



Welcome

# AWS CodeArtifact



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# 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, pip, and dotnet. 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 concepts

- **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 such as the **npm** CLI or the Maven CLI (**mvn**). For a list of supported package managers, see the [CodeArtifact User Guide](#).
- **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, Maven, NuGet, Swift, Ruby, Cargo, and generic package formats. For more information about the supported package formats and how to use CodeArtifact with them, see the [CodeArtifact User Guide](#).

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 group:** A group of packages that match a specified definition. Package groups can be used to apply configuration to multiple packages that match a defined pattern using package format, package namespace, and package name. You can use package groups to more conveniently configure package origin controls for multiple packages. Package origin controls are used to block or allow ingestion or publishing of new package versions, which protects users from malicious actions known as dependency substitution attacks.
- **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.

## AWS CodeArtifact supported API 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.
- `CreatePackageGroup`: Creates a package group.
- `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.
- `DeletePackage`: Deletes a package and all associated package versions.

- **DeletePackageGroup:** Deletes a package group. Does not delete packages or package versions that are associated with a package group.
- **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.
- **DescribePackage:** Returns a [PackageDescription](#) object that contains details about a package.
- **DescribePackageGroup:** Returns a [PackageGroup](#) object that contains details about a package group.
- **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.
- **GetAssociatedPackageGroup:** Returns the most closely associated package group to the specified package.
- **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:

- `cargo`
- `generic`
- `maven`
- `npm`
- `nuget`
- `pypi`
- `ruby`
- `swift`
- `GetRepositoryPermissionsPolicy`: Returns the resource policy that is set on a repository.
- `ListAllowedRepositoriesForGroup`: Lists the allowed repositories for a package group that has origin configuration set to `ALLOW_SPECIFIC_REPOSITORIES`.
- `ListAssociatedPackages`: Returns a list of packages associated with the requested package group.
- `ListDomains`: Returns a list of `DomainSummary` objects. Each returned `DomainSummary` object contains information about a domain.
- `ListPackages`: Lists the packages in a repository.
- `ListPackageGroups`: Returns a list of package groups in the requested domain.
- `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.
- `ListSubPackageGroups`: Returns a list of direct children of the specified package group.
- `PublishPackageVersion`: Creates a new package version containing one or more assets.
- `PutDomainPermissionsPolicy`: Attaches a resource policy to a domain.
- `PutPackageOriginConfiguration`: Sets the package origin configuration for a package, which determine how new versions of the package can be added to a specific repository.

- `PutRepositoryPermissionsPolicy`: Sets the resource policy on a repository that specifies permissions to access it.
- `UpdatePackageGroup`: Updates a package group. This API cannot be used to update a package group's origin configuration or pattern.
- `UpdatePackageGroupOriginConfiguration`: Updates the package origin configuration for a package group.
- `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 July 1, 2024.

# Actions

The following actions are supported:

- [AssociateExternalConnection](#)
- [CopyPackageVersions](#)
- [CreateDomain](#)
- [CreatePackageGroup](#)
- [CreateRepository](#)
- [DeleteDomain](#)
- [DeleteDomainPermissionsPolicy](#)
- [DeletePackage](#)
- [DeletePackageGroup](#)
- [DeletePackageVersions](#)
- [DeleteRepository](#)
- [DeleteRepositoryPermissionsPolicy](#)
- [DescribeDomain](#)
- [DescribePackage](#)
- [DescribePackageGroup](#)
- [DescribePackageVersion](#)
- [DescribeRepository](#)
- [DisassociateExternalConnection](#)
- [DisposePackageVersions](#)
- [GetAssociatedPackageGroup](#)
- [GetAuthorizationToken](#)
- [GetDomainPermissionsPolicy](#)
- [GetPackageVersionAsset](#)
- [GetPackageVersionReadme](#)
- [GetRepositoryEndpoint](#)
- [GetRepositoryPermissionsPolicy](#)
- [ListAllowedRepositoriesForGroup](#)

- [ListAssociatedPackages](#)
- [ListDomains](#)
- [ListPackageGroups](#)
- [ListPackages](#)
- [ListPackageVersionAssets](#)
- [ListPackageVersionDependencies](#)
- [ListPackageVersions](#)
- [ListRepositories](#)
- [ListRepositoriesInDomain](#)
- [ListSubPackageGroups](#)
- [ListTagsForResource](#)
- [PublishPackageVersion](#)
- [PutDomainPermissionsPolicy](#)
- [PutPackageOriginConfiguration](#)
- [PutRepositoryPermissionsPolicy](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdatePackageGroup](#)
- [UpdatePackageGroupOriginConfiguration](#)
- [UpdatePackageVersionsStatus](#)
- [UpdateRepository](#)

# 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

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

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

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



- `public:npmjs` - for the npm public repository.
- `public:nuget-org` - for the NuGet Gallery.
- `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.
- `public:maven-clojars` - for the Clojars repository.
- `public:ruby-gems-org` - for RubyGems.org.
- `public:crates-io` - for Crates.io.

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

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

Required: Yes

## repository

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",
"createdTime": number,
"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

Information about the connected repository after processing the request.

Type: [RepositoryDescription](#) object

## Errors

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

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

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

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

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

The format of the package versions to be copied.

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

Required: Yes

### namespace

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

#### Note

The namespace is required when copying package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

### package

The name of the package that contains the versions to be copied.

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

Pattern: `[^#\s]+`

Required: Yes

### sourceRepository

The name of the repository that contains the package versions to be copied.

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

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

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

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

The versions of the package to be copied.

#### **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

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](#) object map

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

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

### [successfulVersions](#)

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

Type: String to [SuccessfulPackageVersionInfo](#) 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](#).

### **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

### **InternalServerError**

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

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

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

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

Type: Array of [Tag](#) 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

Contains information about the created domain after processing the request.

Type: [DomainDescription](#) object

## Errors

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

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

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



# CreatePackageGroup

Creates a package group. For more information about creating package groups, including example CLI commands, see [Create a package group](#) in the *CodeArtifact User Guide*.

## Request Syntax

```
POST /v1/package-group?domain=domain&domain-owner=domainOwner HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "contactInfo": "string",
  "description": "string",
  "packageGroup": "string",
  "tags": [
    {
      "key": "string",
      "value": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

The name of the domain in which you want to create a package group.

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

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

Required: Yes

### domainOwner

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 accepts the following data in JSON format.

### contactInfo

The contact information for the created package group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: \P{C}\*

Required: No

### description

A description of the package group.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: \P{C}\*

Required: No

### packageGroup

The pattern of the package group to create. The pattern is also the identifier of the package group.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: [^\p{C}\p{IsWhitespace}]+

Required: Yes

## tags

One or more tag key-value pairs for the package group.

Type: Array of [Tag](#) 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

{
  "packageGroup": {
    "arn": "string",
    "contactInfo": "string",
    "createdTime": number,
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "originConfiguration": {
      "restrictions": {
        "string" : {
          "effectiveMode": "string",
          "inheritedFrom": {
            "arn": "string",
            "pattern": "string"
          },
          "mode": "string",
          "repositoriesCount": number
        }
      }
    },
    "parent": {
      "arn": "string",
      "pattern": "string"
    },
    "pattern": "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.

### [packageGroup](#)

Information about the created package group after processing the request.

Type: [PackageGroupDescription](#) object

## Errors

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

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

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

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

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

A description of the created repository.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### tags

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

Type: Array of [Tag](#) objects

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

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 [UpstreamRepository](#) objects

Required: No

## Response Syntax

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

{
  "repository": {
    "administratorAccount": "string",
    "arn": "string",
    "createdTime": number,
    "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](#)

Information about the created repository after processing the request.



Type: [RepositoryDescription](#) object

## Errors

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

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

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

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

Contains information about the deleted domain after processing the request.

Type: [DomainDescription](#) object

## Errors

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

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

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

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

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

Information about the deleted resource policy after processing the request.

Type: [ResourcePolicy](#) object

## Errors

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

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





# DeletePackage

Deletes a package and all associated package versions. A deleted package cannot be restored. To delete one or more package versions, use the [DeletePackageVersions](#) API.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### domain

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

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

The format of the requested package to delete.

Valid Values: `npm` | `pypi` | `maven` | `nuget` | `generic` | `ruby` | `swift` | `cargo`

Required: Yes

## namespace

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

### **Note**

The namespace is required when deleting packages of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

## package

The name of the package to delete.

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

Pattern: `[^#\s]+`

Required: Yes

## repository

The name of the repository that contains the package 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

{
  "deletedPackage": {
    "format": "string",
    "namespace": "string",
    "originConfiguration": {
      "restrictions": {
        "publish": "string",
        "upstream": "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.

### deletedPackage

Details about a package, including its format, namespace, and name.

Type: [PackageSummary](#) object

## Errors

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

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

# DeletePackageGroup

Deletes a package group. Deleting a package group does not delete packages or package versions associated with the package group. When a package group is deleted, the direct child package groups will become children of the package group's direct parent package group. Therefore, if any of the child groups are inheriting any settings from the parent, those settings could change.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### domain

The domain that contains the package group 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

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}`

### packageGroup

The pattern of the package group to be deleted.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "packageGroup": {
    "arn": "string",
    "contactInfo": "string",
    "createdTime": number,
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "originConfiguration": {
      "restrictions": {
        "string" : {
          "effectiveMode": "string",
          "inheritedFrom": {
            "arn": "string",
            "pattern": "string"
          },
          "mode": "string",
          "repositoriesCount": number
        }
      }
    },
    "parent": {
      "arn": "string",
      "pattern": "string"
    },
    "pattern": "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.



## packageGroup

Information about the deleted package group after processing the request.

Type: [PackageGroupDescription](#) object

## Errors

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

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

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](#)

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

The format of the package versions to delete.

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

Required: Yes

## namespace

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

### Note

The namespace is required when deleting package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

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

## package

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

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

The expected status of the package version to delete.

Type: String

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

Required: No

### versions

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

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](#) object map

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

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

## successfulVersions

A list of the package versions that were successfully deleted. The status of every successful version will be Deleted.

Type: String to [SuccessfulPackageVersionInfo](#) 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](#).

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

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

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

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",
    "createdTime": number,
    "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

Information about the deleted repository after processing the request.

Type: [RepositoryDescription](#) object

## Errors

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

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

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

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

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

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](#)

Information about the deleted policy after processing the request.

Type: [ResourcePolicy](#) object

## Errors

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

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

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

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

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](#) object

## Errors

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

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

# DescribePackage

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### domain

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

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

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

Required: Yes

### domainOwner

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

A format that specifies the type of the requested package.

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

Required: Yes

### namespace

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

**Note**

The namespace is required when requesting packages of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

**package**

The name of the requested package.

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

Pattern: `[^#\s]+`

Required: Yes

**repository**

The name of the repository that contains the requested package.

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

{
  "package": {
    "format": "string",
    "name": "string",
    "namespace": "string",
    "originConfiguration": {
      "restrictions": {
        "publish": "string",
        "upstream": "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.

### package

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

Type: [PackageDescription](#) object

## Errors

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

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

# DescribePackageGroup

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### domain

The name of the domain that contains the package group.

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

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

Required: Yes

### domainOwner

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}`

### packageGroup

The pattern of the requested package group.

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: Yes



## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "packageGroup": {
    "arn": "string",
    "contactInfo": "string",
    "createdTime": number,
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "originConfiguration": {
      "restrictions": {
        "string" : {
          "effectiveMode": "string",
          "inheritedFrom": {
            "arn": "string",
            "pattern": "string"
          },
          "mode": "string",
          "repositoriesCount": number
        }
      }
    },
    "parent": {
      "arn": "string",
      "pattern": "string"
    },
    "pattern": "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.

## packageGroup

A [PackageGroupDescription](#) object that contains information about the requested package group.

Type: [PackageGroupDescription](#) object

## Errors

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

### **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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=version HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

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

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

A format that specifies the type of the requested package version.

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

Required: Yes

## namespace

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

### Note

The namespace is required when requesting package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

## package

The name of the requested package version.

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

Pattern: `[^#\s]+`

Required: Yes

## packageVersion

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

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",
    "origin": {
      "domainEntryPoint": {
        "externalConnectionName": "string",
        "repositoryName": "string"
      },
      "originType": "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

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

Type: [PackageVersionDescription](#) object

## Errors

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

### **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

### **InternalServerError**

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

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

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

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",
    "createdTime": number,
    "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

A RepositoryDescription object that contains the requested repository information.

Type: [RepositoryDescription](#) object

## Errors

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

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

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

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

The name of the external connection to be removed from 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

## repository

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",
    "createdTime": number,
    "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

The repository associated with the removed external connection.

Type: [RepositoryDescription](#) object

## Errors

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

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

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](#)

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

A format that specifies the type of package versions you want to dispose.

Valid Values: `npm` | `pypi` | `maven` | `nuget` | `generic` | `ruby` | `swift` | `cargo`

Required: Yes

### namespace

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

#### Note

The namespace is required when disposing package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

### package

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

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

The expected status of the package version to dispose.

Type: String

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

Required: No

### versionRevisions

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

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

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](#) object map

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

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

### [successfulVersions](#)

A list of the package versions that were successfully disposed.

Type: String to [SuccessfulPackageVersionInfo](#) 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](#).

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

# GetAssociatedPackageGroup

Returns the most closely associated package group to the specified package. This API does not require that the package exist in any repository in the domain. As such, `GetAssociatedPackageGroup` can be used to see which package group's origin configuration applies to a package before that package is in a repository. This can be helpful to check if public packages are blocked without ingesting them.

For information package group association and matching, see [Package group definition syntax and matching behavior](#) in the *CodeArtifact User Guide*.

## Request Syntax

```
GET /v1/get-associated-package-group?domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

The name of the domain that contains the package from which to get the associated package group.

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

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

Required: Yes

### domainOwner

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

The format of the package from which to get the associated package group.

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

Required: Yes

## namespace

The namespace of the package from which to get the associated package group. The package component that specifies its namespace depends on its type. For example:

### Note

The namespace is required when getting associated package groups from packages of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

## package

The package from which to get the associated package group.

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

Pattern: `[^#\s]+`

Required: Yes



## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "associationType": "string",
  "packageGroup": {
    "arn": "string",
    "contactInfo": "string",
    "createdTime": number,
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "originConfiguration": {
      "restrictions": {
        "string" : {
          "effectiveMode": "string",
          "inheritedFrom": {
            "arn": "string",
            "pattern": "string"
          },
          "mode": "string",
          "repositoriesCount": number
        }
      }
    },
    "parent": {
      "arn": "string",
      "pattern": "string"
    },
    "pattern": "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.

### associationType

Describes the strength of the association between the package and package group. A strong match is also known as an exact match, and a weak match is known as a relative match.

Type: String

Valid Values: STRONG | WEAK

### packageGroup

The package group that is associated with the requested package.

Type: [PackageGroupDescription](#) object

## Errors

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

### **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

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

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

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

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

The returned authentication token.

Type: String

## expiration

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](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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

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

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

The returned resource policy.

Type: [ResourcePolicy](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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=revision HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### asset

The name of the requested asset.

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

Pattern: `\P{C}+`

Required: Yes

### domain

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

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

A format that specifies the type of the package version with the requested asset file.

Valid Values: `npm` | `pypi` | `maven` | `nuget` | `generic` | `ruby` | `swift` | `cargo`

Required: Yes

### namespace

The namespace of the package version with the requested asset file. The package component that specifies its namespace depends on its type. For example:

#### **Note**

The namespace is required when requesting assets from package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

### package

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

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

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

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

The name of the asset that is downloaded.

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

Pattern: `\P{C}+`

### packageVersion

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

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

The binary file, or asset, that is downloaded.

## Errors

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

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

- [AWS SDK for JavaScript V3](#)
- [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.

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=version HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

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

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

A format that specifies the type of the package version with the requested readme file.

Valid Values: `npm | pypi | nuget`

Required: Yes

## namespace

The namespace of the package version with the requested readme file. The package component that specifies its namespace depends on its type. For example:

### Note

The namespace is required when requesting the readme from package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

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

## package

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

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

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

The format of the package with the requested readme file.

Type: String

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

### namespace

The namespace of the package version with the requested readme file. The package component that specifies its namespace depends on its type. For example:

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: [^#/\s]+

### package

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

The text of the returned readme file.

Type: String

### version

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

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](#).

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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

- cargo
- generic
- maven
- npm
- nuget
- pypi
- ruby
- swift

## 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

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

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

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

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

Required: Yes

### repository

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

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](#).

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

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

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

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

The returned resource policy.

Type: [ResourcePolicy](#) object

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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

# ListAllowedRepositoriesForGroup

Lists the repositories in the added repositories list of the specified restriction type for a package group. For more information about restriction types and added repository lists, see [Package group origin controls](#) in the *CodeArtifact User Guide*.

## Request Syntax

```
GET /v1/package-group-allowed-repositories?domain=domain&domain-owner=domainOwner&max-  
results=maxResults&next-  
token=nextToken&originRestrictionType=originRestrictionType&package-group=packageGroup  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

The name of the domain that contains the package group from which to list allowed 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

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

The maximum number of results to return per page.

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

## nextToken

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+`

## originRestrictionType

The origin configuration restriction type of which to list allowed repositories.

Valid Values: EXTERNAL\_UPSTREAM | INTERNAL\_UPSTREAM | PUBLISH

Required: Yes

## packageGroup

The pattern of the package group from which to list allowed repositories.

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "allowedRepositories": [ "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.

### allowedRepositories

The list of allowed repositories for the package group and origin configuration restriction type.

Type: Array of strings

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

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

### nextToken

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](#).

### **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



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

# ListAssociatedPackages

Returns a list of packages associated with the requested package group. For information package group association and matching, see [Package group definition syntax and matching behavior](#) in the *CodeArtifact User Guide*.

## Request Syntax

```
GET /v1/list-associated-packages?domain=domain&domain-owner=domainOwner&max-  
results=maxResults&next-token=nextToken&package-group=packageGroup&preview=preview  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

The name of the domain that contains the package group from which to list associated 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

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

The maximum number of results to return per page.

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

## nextToken

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+

## packageGroup

The pattern of the package group from which to list associated packages.

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: [^\p{C}\p{IsWhitespace}]+

Required: Yes

## preview

When this flag is included, `ListAssociatedPackages` will return a list of packages that would be associated with a package group, even if it does not exist.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "packages": [
    {
      "associationType": "string",
      "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

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+

### packages

The list of packages associated with the requested package group.

Type: Array of [AssociatedPackage](#) objects

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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

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

The maximum number of results to return per page.

Type: Integer

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

Required: No

### [nextToken](#)

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

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

Type: Array of [DomainSummary](#) objects

### nextToken

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](#).

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerError

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



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

# ListPackageGroups

Returns a list of package groups in the requested domain.

## Request Syntax

```
POST /v1/package-groups?domain=domain&domain-owner=domainOwner&max-  
results=maxResults&next-token=nextToken&prefix=prefix HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### domain

The domain for which you want to list package groups.

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

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

Required: Yes

### domainOwner

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

The maximum number of results to return per page.

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

### nextToken

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+`

### [prefix](#)

A prefix for which to search package groups. When included, `ListPackageGroups` will return only package groups with patterns that match the prefix.

Length Constraints: Minimum length of 0. Maximum length of 520.

Pattern: `\P{C}*`

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "packageGroups": [
    {
      "arn": "string",
      "contactInfo": "string",
      "createdTime": number,
      "description": "string",
      "domainName": "string",
      "domainOwner": "string",
      "originConfiguration": {
        "restrictions": {
          "string": {
            "effectiveMode": "string",
            "inheritedFrom": {
              "arn": "string",
              "pattern": "string"
            },
            "mode": "string",
            "repositoriesCount": number
          }
        }
      }
    }
  ]
}
```

```
    }
  },
  "parent": {
    "arn": "string",
    "pattern": "string"
  },
  "pattern": "string"
}
]
```

## Response Elements

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

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

### nextToken

The token 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+

### packageGroups

The list of package groups in the requested domain.

Type: Array of [PackageGroupSummary](#) objects

## Errors

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

### **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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&publish=publish&repository=repository&upstream=upstream HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [domain](#)

The name of the domain that contains the repository that contains the requested 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](#)

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](#)

The format used to filter requested packages. Only packages from the provided format will be returned.

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

### [maxResults](#)

The maximum number of results to return per page.

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

## namespace

The namespace prefix used to filter requested packages. Only packages with a namespace that starts with the provided string value are returned. Note that although this option is called `--namespace` and not `--namespace-prefix`, it has prefix-matching behavior.

Each package format uses namespace as follows:

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

## nextToken

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

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

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

Pattern: `[^#\s]+`

## publish

The value of the `Publish` package origin control restriction used to filter requested packages. Only packages with the provided restriction are returned. For more information, see [PackageOriginRestrictions](#).

Valid Values: ALLOW | BLOCK

### repository

The name of the repository that contains the requested packages.

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

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

Required: Yes

### upstream

The value of the Upstream package origin control restriction used to filter requested packages. Only packages with the provided restriction are returned. For more information, see [PackageOriginRestrictions](#).

Valid Values: ALLOW | BLOCK

## 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",
      "originConfiguration": {
        "restrictions": {
          "publish": "string",
          "upstream": "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

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

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

Type: Array of [PackageSummary](#) objects

## Errors

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

### **AccessDeniedException**

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

HTTP Status Code: 403

### **InternalServerError**

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

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

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

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

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

Required: Yes

## maxResults

The maximum number of results to return per page.

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

## namespace

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

### Note

The namespace is required requesting assets from package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

## nextToken

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

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

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

Pattern: `[^#\s]+`

Required: Yes

### packageVersion

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

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

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

Type: Array of [AssetSummary](#) objects

### format

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

Type: String

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

### namespace

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

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: `[^#\s]+`

### nextToken

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

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

Type: String

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

Pattern: `[^#\s]+`

### version

The version of the package associated with the requested assets.

Type: String

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

Pattern: `[^#\s]+`

### versionRevision

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](#).

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



- [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](#)

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](#)

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](#)

The format of the package with the requested dependencies.

Valid Values: npm | pypi | maven | nuget

Required: Yes

## namespace

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

### Note

The namespace is required when listing dependencies from package versions of the following formats:

- Maven

- The namespace of a Maven package version is its groupId.
- The namespace of an npm package version is its scope.
- Python and NuGet package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

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

## nextToken

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

The name of the package versions' package.

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

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

Required: Yes

### packageVersion

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

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

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

Type: Array of [PackageDependency](#) objects

### format

A format that specifies the type of the package that contains the returned dependencies.

Type: String

Valid Values: npm | pypi | maven | nuget

### namespace

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

#### Note

The namespace is required when listing dependencies from package versions of the following formats:

- Maven

- The namespace of a Maven package version is its groupId.
- The namespace of an npm package version is its scope.
- Python and NuGet package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: `[^#\s]+`

### nextToken

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

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

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

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](#).

### **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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. Package versions of all statuses will be returned by default when calling `list-package-versions` with no `--status` parameter.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### domain

The name of the domain that contains the repository that contains the requested 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

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

The format of the package versions you want to list.

Valid Values: `npm` | `pypi` | `maven` | `nuget` | `generic` | `ruby` | `swift` | `cargo`

Required: Yes

## maxResults

The maximum number of results to return per page.

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

## namespace

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

### Note

The namespace is required when deleting package versions of the following formats:

- Maven
- Swift
- generic

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

## nextToken

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+`

## originType

The `originType` used to filter package versions. Only package versions with the provided `originType` will be returned.

Valid Values: INTERNAL | EXTERNAL | UNKNOWN

### package

The name of the package for which you want to request package versions.

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

Pattern: `[^#\s]+`

Required: Yes

### repository

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

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

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

Required: Yes

### sortBy

How to sort the requested list of package versions.

Valid Values: PUBLISHED\_TIME

### status

A string that filters the requested package versions by status.

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

## 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": [
  {
    "origin": {
      "domainEntryPoint": {
        "externalConnectionName": "string",
        "repositoryName": "string"
      },
      "originType": "string"
    },
    "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

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

A format of the package.

Type: String

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

### namespace

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

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: [^#/\s]+

### nextToken

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

The name of the package.

Type: String

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

Pattern: [^#/\s]+

### versions

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

Type: Array of [PackageVersionSummary](#) objects

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerError

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

The maximum number of results to return per page.

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

### [nextToken](#)

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](#)

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",
      "createdTime": number,
      "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

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

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

Type: Array of [RepositorySummary](#) objects

## Errors

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

### AccessDeniedException

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

HTTP Status Code: 403

### InternalServerError

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

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](#)

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](#)

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

The maximum number of results to return per page.

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

## nextToken

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

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",
      "createdTime": number,
      "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

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

The returned list of repositories.

Type: Array of [RepositorySummary](#) objects

## Errors

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

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

# ListSubPackageGroups

Returns a list of direct children of the specified package group.

For information package group hierarchy, see [Package group definition syntax and matching behavior](#) in the *CodeArtifact User Guide*.

## Request Syntax

```
POST /v1/package-groups/sub-groups?domain=domain&domain-owner=domainOwner&max-results=maxResults&next-token=nextToken&package-group=packageGroup HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [domain](#)

The name of the domain which contains the package group from which to list sub package groups.

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

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

Required: Yes

### [domainOwner](#)

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](#)

The maximum number of results to return per page.

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



## nextToken

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+`

## packageGroup

The pattern of the package group from which to list sub package groups.

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "packageGroups": [
    {
      "arn": "string",
      "contactInfo": "string",
      "createdTime": number,
      "description": "string",
      "domainName": "string",
      "domainOwner": "string",
      "originConfiguration": {
        "restrictions": {
          "string": {
            "effectiveMode": "string",
```

```
        "inheritedFrom": {
            "arn": "string",
            "pattern": "string"
        },
        "mode": "string",
        "repositoriesCount": number
    }
},
"parent": {
    "arn": "string",
    "pattern": "string"
},
"pattern": "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

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+`

### packageGroups

A list of sub package groups for the requested package group.

Type: Array of [PackageGroupSummary](#) objects

## Errors

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

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

- [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

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

A list of tag key and value pairs associated with the specified resource.

Type: Array of [Tag](#) 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](#).

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

# PublishPackageVersion

Creates a new package version containing one or more assets (or files).

The unfinished flag can be used to keep the package version in the Unfinished state until all of its assets have been uploaded (see [Package version status](#) in the *CodeArtifact user guide*). To set the package version's status to Published, omit the unfinished flag when uploading the final asset, or set the status using [UpdatePackageVersionStatus](#). Once a package version's status is set to Published, it cannot change back to Unfinished.

## Note

Only generic packages can be published using this API. For more information, see [Using generic packages](#) in the *AWS CodeArtifact User Guide*.

## Request Syntax

```
POST /v1/package/version/publish?asset=assetName&domain=domain&domain-owner=domainOwner&format=format&namespace=namespace&package=package&repository=repository&unfinished=unfinished
HTTP/1.1
x-amz-content-sha256: assetSHA256

assetContent
```

## URI Request Parameters

The request uses the following URI parameters.

### assetName

The name of the asset to publish. Asset names can include Unicode letters and numbers, and the following special characters: ~ ! @ ^ & ( ) - ` \_ + [ ] { } ; , . `

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

Pattern: `\P{C}+`

Required: Yes



## assetSHA256

The SHA256 hash of the `assetContent` to publish. This value must be calculated by the caller and provided with the request (see [Publishing a generic package](#) in the *AWS CodeArtifact User Guide*).

This value is used as an integrity check to verify that the `assetContent` has not changed after it was originally sent.

Length Constraints: Fixed length of 64.

Pattern: `[0-9a-f]+`

Required: Yes

## domain

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

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

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

Required: Yes

## domainOwner

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

A format that specifies the type of the package version with the requested asset file.

Valid Values: `generic`

Required: Yes

## namespace

The namespace of the package version to publish.

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

Pattern: `[^#\s]+`

### package

The name of the package version to publish.

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

Pattern: `[^#\s]+`

Required: Yes

### packageVersion

The package version to publish (for example, 3.5.2).

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

Pattern: `[^#\s]+`

Required: Yes

### repository

The name of the repository that the package version will be published to.

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

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

Required: Yes

### unfinished

Specifies whether the package version should remain in the unfinished state. If omitted, the package version status will be set to Published (see [Package version status](#) in the *CodeArtifact User Guide*).

Valid values: `unfinished`

## Request Body

The request accepts the following binary data.

## assetContent

The content of the asset to publish.

Required: Yes

## Response Syntax

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

{
  "asset": {
    "hashes": {
      "string" : "string"
    },
    "name": "string",
    "size": number
  },
  "format": "string",
  "namespace": "string",
  "package": "string",
  "status": "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.

### asset

An [AssetSummary](#) for the published asset.

Type: [AssetSummary](#) object

### format

The format of the package version.

Type: String

Valid Values: generic

### namespace

The namespace of the package version.

Type: String

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

Pattern: [^#\s]+

### package

The name of the package.

Type: String

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

Pattern: [^#\s]+

### status

A string that contains the status of the package version. For more information, see [Package version status](#) in the *CodeArtifact User Guide*.

Type: String

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

### version

The version of the package.

Type: String

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

Pattern: [^#\s]+

### versionRevision

The revision of 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](#).

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

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

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

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 7168.

Pattern: [\\P{C}\\s]+

Required: Yes

## policyRevision

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

The resource policy that was set after processing the request.

Type: [ResourcePolicy](#) object

## Errors

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

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

# PutPackageOriginConfiguration

Sets the package origin configuration for a package.

The package origin configuration determines how new versions of a package can be added to a repository. You can allow or block direct publishing of new package versions, or ingestion and retaining of new package versions from an external connection or upstream source. For more information about package origin controls and configuration, see [Editing package origin controls](#) in the *AWS CodeArtifact User Guide*.

PutPackageOriginConfiguration can be called on a package that doesn't yet exist in the repository. When called on a package that does not exist, a package is created in the repository with no versions and the requested restrictions are set on the package. This can be used to preemptively block ingesting or retaining any versions from external connections or upstream repositories, or to block publishing any versions of the package into the repository before connecting any package managers or publishers to the repository.

## Request Syntax

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

{
  "restrictions": {
    "publish": "string",
    "upstream": "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### [domain](#)

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

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

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

Required: Yes

### domainOwner

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

A format that specifies the type of the package to be updated.

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

Required: Yes

### namespace

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

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

### package

The name of the package to be updated.

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

Pattern: `[^#\s]+`

Required: Yes

## repository

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

## Request Body

The request accepts the following data in JSON format.

### restrictions

A [PackageOriginRestrictions](#) object that contains information about the `upstream` and `publish` package origin restrictions. The `upstream` restriction determines if new package versions can be ingested or retained from external connections or upstream repositories. The `publish` restriction determines if new package versions can be published directly to the repository.

You must include both the desired `upstream` and `publish` restrictions.

Type: [PackageOriginRestrictions](#) object

Required: Yes

## Response Syntax

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

{
  "originConfiguration": {
    "restrictions": {
      "publish": "string",
      "upstream": "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.

### originConfiguration

A [PackageOriginConfiguration](#) object that describes the origin configuration set for the package. It contains a [PackageOriginRestrictions](#) object that describes how new versions of the package can be introduced to the repository.

Type: [PackageOriginConfiguration](#) object

## Errors

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

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

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](#)

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

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

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 7168.

Pattern: `[\P{C}\s]+`

Required: Yes

### policyRevision

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

The resource policy that was set after processing the request.

Type: [ResourcePolicy](#) object

## Errors

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

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

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

The tags you want to modify or add to the resource.

Type: Array of [Tag](#) 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](#).

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

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

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.

Pattern: \P{C}+



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](#).

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

# UpdatePackageGroup

Updates a package group. This API cannot be used to update a package group's origin configuration or pattern. To update a package group's origin configuration, use [UpdatePackageGroupOriginConfiguration](#).

## Request Syntax

```
PUT /v1/package-group?domain=domain&domain-owner=domainOwner HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "contactInfo": "string",
  "description": "string",
  "packageGroup": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### [domain](#)

The name of the domain which contains the package group 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](#)

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 accepts the following data in JSON format.

### contactInfo

Contact information which you want to update the requested package group with.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### description

The description you want to update the requested package group with.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### packageGroup

The pattern of the package group to be updated.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: Yes

## Response Syntax

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

{
```

```
"packageGroup": {
  "arn": "string",
  "contactInfo": "string",
  "createdTime": number,
  "description": "string",
  "domainName": "string",
  "domainOwner": "string",
  "originConfiguration": {
    "restrictions": {
      "string" : {
        "effectiveMode": "string",
        "inheritedFrom": {
          "arn": "string",
          "pattern": "string"
        },
        "mode": "string",
        "repositoriesCount": number
      }
    }
  },
  "parent": {
    "arn": "string",
    "pattern": "string"
  },
  "pattern": "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.

### [packageGroup](#)

The package group and information about it after the request has been processed.

Type: [PackageGroupDescription](#) object

## Errors

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

## AccessDeniedException

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

HTTP Status Code: 403

## InternalServerError

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

# UpdatePackageGroupOriginConfiguration

Updates the package origin configuration for a package group.

The package origin configuration determines how new versions of a package can be added to a repository. You can allow or block direct publishing of new package versions, or ingestion and retaining of new package versions from an external connection or upstream source. For more information about package group origin controls and configuration, see [Package group origin controls](#) in the *CodeArtifact User Guide*.

## Request Syntax

```
PUT /v1/package-group-origin-configuration?domain=domain&domain-owner=domainOwner&package-group=packageGroup HTTP/1.1
Content-type: application/json
```

```
{
  "addAllowedRepositories": [
    {
      "originRestrictionType": "string",
      "repositoryName": "string"
    }
  ],
  "removeAllowedRepositories": [
    {
      "originRestrictionType": "string",
      "repositoryName": "string"
    }
  ],
  "restrictions": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### [domain](#)

The name of the domain which contains the package group for which to update the origin configuration.



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

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

Required: Yes

### domainOwner

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}`

### packageGroup

The pattern of the package group for which to update the origin configuration.

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### addAllowedRepositories

The repository name and restrictions to add to the allowed repository list of the specified package group.

Type: Array of [PackageGroupAllowedRepository](#) objects

Required: No

### removeAllowedRepositories

The repository name and restrictions to remove from the allowed repository list of the specified package group.

Type: Array of [PackageGroupAllowedRepository](#) objects

Required: No

## restrictions

The origin configuration settings that determine how package versions can enter repositories.

Type: String to string map

Valid Keys: EXTERNAL\_UPSTREAM | INTERNAL\_UPSTREAM | PUBLISH

Valid Values: ALLOW | ALLOW\_SPECIFIC\_REPOSITORIES | BLOCK | INHERIT

Required: No

## Response Syntax

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

{
  "allowedRepositoryUpdates": {
    "string" : {
      "string" : [ "string" ]
    }
  },
  "packageGroup": {
    "arn": "string",
    "contactInfo": "string",
    "createdTime": number,
    "description": "string",
    "domainName": "string",
    "domainOwner": "string",
    "originConfiguration": {
      "restrictions": {
        "string" : {
          "effectiveMode": "string",
          "inheritedFrom": {
            "arn": "string",
            "pattern": "string"
          },
        },
        "mode": "string",
        "repositoriesCount": number
      }
    }
  }
}
```

```
    }  
  },  
  "parent": {  
    "arn": "string",  
    "pattern": "string"  
  },  
  "pattern": "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.

### allowedRepositoryUpdates

Information about the updated allowed repositories after processing the request.

Type: String to string to array of strings map map

Valid Keys: EXTERNAL\_UPSTREAM | INTERNAL\_UPSTREAM | PUBLISH

Valid Keys: ADDED | REMOVED

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

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

### packageGroup

The package group and information about it after processing the request.

Type: [PackageGroupDescription](#) object

## Errors

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

### **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

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

- [AWS SDK for JavaScript V3](#)
- [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. Using `UpdatePackageVersionsStatus`, you can update the status of package versions to `Archived`, `Published`, or `Unlisted`. To set the status of a package version to `Disposed`, use [DisposePackageVersions](#).

## 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](#)

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](#)

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

A format that specifies the type of the package with the statuses to update.

Valid Values: `npm | pypi | maven | nuget | generic | ruby | swift | cargo`

Required: Yes

### namespace

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

- The namespace of a Maven package version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

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

Pattern: `[^#\s]+`

### package

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

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

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: Archived | Published | Unlisted | Unfinished

Required: No

### targetStatus

The status you want to change the package version status to.

Type: String

Valid Values: Archived | Published | Unlisted

Required: Yes

### versionRevisions

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

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

A list of `SuccessfulPackageVersionInfo` objects, one for each package version with a status that successfully updated.

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

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

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

### successfulVersions

A list of `PackageVersionError` objects, one for each package version with a status that failed to update.

Type: String to [SuccessfulPackageVersionInfo](#) 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](#).

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

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

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

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

An updated repository description.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

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 [UpstreamRepository](#) objects

Required: No

## Response Syntax

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

{
```

```
"repository": {
  "administratorAccount": "string",
  "arn": "string",
  "createdTime": number,
  "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

The updated repository.

Type: [RepositoryDescription](#) object

## Errors

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

### **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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [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](#)
- [AssociatedPackage](#)
- [DomainDescription](#)
- [DomainEntryPoint](#)
- [DomainSummary](#)
- [LicenseInfo](#)
- [PackageDependency](#)
- [PackageDescription](#)
- [PackageGroupAllowedRepository](#)
- [PackageGroupDescription](#)
- [PackageGroupOriginConfiguration](#)
- [PackageGroupOriginRestriction](#)
- [PackageGroupReference](#)
- [PackageGroupSummary](#)
- [PackageOriginConfiguration](#)
- [PackageOriginRestrictions](#)
- [PackageSummary](#)
- [PackageVersionDescription](#)
- [PackageVersionError](#)
- [PackageVersionOrigin](#)

- [PackageVersionSummary](#)
- [RepositoryDescription](#)
- [RepositoryExternalConnectionInfo](#)
- [RepositorySummary](#)
- [ResourcePolicy](#)
- [SuccessfulPackageVersionInfo](#)
- [Tag](#)
- [UpstreamRepository](#)
- [UpstreamRepositoryInfo](#)

# AssetSummary

Contains details about a package version asset.

## Contents

### name

The name of the asset.

Type: String

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

Pattern: `\P{C}+`

Required: Yes

### 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

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

# AssociatedPackage

A package associated with a package group.

## Contents

### associationType

Describes the strength of the association between the package and package group. A strong match can be thought of as an exact match, and a weak match can be thought of as a variation match, for example, the package name matches a variation of the package group pattern. For more information about package group pattern matching, including strong and weak matches, see [Package group definition syntax and matching behavior](#) in the *CodeArtifact User Guide*.

Type: String

Valid Values: STRONG | WEAK

Required: No

### format

A format that specifies the type of the associated package.

Type: String

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

Required: No

### namespace

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

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats 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 associated 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 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.

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

# DomainEntryPoint

Information about how a package originally entered the CodeArtifact domain. For packages published directly to CodeArtifact, the entry point is the repository it was published to. For packages ingested from an external repository, the entry point is the external connection that it was ingested from. An external connection is a CodeArtifact repository that is connected to an external repository such as the npm registry or NuGet gallery.

## Note

If a package version exists in a repository and is updated, for example if a package of the same version is added with additional assets, the package version's `DomainEntryPoint` will not change from the original package version's value.

## Contents

### `externalConnectionName`

The name of the external connection that a package was ingested from.

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

### `repositoryName`

The name of the repository that a package was originally published to.

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 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.

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 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 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.

- npm: regular, dev, peer, optional
- maven: optional, parent, compile, runtime, test, system, provided.

#### Note

Note that parent is not a regular Maven dependency type; instead this is extracted from the <parent> element if one is defined in the package version's POM file.

- nuget: The dependencyType field is never set for NuGet packages.
- pypi: Requires-Dist

Type: String

Required: No

### namespace

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

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats 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 Java V2](#)
- [AWS SDK for Ruby V3](#)



# PackageDescription

Details about a package.

## Contents

### format

A format that specifies the type of the package.

Type: String

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

Required: No

### name

The name of the package.

Type: String

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

Pattern: `[^#\s]+`

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 version is its `groupId`.
- The namespace of an npm or Swift package version is its `scope`.
- The namespace of a generic package is its `namespace`.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: [^#/\s]+

Required: No

### **originConfiguration**

The package origin configuration for the package.

Type: [PackageOriginConfiguration](#) object

Required: No

## **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageGroupAllowedRepository

Details about an allowed repository for a package group, including its name and origin configuration.

## Contents

### originRestrictionType

The origin configuration restriction type of the allowed repository.

Type: String

Valid Values: EXTERNAL\_UPSTREAM | INTERNAL\_UPSTREAM | PUBLISH

Required: No

### repositoryName

The name of the allowed 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageGroupDescription

The description of the package group.

## Contents

### **arn**

The ARN of the package group.

Type: String

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

Pattern: `\S+`

Required: No

### **contactInfo**

The contact information of the package group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### **createdTime**

A timestamp that represents the date and time the package group was created.

Type: Timestamp

Required: No

### **description**

The description of the package group.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### **domainName**

The name of the domain that contains the package group.

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]{12}`

Required: No

### **originConfiguration**

The package group origin configuration that determines how package versions can enter repositories.

Type: [PackageGroupOriginConfiguration](#) object

Required: No

### **parent**

The direct parent package group of the package group.

Type: [PackageGroupReference](#) object

Required: No

## pattern

The pattern of the package group. The pattern determines which packages are associated with the package group.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageGroupOriginConfiguration

The package group origin configuration that determines how package versions can enter repositories.

## Contents

### restrictions

The origin configuration settings that determine how package versions can enter repositories.

Type: String to [PackageGroupOriginRestriction](#) object map

Valid Keys: EXTERNAL\_UPSTREAM | INTERNAL\_UPSTREAM | PUBLISH

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageGroupOriginRestriction

Contains information about the configured restrictions of the origin controls of a package group.

## Contents

### **effectiveMode**

The effective package group origin restriction setting. If the value of mode is `ALLOW`, `ALLOW_SPECIFIC_REPOSITORIES`, or `BLOCK`, then the value of `effectiveMode` is the same. Otherwise, when the value of mode is `INHERIT`, then the value of `effectiveMode` is the value of mode of the first parent group which does not have a value of `INHERIT`.

Type: String

Valid Values: `ALLOW` | `ALLOW_SPECIFIC_REPOSITORIES` | `BLOCK` | `INHERIT`

Required: No

### **inheritedFrom**

The parent package group that the package group origin restrictions are inherited from.

Type: [PackageGroupReference](#) object

Required: No

### **mode**

The package group origin restriction setting. If the value of mode is `ALLOW`, `ALLOW_SPECIFIC_REPOSITORIES`, or `BLOCK`, then the value of `effectiveMode` is the same. Otherwise, when the value is `INHERIT`, then the value of `effectiveMode` is the value of mode of the first parent group which does not have a value of `INHERIT`.

Type: String

Valid Values: `ALLOW` | `ALLOW_SPECIFIC_REPOSITORIES` | `BLOCK` | `INHERIT`

Required: No

### **repositoriesCount**

The number of repositories in the allowed repository list.



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

# PackageGroupReference

Information about the identifiers of a package group.

## Contents

### arn

The ARN of the package group.

Type: String

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

Pattern: `\S+`

Required: No

### pattern

The pattern of the package group. The pattern determines which packages are associated with the package group, and is also the identifier of the package group.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[\p{C}\p{IsWhitespace}]+`

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageGroupSummary

Details about a package group.

## Contents

### arn

The ARN of the package group.

Type: String

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

Pattern: `\S+`

Required: No

### contactInfo

The contact information of the package group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### createdTime

A timestamp that represents the date and time the repository was created.

Type: Timestamp

Required: No

### description

The description of the package group.

Type: String

Length Constraints: Maximum length of 1000.

Pattern: `\P{C}*`

Required: No

### **domainName**

The domain that contains the package group.

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]{12}`

Required: No

### **originConfiguration**

Details about the package origin configuration of a package group.

Type: [PackageGroupOriginConfiguration](#) object

Required: No

### **parent**

The direct parent package group of the package group.

Type: [PackageGroupReference](#) object

Required: No

## pattern

The pattern of the package group. The pattern determines which packages are associated with the package group.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 520.

Pattern: `[^\p{C}\p{IsWhitespace}]+`

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageOriginConfiguration

Details about the package origin configuration of a package.

## Contents

### restrictions

A `PackageOriginRestrictions` object that contains information about the upstream and publish package origin configuration for the package.

Type: [PackageOriginRestrictions](#) object

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageOriginRestrictions

Details about the origin restrictions set on the package. The package origin restrictions determine how new versions of a package can be added to a specific repository.

## Contents

### publish

The package origin configuration that determines if new versions of the package can be published directly to the repository.

Type: String

Valid Values: ALLOW | BLOCK

Required: Yes

### upstream

The package origin configuration that determines if new versions of the package can be added to the repository from an external connection or upstream source.

Type: String

Valid Values: ALLOW | BLOCK

Required: Yes

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# PackageSummary

Details about a package, including its format, namespace, and name.

## Contents

### format

The format of the package.

Type: String

Valid Values: npm | pypi | maven | nuget | generic | ruby | swift | cargo

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 version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: [^#\s]+

Required: No

### originConfiguration

A [PackageOriginConfiguration](#) object that contains a [PackageOriginRestrictions](#) object that contains information about the upstream and publish package origin restrictions.

Type: [PackageOriginConfiguration](#) object

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 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.

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget` | `generic` | `ruby` | `swift` | `cargo`

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](#) objects

Required: No

## namespace

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

- The namespace of a Maven package version is its groupId.
- The namespace of an npm or Swift package version is its scope.
- The namespace of a generic package is its namespace.
- Python, NuGet, Ruby, and Cargo package versions do not contain a corresponding component, package versions of those formats do not have a namespace.

Type: String

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

Pattern: `[^#\s]+`

Required: No

## origin

A [PackageVersionOrigin](#) object that contains information about how the package version was added to the repository.

Type: [PackageVersionOrigin](#) object

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.

Type: String

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

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 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 Java V2](#)

- [AWS SDK for Ruby V3](#)

# PackageVersionOrigin

Information about how a package version was added to a repository.

## Contents

### domainEntryPoint

A [DomainEntryPoint](#) object that contains information about from which repository or external connection the package version was added to the domain.

Type: [DomainEntryPoint](#) object

Required: No

### originType

Describes how the package version was originally added to the domain. An INTERNAL origin type means the package version was published directly to a repository in the domain. An EXTERNAL origin type means the package version was ingested from an external connection.

Type: String

Valid Values: INTERNAL | EXTERNAL | UNKNOWN

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)



# PackageVersionSummary

Details about a package version, including its status, version, and revision. The [ListPackageVersions](#) operation returns a list of PackageVersionSummary objects.

## Contents

### status

A string that contains the status of the package version. It can be one of the following:

Type: String

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

Required: Yes

### version

Information about a package version.

Type: String

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

Pattern: [^#\s]+

Required: Yes

### origin

A [PackageVersionOrigin](#) object that contains information about how the package version was added to the repository.

Type: [PackageVersionOrigin](#) object

Required: No

### revision

The revision associated with a package version.

Type: String

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

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 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

### **createdTime**

A timestamp that represents the date and time the repository was created.

Type: Timestamp

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](#) 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](#) objects

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# RepositoryExternalConnectionInfo

Contains information about the external connection of a repository.

## Contents

### externalConnectionName

The name of the external connection associated with a 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

### 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.
- `nuget`: A NuGet package.
- `generic`: A generic package.
- `ruby`: A Ruby package.
- `swift`: A Swift package.
- `cargo`: A Cargo package.

Type: String

Valid Values: `npm` | `pypi` | `maven` | `nuget` | `generic` | `ruby` | `swift` | `cargo`

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 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

### createdTime

A timestamp that represents the date and time the repository was created.

Type: Timestamp

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]{12}`

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 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 7168.

Pattern: `[\P{C}\s]+`

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 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.

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 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.

Pattern: `\P{C}+`

Required: Yes

### value

The tag value.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `\P{C}*`

Required: Yes

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# 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 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 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 [Signing AWS API requests](#) in the *IAM User Guide*.

## 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 [Create a signed AWS API request](#) in the *IAM User Guide*.

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'T'HHMMSS'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 [Elements of an AWS API request signature](#) in the *IAM User Guide*.

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 STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, 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 [Create a signed AWS API request](#) in the *IAM User Guide*.

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: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

## **MalformedHttpRequestException**

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

### **RequestAbortedException**

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

### **RequestEntityTooLargeException**

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

### **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

### **RequestTimeoutException**

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

### **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

### **UnrecognizedClientException**

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

**UnknownOperationException**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

**ValidationError**

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400