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "dependencies": [
    {
      "dependencyType": "string",
      "namespace": "string",
      "package": "string",
      "versionRequirement": "string"
    }
  ],
  "format": "string",
  "namespace": "string",
```

```
"nextToken": "string",  
"package": "string",  
"version": "string",  
"versionRevision": "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.

dependencies (p. 86)

The returned list of [PackageDependency](#) objects.

Type: Array of [PackageDependency](#) (p. 128) objects

format (p. 86)

A format that specifies the type of the package that contains the returned dependencies. The valid values are:

- npm
- pypi
- maven

Type: String

Valid Values: npm | pypi | maven | nuget

namespace (p. 86)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

nextToken (p. 86)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S+`

package (p. 86)

The name of the package that contains the returned package versions dependencies.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

version (p. 86)

The version of the package that is specified in the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

versionRevision (p. 86)

The current revision associated with the package version.

Type: String

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

Pattern: \S+

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)

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

ListPackageVersions

Returns a list of [PackageVersionSummary](#) objects for package versions in a repository that match the request parameters.

Request Syntax

```
POST /v1/package/versions?domain=domain&domain-owner=domainOwner&format=format&max-  
results=maxResults&namespace=namespace&next-  
token=nextToken&package=package&repository=repository&sortBy=sortBy&status=status HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 90)

The name of the domain that contains the repository that contains the returned package versions.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 90)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 90)

The format of the returned packages. The valid package types are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: Yes

maxResults (p. 90)

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

namespace (p. 90)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

nextToken (p. 90)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

package (p. 90)

The name of the package for which you want to return a list of package versions.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

repository (p. 90)

The name of the repository that contains the package.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: [A-Za-z0-9][A-Za-z0-9._\-\]{1,99}

Required: Yes

sortBy (p. 90)

How to sort the returned list of package versions.

Valid Values: PUBLISHED_TIME

status (p. 90)

A string that specifies the status of the package versions to include in the returned list. It can be one of the following:

- Published
- Unfinished
- Unlisted
- Archived
- Disposed

Valid Values: Published | Unfinished | Unlisted | Archived | Disposed | Deleted

Request Body

The request does not have a request body.

Response Syntax

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

```
{
  "defaultDisplayVersion": "string",
  "format": "string",
  "namespace": "string",
  "nextToken": "string",
  "package": "string",
  "versions": [
    {
      "revision": "string",
      "status": "string",
      "version": "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.

defaultDisplayVersion (p. 91)

The default package version to display. This depends on the package format:

- For Maven and PyPI packages, it's the most recently published package version.
- For npm packages, it's the version referenced by the `latest` tag. If the `latest` tag is not set, it's the most recently published package version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

format (p. 91)

A format of the package. Valid package format values are:

- `npm`
- `pypi`
- `maven`

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget`

namespace (p. 91)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

nextToken (p. 91)

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

package (p. 91)

The name of the package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

versions (p. 91)

The returned list of [PackageVersionSummary](#) objects.

Type: Array of [PackageVersionSummary](#) (p. 136) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

ListRepositories

Returns a list of [RepositorySummary](#) objects. Each `RepositorySummary` contains information about a repository in the specified AWS account and that matches the input parameters.

Request Syntax

```
POST /v1/repositories?max-results=maxResults&next-token=nextToken&repository-  
prefix=repositoryPrefix HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

`maxResults` (p. 95)

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

`nextToken` (p. 95)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S+`

`repositoryPrefix` (p. 95)

A prefix used to filter returned repositories. Only repositories with names that start with `repositoryPrefix` are returned.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "nextToken": "string",  
  "repositories": [  
    {  
      "administratorAccount": "string",  
      "arn": "string",  
      "description": "string",  
      "domainName": "string",  
      "domainOwner": "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.

nextToken (p. 95)

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

repositories (p. 95)

The returned list of [RepositorySummary](#) objects.

Type: Array of [RepositorySummary](#) (p. 140) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)

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

ListRepositoriesInDomain

Returns a list of [RepositorySummary](#) objects. Each [RepositorySummary](#) contains information about a repository in the specified domain and that matches the input parameters.

Request Syntax

```
POST /v1/domain/repositories?administrator-  
account=administratorAccount&domain=domain&domain-owner=domainOwner&max-  
results=maxResults&next-token=nextToken&repository-prefix=repositoryPrefix HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[administratorAccount](#) (p. 98)

Filter the list of repositories to only include those that are managed by the AWS account ID.

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

[domain](#) (p. 98)

The name of the domain that contains the returned list of repositories.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-z][a-z0-9\-_]{0,48}[a-z0-9]

Required: Yes

[domainOwner](#) (p. 98)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

[maxResults](#) (p. 98)

The maximum number of results to return per page.

Valid Range: Minimum value of 1. Maximum value of 1000.

[nextToken](#) (p. 98)

The token for the next set of results. Use the value returned in the previous response in the next request to retrieve the next set of results.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: \S+

[repositoryPrefix](#) (p. 98)

A prefix used to filter returned repositories. Only repositories with names that start with `repositoryPrefix` are returned.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "repositories": [
    {
      "administratorAccount": "string",
      "arn": "string",
      "description": "string",
      "domainName": "string",
      "domainOwner": "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.

nextToken (p. 99)

If there are additional results, this is the token for the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S+`

repositories (p. 99)

The returned list of repositories.

Type: Array of [RepositorySummary](#) (p. 140) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

ListTagsForResource

Gets information about AWS tags for a specified Amazon Resource Name (ARN) in AWS CodeArtifact.

Request Syntax

```
POST /v1/tags?resourceArn=resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 101)

The Amazon Resource Name (ARN) of the resource to get tags for.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "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.

tags (p. 101)

A list of tag key and value pairs associated with the specified resource.

Type: Array of [Tag](#) (p. 144) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

PutDomainPermissionsPolicy

Sets a resource policy on a domain that specifies permissions to access it.

When you call `PutDomainPermissionsPolicy`, the resource policy on the domain is ignored when evaluating permissions. This ensures that the owner of a domain cannot lock themselves out of the domain, which would prevent them from being able to update the resource policy.

Request Syntax

```
PUT /v1/domain/permissions/policy HTTP/1.1
Content-type: application/json

{
  "domain": "string",
  "domainOwner": "string",
  "policyDocument": "string",
  "policyRevision": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

domain (p. 103)

The name of the domain on which to set the resource policy.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 103)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

policyDocument (p. 103)

A valid displayable JSON Aspen policy string to be set as the access control resource policy on the provided domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5120.

Required: Yes

policyRevision (p. 103)

The current revision of the resource policy to be set. This revision is used for optimistic locking, which prevents others from overwriting your changes to the domain's resource policy.

Type: String

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

Pattern: \S+

Required: No

Response Syntax

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

{
  "policy": {
    "document": "string",
    "resourceArn": "string",
    "revision": "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.

policy (p. 104)

The resource policy that was set after processing the request.

Type: [ResourcePolicy](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

PutRepositoryPermissionsPolicy

Sets the resource policy on a repository that specifies permissions to access it.

When you call `PutRepositoryPermissionsPolicy`, the resource policy on the repository is ignored when evaluating permissions. This ensures that the owner of a repository cannot lock themselves out of the repository, which would prevent them from being able to update the resource policy.

Request Syntax

```
PUT /v1/repository/permissions/policy?domain=domain&domain-owner=domainOwner&repository=repository HTTP/1.1
Content-type: application/json

{
  "policyDocument": "string",
  "policyRevision": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 106)

The name of the domain containing the repository to set the resource policy on.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 106)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

repository (p. 106)

The name of the repository to set the resource policy on.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

policyDocument (p. 106)

A valid displayable JSON Aspen policy string to be set as the access control resource policy on the provided repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5120.

Required: Yes

policyRevision (p. 106)

Sets the revision of the resource policy that specifies permissions to access the repository. This revision is used for optimistic locking, which prevents others from overwriting your changes to the repository's resource policy.

Type: String

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

Pattern: \S+

Required: No

Response Syntax

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

{
  "policy": {
    "document": "string",
    "resourceArn": "string",
    "revision": "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.

policy (p. 107)

The resource policy that was set after processing the request.

Type: [ResourcePolicy](#) (p. 142) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

TagResource

Adds or updates tags for a resource in AWS CodeArtifact.

Request Syntax

```
POST /v1/tag?resourceArn=resourceArn HTTP/1.1
Content-type: application/json

{
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 109)

The Amazon Resource Name (ARN) of the resource that you want to add or update tags for.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags (p. 109)

The tags you want to modify or add to the resource.

Type: Array of [Tag](#) (p. 144) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

UntagResource

Removes tags from a resource in AWS CodeArtifact.

Request Syntax

```
POST /v1/untag?resourceArn=resourceArn HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 111)

The Amazon Resource Name (ARN) of the resource that you want to remove tags from.

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: Yes

Request Body

The request accepts the following data in JSON format.

tagKeys (p. 111)

The tag key for each tag that you want to remove from the resource.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

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

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

For information about the errors that are common to all actions, see [Common Errors \(p. 149\)](#).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

UpdatePackageVersionsStatus

Updates the status of one or more versions of a package.

Request Syntax

```
POST /v1/package/versions/update_status?domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository
HTTP/1.1
Content-type: application/json

{
  "expectedStatus": "string",
  "targetStatus": "string",
  "versionRevisions": {
    "string" : "string"
  },
  "versions": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 113)

The name of the domain that contains the repository that contains the package versions with a status to be updated.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 113)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

format (p. 113)

A format that specifies the type of the package with the statuses to update. The valid values are:

- `npm`
- `pypi`
- `maven`

Valid Values: `npm | pypi | maven | nuget`

Required: Yes

namespace (p. 113)

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

package (p. 113)

The name of the package with the version statuses to update.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

repository (p. 113)

The repository that contains the package versions with the status you want to update.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

expectedStatus (p. 113)

The package version's expected status before it is updated. If `expectedStatus` is provided, the package version's status is updated only if its status at the time `UpdatePackageVersionsStatus` is called matches `expectedStatus`.

Type: String

Valid Values: `Published` | `Unfinished` | `Unlisted` | `Archived` | `Disposed` | `Deleted`

Required: No

targetStatus (p. 113)

The status you want to change the package version status to.

Type: String

Valid Values: `Published` | `Unfinished` | `Unlisted` | `Archived` | `Disposed` | `Deleted`

Required: Yes

versionRevisions (p. 113)

A map of package versions and package version revisions. The map `key` is the package version (for example, `3.5.2`), and the map `value` is the package version revision.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: [^!#/\s]+

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

Value Pattern: \S+

Required: No

versions (p. 113)

An array of strings that specify the versions of the package with the statuses to update.

Type: Array of strings

Array Members: Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: Yes

Response Syntax

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

{
  "failedVersions": {
    "string" : {
      "errorCode": "string",
      "errorMessage": "string"
    }
  },
  "successfulVersions": {
    "string" : {
      "revision": "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.

failedVersions (p. 115)

A list of `SuccessfulPackageVersionInfo` objects, one for each package version with a status that successfully updated.

Type: String to [PackageVersionError \(p. 135\)](#) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: [^!#/\s]+

[successfulVersions](#) (p. 115)

A list of `PackageVersionError` objects, one for each package version with a status that failed to update.

Type: String to [SuccessfulPackageVersionInfo](#) (p. 143) object map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `[^!#/\s]+`

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)

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

UpdateRepository

Update the properties of a repository.

Request Syntax

```
PUT /v1/repository?domain=domain&domain-owner=domainOwner&repository=repository HTTP/1.1
Content-type: application/json

{
  "description": "string",
  "upstreams": [
    {
      "repositoryName": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

domain (p. 118)

The name of the domain associated with the repository to update.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: Yes

domainOwner (p. 118)

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Length Constraints: Fixed length of 12.

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

repository (p. 118)

The name of the repository to update.

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\]{1,99}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description (p. 118)

An updated repository description.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

upstreams (p. 118)

A list of upstream repositories to associate with the repository. The order of the upstream repositories in the list determines their priority order when AWS CodeArtifact looks for a requested package version. For more information, see [Working with upstream repositories](#).

Type: Array of [UpstreamRepository](#) (p. 145) objects

Required: No

Response Syntax

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

{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "externalConnections": [
      {
        "externalConnectionName": "string",
        "packageFormat": "string",
        "status": "string"
      }
    ],
    "name": "string",
    "upstreams": [
      {
        "repositoryName": "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.

repository (p. 119)

The updated repository.

Type: [RepositoryDescription](#) (p. 137) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 149).

AccessDeniedException

The operation did not succeed because of an unauthorized access attempt.

HTTP Status Code: 403

ConflictException

The operation did not succeed because prerequisites are not met.

HTTP Status Code: 409

InternalServerErrorException

The operation did not succeed because of an error that occurred inside AWS CodeArtifact.

HTTP Status Code: 500

ResourceNotFoundException

The operation did not succeed because the resource requested is not found in the service.

HTTP Status Code: 404

ServiceQuotaExceededException

The operation did not succeed because it would have exceeded a service limit for your account.

HTTP Status Code: 402

ThrottlingException

The operation did not succeed because too many requests are sent to the service.

HTTP Status Code: 429

ValidationException

The operation did not succeed because a parameter in the request was sent with an invalid value.

HTTP Status Code: 400

See Also

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

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

Data Types

The CodeArtifact API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [AssetSummary](#) (p. 122)
- [DomainDescription](#) (p. 123)
- [DomainSummary](#) (p. 125)
- [LicenseInfo](#) (p. 127)
- [PackageDependency](#) (p. 128)
- [PackageSummary](#) (p. 130)
- [PackageVersionDescription](#) (p. 132)
- [PackageVersionError](#) (p. 135)
- [PackageVersionSummary](#) (p. 136)
- [RepositoryDescription](#) (p. 137)
- [RepositoryExternalConnectionInfo](#) (p. 139)
- [RepositorySummary](#) (p. 140)
- [ResourcePolicy](#) (p. 142)
- [SuccessfulPackageVersionInfo](#) (p. 143)
- [Tag](#) (p. 144)
- [UpstreamRepository](#) (p. 145)
- [UpstreamRepositoryInfo](#) (p. 146)

AssetSummary

Contains details about a package version asset.

Contents

hashes

The hashes of the asset.

Type: String to string map

Valid Keys: MD5 | SHA-1 | SHA-256 | SHA-512

Value Length Constraints: Minimum length of 32. Maximum length of 512.

Value Pattern: [0-9a-f]+

Required: No

name

The name of the asset.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: \P{C}+

Required: Yes

size

The size of the asset.

Type: Long

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DomainDescription

Information about a domain. A domain is a container for repositories. When you create a domain, it is empty until you add one or more repositories.

Contents

arn

The Amazon Resource Name (ARN) of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: No

assetSizeBytes

The total size of all assets in the domain.

Type: Long

Required: No

createdTime

A timestamp that represents the date and time the domain was created.

Type: Timestamp

Required: No

encryptionKey

The ARN of an AWS Key Management Service (AWS KMS) key associated with a domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: No

name

The name of the domain.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-z][a-z0-9\-\]{0,48}[a-z0-9]

Required: No

owner

The AWS account ID that owns the domain.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

repositoryCount

The number of repositories in the domain.

Type: Integer

Required: No

s3BucketArn

The Amazon Resource Name (ARN) of the Amazon S3 bucket that is used to store package assets in the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `\S+`

Required: No

status

The current status of a domain. The valid values are

- `Active`
- `Deleted`

Type: String

Valid Values: `Active` | `Deleted`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DomainSummary

Information about a domain, including its name, Amazon Resource Name (ARN), and status. The [ListDomains](#) operation returns a list of `DomainSummary` objects.

Contents

arn

The ARN of the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `\S+`

Required: No

createdTime

A timestamp that contains the date and time the domain was created.

Type: Timestamp

Required: No

encryptionKey

The key used to encrypt the domain.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `\S+`

Required: No

name

The name of the domain.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: No

owner

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

status

A string that contains the status of the domain. The valid values are:

- Active
- Deleted

Type: String

Valid Values: Active | Deleted

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LicenseInfo

Details of the license data.

Contents

name

Name of the license.

Type: String

Required: No

url

The URL for license data.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PackageDependency

Details about a package dependency.

Contents

dependencyType

The type of a package dependency. The possible values depend on the package type. Example types are `compile`, `runtime`, and `test` for Maven packages, and `dev`, `prod`, and `optional` for npm packages.

Type: String

Required: No

namespace

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: No

package

The name of the package that this package depends on.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: No

versionRequirement

The required version, or version range, of the package that this package depends on. The version format is specific to the package type. For example, the following are possible valid required versions: `1.2.3`, `^2.3.4`, or `4.x`.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PackageSummary

Details about a package, including its format, namespace, and name. The [ListPackages](#) operation returns a list of `PackageSummary` objects.

Contents

format

The format of the package. Valid values are:

- `npm`
- `pypi`
- `maven`

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: No

namespace

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: No

package

The name of the package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: No

See Also

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

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

- [AWS SDK for Ruby V3](#)

PackageVersionDescription

Details about a package version.

Contents

displayName

The name of the package that is displayed. The `displayName` varies depending on the package version's format. For example, if an npm package is named `ui`, is in the namespace `vue`, and has the format `npm`, then the `displayName` is `@vue/ui`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

format

The format of the package version. The valid package formats are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: No

homePage

The homepage associated with the package.

Type: String

Required: No

licenses

Information about licenses associated with the package version.

Type: Array of [LicenseInfo](#) (p. 127) objects

Required: No

namespace

The namespace of the package. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package is its `groupId`.
- The namespace of an npm package is its `scope`.
- A Python package does not contain a corresponding component, so Python packages do not have a namespace.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: No

packageName

The name of the requested package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^!#/\s]+

Required: No

publishedTime

A timestamp that contains the date and time the package version was published.

Type: Timestamp

Required: No

revision

The revision of the package version.

Type: String

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

Pattern: \S+

Required: No

sourceCodeRepository

The repository for the source code in the package version, or the source code used to build it.

Type: String

Required: No

status

A string that contains the status of the package version. It can be one of the following:

- Published
- Unfinished
- Unlisted
- Archived
- Disposed

Type: String

Valid Values: Published | Unfinished | Unlisted | Archived | Disposed | Deleted

Required: No

summary

A summary of the package version. The summary is extracted from the package. The information in and detail level of the summary depends on the package version's format.

Type: String

Required: No

version

The version of the package.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: [^ ! # / \ s] +

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PackageVersionError

An error associated with package.

Contents

errorCode

The error code associated with the error. Valid error codes are:

- `ALREADY_EXISTS`
- `MISMATCHED_REVISION`
- `MISMATCHED_STATUS`
- `NOT_ALLOWED`
- `NOT_FOUND`
- `SKIPPED`

Type: String

Valid Values: `ALREADY_EXISTS` | `MISMATCHED_REVISION` | `MISMATCHED_STATUS` | `NOT_ALLOWED` | `NOT_FOUND` | `SKIPPED`

Required: No

errorMessage

The error message associated with the error.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PackageVersionSummary

Details about a package version, including its status, version, and revision. The [ListPackageVersions](#) operation returns a list of `PackageVersionSummary` objects.

Contents

revision

The revision associated with a package version.

Type: String

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

Pattern: `\S+`

Required: No

status

A string that contains the status of the package version. It can be one of the following:

- `Published`
- `Unfinished`
- `Unlisted`
- `Archived`
- `Disposed`

Type: String

Valid Values: `Published` | `Unfinished` | `Unlisted` | `Archived` | `Disposed` | `Deleted`

Required: Yes

version

Information about a package version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[^!#/\s]+`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RepositoryDescription

The details of a repository stored in AWS CodeArtifact. A CodeArtifact repository contains a set of package versions, each of which maps to a set of assets. Repositories are polyglot—a single repository can contain packages of any supported type. Each repository exposes endpoints for fetching and publishing packages using tools like the `npm` CLI, the Maven CLI (`mvn`), and `pip`. You can create up to 100 repositories per AWS account.

Contents

administratorAccount

The 12-digit account number of the AWS account that manages the repository.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

arn

The Amazon Resource Name (ARN) of the repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `\S+`

Required: No

description

A text description of the repository.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

domainName

The name of the domain that contains the repository.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: `[a-z][a-z0-9\-\]{0,48}[a-z0-9]`

Required: No

domainOwner

The 12-digit account number of the AWS account that owns the domain that contains the repository. It does not include dashes or spaces.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

externalConnections

An array of external connections associated with the repository.

Type: Array of [RepositoryExternalConnectionInfo](#) (p. 139) objects

Required: No

name

The name of the repository.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: No

upstreams

A list of upstream repositories to associate with the repository. The order of the upstream repositories in the list determines their priority order when AWS CodeArtifact looks for a requested package version. For more information, see [Working with upstream repositories](#).

Type: Array of [UpstreamRepositoryInfo](#) (p. 146) 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RepositoryExternalConnectionInfo

Contains information about the external connection of a repository.

Contents

externalConnectionName

The name of the external connection associated with a repository.

Type: String

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-\:]{1,99}`

Required: No

packageFormat

The package format associated with a repository's external connection. The valid package formats are:

- `npm`: A Node Package Manager (npm) package.
- `pypi`: A Python Package Index (PyPI) package.
- `maven`: A Maven package that contains compiled code in a distributable format, such as a JAR file.

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget`

Required: No

status

The status of the external connection of a repository. There is one valid value, `Available`.

Type: String

Valid Values: `Available`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RepositorySummary

Details about a repository, including its Amazon Resource Name (ARN), description, and domain information. The [ListRepositories](#) operation returns a list of `RepositorySummary` objects.

Contents

administratorAccount

The AWS account ID that manages the repository.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

Required: No

arn

The ARN of the repository.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: No

description

The description of the repository.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: \P{C}*

Required: No

domainName

The name of the domain that contains the repository.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-z][a-z0-9\-\]{0,48}[a-z0-9]

Required: No

domainOwner

The 12-digit account number of the AWS account that owns the domain. It does not include dashes or spaces.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{1,2}`

Required: No

name

The name of the repository.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ResourcePolicy

An AWS CodeArtifact resource policy that contains a resource ARN, document details, and a revision.

Contents

document

The resource policy formatted in JSON.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5120.

Required: No

resourceArn

The ARN of the resource associated with the resource policy

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: \S+

Required: No

revision

The current revision of the resource policy.

Type: String

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

Pattern: \S+

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SuccessfulPackageVersionInfo

Contains the revision and status of a package version.

Contents

revision

The revision of a package version.

Type: String

Required: No

status

The status of a package version. Valid statuses are:

- Published
- Unfinished
- Unlisted
- Archived
- Disposed

Type: String

Valid Values: Published | Unfinished | Unlisted | Archived | Disposed | Deleted

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Tag

A tag is a key-value pair that can be used to manage, search for, or filter resources in AWS CodeArtifact.

Contents

key

The tag key.

Type: String

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

Required: Yes

value

The tag value.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UpstreamRepository

Information about an upstream repository. A list of `UpstreamRepository` objects is an input parameter to [CreateRepository](#) and [UpdateRepository](#).

Contents

repositoryName

The name of an upstream repository.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UpstreamRepositoryInfo

Information about an upstream repository.

Contents

repositoryName

The name of an upstream repository.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 100.

Pattern: `[A-Za-z0-9][A-Za-z0-9._\-]{1,99}`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: `access_key/YYYYMMDD/region/service/aws4_request`.

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

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'THHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is

not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400