

**CodeArts Artifact**

# **API Reference**

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# 1 Before You Start

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## 1.1 Introduction

CodeArts Artifact helps software development enterprises manage the software release process in a standardized, visualized, and traceable way.

You can refer to this document to perform operations on CodeArts Artifact, for example, obtaining file information from the release repo. For details about all supported operations, see [2 API Overview](#).

Before calling a CodeArts API, ensure that you have fully understood the concepts related to CodeArts. For details, see [Service Overview](#).

## 1.2 API Calling

CodeArts provides Representational State Transfer (REST) APIs, allowing you to use HTTPS requests to call them. For details, see [3 Calling APIs](#).

## 1.3 Endpoints

An endpoint is the request address for calling an API. Endpoints vary depending on services and regions. The following table lists CodeArts Artifact endpoints. Select an endpoint based on the service requirements.

**Table 1-1** CodeArts Artifact endpoints

Region Name	Region	Endpoint
AP-Singapore	ap-southeast-3	artifact.ap-southeast-3.myhuaweicloud.com

## 1.4 Notes and Constraints

For details, see API description.

## 1.5 Basic Concepts

- **Account**

An account is created upon successful registration with Huawei Cloud. The account has full access permissions for all of its cloud services and resources. It can be used to reset user passwords and assign user permissions. The account is a payment entity and should not be used directly to perform routine management. For security purposes, create IAM users and assign them permissions for routine management.
- **IAM user**

An Identity and Access Management (IAM) user is created using an account and can use cloud services. Each IAM user has its own identity credentials (password and access keys).

An IAM user can view the account ID and user ID on the [My Credentials](#) page of the console. The domain name, username, and password will be required for API authentication.
- **Region**

Regions are divided based on geographical location and network latency. Public services, such as Elastic Cloud Server (ECS), Elastic Volume Service (EVS), Object Storage Service (OBS), Virtual Private Cloud (VPC), Elastic IP (EIP), and Image Management Service (IMS), are shared within the same region.

Regions are classified into universal regions and dedicated regions.

  - A universal region provides universal cloud services for common tenants.
  - A dedicated region provides specific services for specific tenants.

For details, see [Region and AZ](#).
- **Availability Zone (AZ)**

An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, computing, network, storage, and other resources are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to support cross-AZ high-availability systems.
- **Project**

Projects group and isolate resources (including compute, storage, and network resources) across physical regions. A default project is provided for each Huawei Cloud region, and subprojects can be created under each default project. Users can be granted permissions to access all resources in a specific project.

For more refined access control, create subprojects under a project and purchase resources in the subprojects. Users can then be granted permissions to access only specific resources in the subprojects.

- **Enterprise Project**  
An enterprise project groups and manages enterprise resources in a logically isolated manner. It contains resources in multiple regions, and allows resources to be added or removed.  
For details about how to obtain enterprise project IDs and features, see [Applicable Scenarios](#).



# 2 API Overview

**Table 2-1** CodeArts Artifact APIs

Category	API
Recycle bin	Restoring and Deleting Components in the Recycle Bin in Batches
Repository management	Creating a Maven Repository, Editing a Repository, Viewing Repository Information, Creating a Docker Repository, Moving a Repository to the Recycle Bin, Querying the Maven Repository List and Account Password of a Tenant, Creating a Non-Maven Repository, and Editing Non-Maven Repository Information
Repository association	Querying Repositories Associated with Projects and Associating a Project with a Repository
Repository capacity	Querying Repository Usage
Search	Searching for Files Using Checksum and Coordinated Search
User Management	Resetting a User Password
Repository details	Skipping the Number of Artifacts in the Repository When Querying Repository Details, Collecting the Number of Artifacts in the Repository When Querying Details about a Repository, and Querying Storage Capacity Trend.
Audit log	Querying Audit Logs about a Repository or File

Category	API
Follow	Following/Unfollowing Components and Querying the Following List
File management	Querying the Repository Folder Directory, Querying Repository File Details, and Non-Maven File Deletion

# 3 Calling APIs

## 3.1 Making an API Request

This section describes the structure of a REST API request, and calls the IAM API for **obtaining a user token** as an example. The obtained token can then be used to authenticate the calling of other APIs.

### Request URI

Although a request URI is included in the request header, most programming languages or frameworks require the request URI to be passed separately.

A request URI consists of four parts: *{URI-scheme}:// {Endpoint} | {resource-path}? {query-string}*

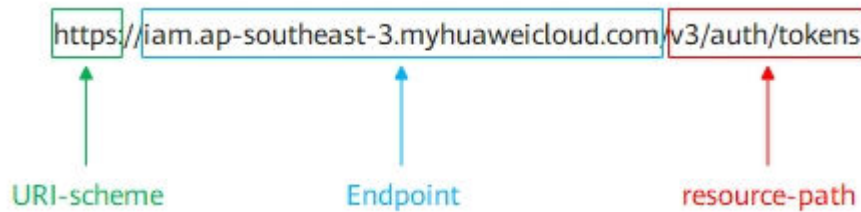
Parameter	Description
URI-scheme	Protocol used to transmit requests. All APIs use <b>HTTPS</b> .
Endpoint	Domain name or IP address of the server bearing the REST service. The endpoint varies between services in different regions. It can be obtained from <b>1.3 Endpoints</b> . For example, the endpoint of IAM in the AP-Singapore region is <b>iam.ap-southeast-3.myhuaweicloud.com</b> .
resource-path	The resource path, that is, the API access path, is obtained from the URI of a specific API. For example, the <b>resource-path</b> of the API used to obtain a user token is <b>/v3/auth/tokens</b> .
query-string	(Optional) Query a parameter. The query parameter is prefixed with a question mark (?), in the format of <b>Parameter name=Parameter value</b> . For example, <b>limit=10</b> indicates that a maximum of 10 data records will be queried.

For example, if you want to obtain the token of IAM in the AP-Singapore region, use the endpoint (iam.ap-southeast-3.myhuaweicloud.com) of the AP-Singapore

region, find resource-path (/v3/auth/tokens) in the URI of **Obtaining a User Token** and combine it as follows:

```
https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
```

**Figure 3-1** Example URI



**NOTE**

To simplify the URI display in this document, each API is provided only with a **resource path** and a request method. The **URI-scheme** of all APIs is **HTTPS**, and the **Endpoints** of all APIs in the same region are identical.

## Request Method

HTTP defines the following request methods that can be used to send a request to the server.

Request Method	Description
GET	Requests the server to return specified resources.
PUT	Requests the server to update specified resources.
POST	Requests the server to add resources or perform special operations.
DELETE	Requests the server to delete specified resources, for example, an object.
HEAD	Same as GET except that the server must return only the response header.
PATCH	Requests the server to update partial content of a specified resource. If the resource does not exist, a new resource will be created.

For example, in the case of the API used to obtain a user token, the request method is POST. The request is as follows:

```
POST https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
```

## Request Header

You can add additional fields, for example, the fields required by a specified URI or HTTP method, to a request header. For example, to request for the authentication information, add **Content-Type**, which specifies the request body type.

Common request header fields:

Name	Description	Required	Remarks
Content-Type	Request body type or format	Yes	The default value is <b>application/json</b> . Other values of this field will be provided for specific APIs if any.
X-Auth-Token	User token	Optional	The user token is a response to the API used to <b>obtain a user token</b> . This API is the only one that does not require authentication.
X-Project-ID	Subproject ID	No	Used in multi-project scenarios.
X-Domain-ID	Account ID	-	-

### NOTE

In addition to supporting token-based authentication, public cloud APIs also support authentication using AK/SK. During AK/SK-based authentication, an SDK is used to sign the request, and the **Authorization** (signature information) and **X-Sdk-Date** (time when the request is sent) header fields are automatically added to the request.

For more information, see [AK/SK Authentication](#).

The API used to obtain a user token does not require authentication. Therefore, only the **Content-Type** field needs to be added to requests for calling the API. An example of such requests is as follows:

```
POST https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
```

```
Content-Type: application/json
```

## Request Body

A request body is generally sent in structured format. It corresponds to **Content-Type** in the request header and transfers content except the request header. If the request body supports Chinese characters, the Chinese characters must be encoded in UTF-8 mode.

The request body varies according to APIs. Certain APIs do not require the request body, such as GET and DELETE.

In the case of the API used to [obtain a user token](#), the request parameters and parameter description can be obtained from the API request. The following provides an example request with a body included. Replace **username**, **domainname**, **\*\*\*\*\***, and **xxxxxxxxxx** with the actual values. **username** indicates the username, **domainname** indicates the account to which the user belongs, **\*\*\*\*\*** indicates the login password, and **xxxxxxxxxx** indicates the project name, for example, ap-southeast-3. You can obtain the value from [1.3 Endpoints](#).

#### NOTE

The **scope** parameter specifies where a token takes effect. You can set **scope** to an account or a project under an account. In the following example, the token takes effect only for the resources in a specified project. For more information about this API, see [Obtaining a User Token](#).

```
POST https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
```

```
Content-Type: application/json
```

```
{
  "auth": {
    "identity": {
      "methods": [
        "password"
      ],
      "password": {
        "user": {
          "name": "username",
          "password": "*****",
          "domain": {
            "name": "domainname"
          }
        }
      }
    },
    "scope": {
      "project": {
        "name": "xxxxxxxxxx"
      }
    }
  }
}
```

In the response to the API used to [obtain a user token](#), **x-subject-token** is the desired user token. This token can then be used to authenticate the calling of other APIs.

## 3.2 Authentication

Requests for calling an API can be authenticated using either of the following methods:

- Token-based authentication: Requests are authenticated using a token.
- AK/SK-based authentication: Requests are authenticated by encrypting the request body using an AK/SK pair.

## Token-based Authentication

### NOTE

The validity period of a token is 24 hours. When using a token for authentication, cache it to prevent frequently calling the Identity and Access Management (IAM) API for obtaining a user token.

A token specifies temporary permissions in a computer system. During API authentication using a token, the token is added to requests to get permissions for calling the API.

In [Making an API Request](#), the process of calling the API used to [obtain a user token](#) is described.

When calling the API to [obtain a user token](#), you must set **auth.scope** in the request body to **project**.

```
{
  "auth": {
    "identity": {
      "methods": [
        "password"
      ],
      "password": {
        "user": {
          "name": "username",
          "password": "*****",
          "domain": {
            "name": "domainname"
          }
        }
      }
    },
    "scope": {
      "project": {
        "name": "xxxxxxx"
      }
    }
  }
}
```

After a token is obtained, the **X-Auth-Token** header field must be added to requests to specify the token when other APIs are called. For example, if the token is **ABCDEFJ....**, **X-Auth-Token: ABCDEFJ....** should be added to a request as follows:

```
GET https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/projects
```

```
Content-Type: application/json
X-Auth-Token: ABCDEFJ....
```

## AK/SK-based Authentication

### NOTE

AK/SK authentication supports API requests with a body no larger than 12 MB. For API requests with a larger body, use token authentication.

AK/SK-based authentication uses AK/SK to sign requests, and the signature is then added to request headers for authentication.

- **AK**: access key ID. It is a unique ID associated with an SK. AK is used together with SK to sign requests.

- SK: secret access key. It is used together with an access key ID to identify a sender who initiates a request and to cryptographically sign requests, preventing the request from being modified.

In AK/SK-based authentication, you can use an AK/SK to sign requests based on the signature algorithm or use the signing SDK to sign requests. For details about how to sign requests and use the signing SDK, see [API Request Signing Guide](#).

---

#### NOTICE

The signing SDK is only used for signing requests and is different from the SDKs provided by services.

---

## 3.3 Response

### Status Codes

After sending a request, you will receive a response, including a status code, response header, and response body.

A status code is a group of digits, ranging from 1xx to 5xx. It indicates the status of a request. For more information, see [Status Codes](#).

If status code **201** is returned for calling the API used to [obtain a user token](#), the request is successful.

### Response Header

Similar to a request, a response also has a header, for example, **Content-Type**.

[Figure 3-2](#) shows the response header fields for the API used to [obtain a user token](#). The **x-subject-token** header field is the desired user token. This token can then be used to authenticate the calling of other APIs.



**Figure 3-2** Header fields of the response to the request for obtaining a user token

```
connection → keep-alive
content-type → application/json
date → Tue, 12 Feb 2019 06:52:13 GMT
server → Web Server
strict-transport-security → max-age=31536000; includeSubdomains;
transfer-encoding → chunked
via → proxy A
x-content-type-options → nosniff
x-download-options → noopen
x-frame-options → SAMEORIGIN
x-iam-trace-id → 218d45ab-d674-4995-af3a-2d0255ba41b5
x-subject-token → MIIYXQYJKoZIhvcNAQcCoIIYJTCCGEoCAQExDTALBglghkgBZQMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOensiZXhwaXJlc19hdCI6IiwMTktMDItMTNUMD
fj3KJ56YgKnpVNRbW2eZ5eb785Z0kajACgkIQ01wi4JIGzrpd18LGXK5bdfq4lqHCYb8P4NaY0NYejcAgz/VeFYtLWT1GSO0zxKZmlQHq82HBqHdglZO9fuEbL5dMhdavj+33wEI
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1FruooL6jggIFKNPQuFSOU8+uSsttVwRtnfsc+qTp22Rkd5MCqFGQ8LcuUxC3a+9CMBnOintWW7oeRUUVhVpxk8pxiX1wTEboX-
RzT6MUbvpvGw-oPNFYxJECKnoH3HRozv0vN--n5d6Nbxg==
x-xss-protection → 1; mode=block;
```

## Response Body

The body of a response is often returned in structured format as specified in the **Content-Type** header field. The response body transfers content except the response header.

For the API used to **obtain a user token**, the response body is as follows: The following example is part of the response body for the API used to obtain a user token:

```
{
  "token": {
    "expires_at": "2019-02-13T06:52:13.855000Z",
    "methods": [
      "password"
    ],
    "catalog": [
      {
        "endpoints": [
          {
            "region_id": "ap-southeast-3",
            .....

```

If an error occurs during API calling, the system returns an error code and message to you. The following shows the format of an error response body:

```
{
  "error_msg": "The format of message is error",
  "error_code": "AS.0001"
}
```

In the response message body, **error\_code** is an error code, and **error\_msg** provides information about the error.

# 4 API

## 4.1 Recycle Bin

### 4.1.1 Restoring Components in the Recycle Bin in Batches

#### Function

Restore components in the recycle bin in batches.

#### URI

PUT /cloudartifact/v5/trashes

#### Request Parameters

Table 4-1 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of <a href="#">IDETrashArtifactModel</a> objects	Parameters.

Table 4-2 IDETrashArtifactModel

Parameter	Mandatory	Type	Description
id	No	String	Repository ID.
format	No	String	Type.
status	No	String	Current repository status.

Parameter	Mandatory	Type	Description
uri	No	String	File path to be restored.

## Response Parameters

Status code: 200

Table 4-3 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Restore components in the recycle bin in batches.

```
/v5/trashes  
  
[ {  
  "id": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_go_4",  
  "format": "go",  
  "uri": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_go_4/",  
  "status": "active"  
}, {  
  "id": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_2_23",  
  "format": "maven2",  
  "uri": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_2_23/",  
  "status": "active"  
}]
```

## Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701173929284-59",  
  "result": "success"  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.1.2 Deleting Components in the Recycle Bin in Batches

### Function

Delete components in the recycle bin in batches.

### URI

DELETE /cloudartifact/v5/trashes

### Request Parameters

Table 4-4 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of <a href="#">TrashArtifactModelForDelete</a> objects	Delete lists in batches.

Table 4-5 TrashArtifactModelForDelete

Parameter	Mandatory	Type	Description
id	Yes	String	Repository ID.
fomat	Yes	String	Repository type.
uri	Yes	String	URI
status	Yes	String	Status.
include_pattern	No	String	Path whitelist.

### Response Parameters

Status code: 200

**Table 4-6** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Delete components in the recycle bin in batches.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/trashes
```

```
[ {  
  "id": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_debian_43",  
  "format": "debian",  
  "uri": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_debian_43/",  
  "status": "active"  
}, {  
  "id": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_go_4",  
  "format": "go",  
  "uri": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_go_4/",  
  "status": "active"  
}]
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701173929284-59",  
  "result": "success"  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.2 Repository Management

## 4.2.1 Creating a Maven Repository

### Function

Create a Maven repository.

### URI

POST /cloudartifact/v5/maven/repositories

### Request Parameters

Table 4-7 Request body parameters

Parameter	Mandatory	Type	Description
repository_name	No	String	Repository name.
format	No	String	Repository type.
description	No	String	Repository description.
release	No	String	Release repository name.
snapshot	No	String	Snapshot repository name.
includes_pattern	No	String	Path.
share_right	No	String	Shared permission.
project_id	No	String	Project ID.
type	No	String	Repository type, local repository, and virtual repository.

### Response Parameters

Status code: 200

Table 4-8 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Create a Maven repository.

`https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/maven/repositories`

```
{
  "repository_name": "testmaven",
  "format": "maven2",
  "description": "",
  "release": "testmaven",
  "snapshot": "testmaven",
  "includes_pattern": "**/*",
  "share_right": "PROJECT",
  "project_id": "e2ee90487d6349dd944a5767225f6f55",
  "type": "hosted"
}
```

## Example Responses

**Status code: 200**

OK

```
{
  "status": "success",
  "trace_id": "143002-1701175135227-77",
  "result": {
    "release": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_201",
    "snapshot": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_maven_2_201"
  }
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.2 Editing a Repository

### Function

Edit a repository.

### URI

`PUT /cloudartifact/v5/repositories/tab/{tab_id}`

**Table 4-9** Path Parameters

Parameter	Mandatory	Type	Description
tab_id	Yes	String	tab_id

## Request Parameters

**Table 4-10** Request body parameters

Parameter	Mandatory	Type	Description
repo_name	No	String	Repository name.
includes_pattern	No	String	Path.
project_id	No	String	Project ID.
description	No	String	Description.
snapshot	No	String	Snapshot repository name.
release	No	String	Release repository name.

## Response Parameters

Status code: 200

**Table 4-11** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Edit a Maven repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/repositories/tab/{tab_id}

{
  "repo_name": "testmaven",
  "description": "12",
  "includes_pattern": "**/*",
  "release": "testmaven",
  "snapshot": "testmaven"
}
```



## Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701175397265-80",
  "result": {
    "release": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_201",
    "snapshot": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_2_201"
  }
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.3 Viewing Repository Information

### Function

View repository information.

### URI

GET /cloudartifact/v5/repositories/{repo\_id}

Table 4-12 Path Parameters

Parameter	Mandatory	Type	Description
repo_id	Yes	String	Repository ID.

### Request Parameters

None

### Response Parameters

Status code: 200

**Table 4-13** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

View repository information.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/repositories/cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_201
```

## Example Responses

**Status code: 200**

OK

```
{
  "status": "success",
  "trace_id": "143002-1701175561381-82",
  "result": {
    "status": null,
    "domainId": null,
    "region": null,
    "createdTime": null,
    "modifiedTime": null,
    "createdUserId": null,
    "createdUserName": null,
    "modifiedUserId": null,
    "modifiedUserName": null,
    "name": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_201",
    "disable": false,
    "format": "maven2",
    "type": "hosted",
    "policy": null,
    "tabId": "5a775fdb14f4431b6c0015618140bc3_tab_maven2_201",
    "repositoryName": "testmaven",
    "displayName": null,
    "description": "12",
    "snapshot": "testmaven",
    "release": "testmaven",
    "npm": null,
    "snapshotStatus": "active",
    "releaseStatus": "active",
    "projectId": "e2ee90487d6349dd944a5767225f6f55",
    "includesPattern": "**/*",
    "repositoryIds": null,
    "uri": null,
    "deploymentPolicy": "allowRedeploy",
    "repositories": null,
    "parentRepoName": null,
    "userName": null,
    "password": null,
    "remoteUrl": null,
    "defaultDeployRepository": null,
    "remoteType": null,
    "proxy": null,
  }
}
```

```
"allowAnonymous" : false,
"autoCleanSnapshot" : null,
"snapshotAliveDays" : null,
"maxUniqueSnapshots" : "10",
"shareRight" : "PROJECT",
"nexuRepo" : false,
"url" : "https://devrepo.devcloud.cn-north-7.ulanqab.huawei.com/artgalaxy/cn-
north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_201/",
"packageType" : "maven"
}
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.4 Creating a Docker Repository

### Function

Create a Docker repository.

### URI

POST /cloudartifact/v5/repositories

### Request Parameters

Table 4-14 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Repository format.
display_name	Yes	String	Repository display name.
description	No	String	Repository description.
type	Yes	String	Repository type.

### Response Parameters

Status code: 200

**Table 4-15** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Example request for creating a Docker repository.

```
/v5/repositories
{
  "format": "docker",
  "display_name": "string",
  "description": "string",
  "type": "Hosted"
}
```

## Example Responses

**Status code: 200**

OK

```
{
  "status": "success",
  "trace_id": "143002-1701175561381-82",
  "result": "success"
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.5 Moving a Repository to the Recycle Bin

### Function

Move a repository to the recycle bin.

## URI

DELETE /cloudartifact/v5/repositories

## Request Parameters

Table 4-16 Request body parameters

Parameter	Mandatory	Type	Description
repository_ids	No	String	Repository ID set.
format	No	String	Type.

## Response Parameters

Status code: 200

Table 4-17 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Delete a repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/repositories
```

```
{  
  "format" : "maven2",  
  "repository_ids" : [ "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_2_201" ]  
}
```

## Example Responses

Status code: 200

OK

```
{  
  "status" : "success",  
  "trace_id" : "143002-1701175914578-88",  
  "result" : null  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.6 Querying the Maven Repository List and Account Password of a Tenant

### Function

Query the Maven repository list and account password of a tenant. Cross-tenant Maven repository list and account password are supported.

### URI

GET /cloudartifact/v5/maven/info

**Table 4-18** Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Project ID.
policy	No	String	snapshot or releases
access	No	String	r or rw
default	No	String	Whether to return the default repository. The options are <b>true</b> and <b>false</b> .
ids	No	String	Repository IDs. Use commas (,) to separate multiple repository IDs.

### Request Parameters

None

### Response Parameters

Status code: 200

**Table 4-19** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Query the Maven repository list and account password of a tenant.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/maven/info?  
project_id=e2ee90487d6349dd944a5767225f6f55&policy=release&access=r&default=false
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701176094147-90",  
  "result": [ {  
    "status": "active",  
    "domainId": "5a775fdb14f4431b6c0015618140bc3",  
    "region": "cn-north-7",  
    "createdTime": "2023-11-24 17:13:52",  
    "modifiedTime": "2023-11-24 17:13:52",  
    "createdUserId": "e9253deb37654775bb3c411aca89153a",  
    "createdUserName": "devcloud_devcloud_y00226182_01",  
    "modifiedUserId": null,  
    "modifiedUserName": null,  
    "name": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_5_120",  
    "disable": false,  
    "format": "maven2",  
    "type": "virtual",  
    "policy": "release",  
    "tabId": "5a775fdb14f4431b6c0015618140bc3_tab_maven2_120",  
    "repositoryName": "adasasfsafdasdfasd",  
    "displayName": "adasasfsafdasdfasd",  
    "description": "",  
    "snapshot": null,  
    "release": null,  
    "npm": null,  
    "snapshotStatus": null,  
    "releaseStatus": null,  
    "projectId": "e2ee90487d6349dd944a5767225f6f55",  
    "includesPattern": "**/*",  
    "repositoryIds": null,  
    "uri": null,  
    "deploymentPolicy": null,  
    "repositories": null,  
    "parentRepoName": null,  
    "userName": null,  
    "password": "6qY_h]3H9=",  
    "remoteUrl": null,  
    "defaultDeployRepository": null,  
    "remoteType": null,  
    "proxy": null,  
  } ]  
}
```

```
"allowAnonymous" : null,
"autoCleanSnapshot" : null,
"snapshotAliveDays" : null,
"maxUniqueSnapshots" : null,
"shareRight" : "PROJECT",
"nexuRepo" : false,
"username" : "cn-north-7_5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
"url" : "https://devrepo.devcloud.cn-north-7.ulanqab.huawei.com/artgalaxy/cn-
north-7_5a775fdb14f4431b6c0015618140bc3_maven_5_120/",
"packageType" : "maven"
}]
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.7 Creating a Non-Maven Repository

### Function

Create a non-Maven repository.

### URI

POST /cloudartifact/v5/artifact/

### Request Parameters

Table 4-20 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Repository format.
type	Yes	String	Repository type.
repository_name	Yes	String	Repository name.
description	No	String	Repository description.
includes_pattern	Yes	String	Path whitelist.
project_id	No	String	Project ID.
share_right	No	String	Shared policy.



## Response Parameters

Status code: 200

Table 4-21 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Create a non-Maven repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/artifact/
```

```
{
  "repository_name": "test-pypi",
  "type": "hosted",
  "format": "pypi",
  "description": "",
  "includes_pattern": "**/*",
  "share_right": "PROJECT",
  "project_id": "e2ee90487d6349dd944a5767225f6f55"
}
```

## Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143003-1701176455154-4616",
  "result": {
    "artifactory": {
      "status": null,
      "domainId": "5a775fdb14f4431b6c0015618140bc3",
      "region": "cn-north-7",
      "createdTime": null,
      "modifiedTime": null,
      "createdUserId": "e9253deb37654775bb3c411aca89153a",
      "createdUserName": "devcloud_devcloud_y00226182_01",
      "modifiedUserId": "e9253deb37654775bb3c411aca89153a",
      "modifiedUserName": "devcloud_devcloud_y00226182_01",
      "name": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_pypi_41",
      "disable": false,
      "format": "pypi",
      "type": "hosted",
      "policy": null,
      "tabId": null,
      "repositoryName": "test-pypi",
      "displayName": null,
    }
  }
}
```

```
"description" : "",
"snapshot" : null,
"release" : null,
"npm" : null,
"snapshotStatus" : null,
"releaseStatus" : null,
"projectId" : "e2ee90487d6349dd944a5767225f6f55",
"includesPattern" : "**/*",
"repositoryIds" : null,
"uri" : null,
"deploymentPolicy" : null,
"repositories" : null,
"parentRepoName" : null,
"userName" : null,
"password" : null,
"remoteUrl" : null,
"defaultDeployRepository" : null,
"remoteType" : null,
"proxy" : null,
"allowAnonymous" : null,
"autoCleanSnapshot" : null,
"snapshotAliveDays" : null,
"maxUniqueSnapshots" : null,
"shareRight" : "PROJECT",
"nexuRepo" : false,
"url" : "https://devrepo.devcloud.cn-north-7.ulanhqab.huawei.com/artgalaxy/api/pypi/cn-
north-7_5a775fdbcb14f4431b6c0015618140bc3_pypi_41/",
"packageType" : "pypi"
}
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.2.8 Editing Non-Maven Repository Information

### Function

Edit non-Maven repository information.

### URI

PUT /cloudartifact/v5/artifact/

## Request Parameters

**Table 4-22** Request body parameters

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Repository name.
format	Yes	String	Repository format.
description	No	String	Repository description.
repository_ids	Yes	Array of strings	Repository ID list.
includes_pattern	No	String	Path whitelist.
deployment_policy	No	String	Repository attribute - deployment policies.
auto_clean_snapshot	No	Boolean	Automatically clear snapshots.
snapshot_alive_days	No	String	Snapshot storage duration.
max_unique_snapshots	No	String	Maximum number of different snapshots.
allow_anonymous	No	Boolean	Whether to allow anonymous or not.

## Response Parameters

Status code: 200

**Table 4-23** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Update a mon-Maven repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/artifact/
```

```
{
  "repository_ids" : [ "cn-north-7_5a775fdbcb14f4431b6c0015618140bc3_pypi_41" ],
  "repo_name" : "test-pypi",
  "format" : "pypi",
  "description" : "11",
  "includes_pattern" : "11/**/*,22/**/*",
  "deployment_policy" : "allowRedeploy"
}
```

## Example Responses

**Status code: 200**

OK

```
{
  "status" : "success",
  "trace_id" : "143002-1701176758146-94",
  "result" : null
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.3 Repository Association

## 4.3.1 Querying Repositories Associated with Projects

### Function

Query repositories associated with projects.

### URI

GET /cloudartifact/v5/maven/repository/list

**Table 4-24** Query Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

## Request Parameters

None

## Response Parameters

Status code: 200

Table 4-25 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Query repositories associated with projects.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/maven/repository/list?  
project_id=e2ee90487d6349dd944a5767225f6f55
```

## Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701219898408-370",  
  "result": [{  
    "id": null,  
    "name": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_11",  
    "description": null,  
    "createdTime": "2022-01-20 18:23:17",  
    "createdUserId": "e9253deb37654775bb3c411aca89153a",  
    "createdUserName": "devcloud_devcloud_y00226182_01",  
    "modifiedTime": "2023-11-28 11:25:22",  
    "modifiedUserId": "e9253deb37654775bb3c411aca89153a",  
    "modifiedUserName": "devcloud_devcloud_y00226182_01",  
    "format": "maven2",  
    "repoType": "hosted",  
    "includesPattern": "**/*",  
    "url": "https://devrepo.devcloud.cn-north-7.ulanhqab.huawei.com/artgalaxy/cn-  
north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_11/",  
    "storageSummaryInfo": null,  
    "projectId": null,  
    "shareRight": null,  
    "deploymentPolicy": null,  
    "repositoryName": "maven-test-20220120",  
    "displayName": "maven-test-20220120",  
    "policy": "release",  
    "tabId": "5a775fdcb14f4431b6c0015618140bc3_tab_maven2_11",  
    "status": "active",  
    "domainId": "5a775fdcb14f4431b6c0015618140bc3",  
    "region": "cn-north-7",  
  }]
```

```
"uri" : null,  
"disable" : false,  
"packageType" : "maven"  
}]  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.3.2 Associating a Project with a Repository

### Function

Associate a project with a repository.

### URI

POST /cloudartifact/v5/maven/project/repository

### Request Parameters

Table 4-26 Request body parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Project ID.
ids	No	Array of strings	<b>tab_id</b> set.

### Response Parameters

Status code: 200

Table 4-27 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.

Parameter	Type	Description
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Associate a project with a repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/maven/project/repository
```

```
{
  "project_id" : "e2ee90487d6349dd944a5767225f6f55",
  "ids" : [ "5a775fdb14f4431b6c0015618140bc3_tab_maven2_23",
    "5a775fdb14f4431b6c0015618140bc3_tab_maven2_120",
    "5a775fdb14f4431b6c0015618140bc3_tab_maven2_201" ]
}
```

## Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "143006-1701220262276-256",
  "result" : null
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.4 Repository Capacity

## 4.4.1 Querying Repository Usage

### Function

Query repository usage.

## URI

GET /cloudartifact/v5/storage

**Table 4-28** Query Parameters

Parameter	Mandatory	Type	Description
format_list	No	String	Types
in_project	No	String	Whether it is in project or not.

## Request Parameters

None

## Response Parameters

**Status code: 200**

**Table 4-29** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Query repository usage.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/storage?  
in_project=true&format_list=maven2,npm,go,pypi,rpm,debian,conan,nuget,docker
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status": "success",  
  "trace_id": "143006-1701220621380-265",  
  "result": {  
    "totalStorage": "549.62 MB",  
    "totalCount": 183  
  }  
}
```



## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.5 Searching

## 4.5.1 Searching for Files Using Checksum

### Function

Search for files using checksum.

### URI

GET /cloudartifact/v5/search/checksum

**Table 4-30** Query Parameters

Parameter	Mandatory	Type	Description
checksum	Yes	String	checksum
page_no	No	Integer	Page number.
page_size	No	Integer	Number of items on each page.
format	No	String	Repository type.
in_project	No	String	Whether it is in project or not.
project_id	No	String	Project ID.

### Request Parameters

None

### Response Parameters

**Status code: 200**

**Table 4-31** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Search for files using checksum.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/search/checksum?checksum=eb05a9df1e3403a5f54e03de073a6ce6&page_no=1&page_size=10&in_project=true&project_id=e2e90487d6349dd944a5767225f6f55&format=pypi
```

## Example Responses

**Status code: 200**

OK

```
{
  "status": "success",
  "trace_id": "143006-1701220804200-277",
  "result": [ {
    "name": "mod.txt",
    "relativePath": "1/1/mod.txt",
    "createdBy": null,
    "createdUserName": "devcloud_devcloud_y00226182_01",
    "created": null,
    "modified": "2023-11-29T09:19:13.711+08:00",
    "repo": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_pypi_40",
    "repoName": "testpypi",
    "displayName": null,
    "oldRepold": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_pypi_40",
    "repoType": "pypi"
  } ]
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.5.2 Coordinated Search

### Function

Coordinated search.

### URI

POST /cloudartifact/v5/tree/repos/artifacts

### Request Parameters

Table 4-32 Request body parameters

Parameter	Mandatory	Type	Description
artifact_name	Yes	String	Search for artifact names.
artifact_type	No	String	Artifact type.
page_no	No	String	Page number.
page_size	No	String	Number of items on each page.
project_id	No	String	Project ID.
in_project	No	String	Whether it is in project or not.

### Response Parameters

Status code: 200

Table 4-33 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

### Example Requests

Coordinated search.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/tree/repos/artifacts
```

```
{  
  "artifact_name" : "mod.txt",
```

```
"artifact_type" : "pypi",  
"page_no" : 1,  
"page_size" : 10,  
"project_id" : "e2ee90487d6349dd944a5767225f6f55",  
"in_project" : true  
}
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status" : "success",  
  "trace_id" : "143002-1701221035715-403",  
  "result" : {  
    "artifacts" : [ {  
      "name" : "mod.txt",  
      "relativePath" : "1/1/mod.txt",  
      "createdBy" : "cn-  
north-7_5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",  
      "createdUserName" : "devcloud_devcloud_y00226182_01",  
      "created" : "1701220753711",  
      "modified" : "2023-11-29T09:19:13.711+08:00",  
      "repo" : "cn-north-7_5a775fdb14f4431b6c0015618140bc3_pypi_40",  
      "repoName" : "testpypi",  
      "displayName" : null,  
      "oldRepold" : "cn-north-7_5a775fdb14f4431b6c0015618140bc3_pypi_40",  
      "repoType" : "pypi"  
    } ]  
  }  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.6 User Management

## 4.6.1 Resetting a User Password

### Function

Reset a user password.

### URI

POST /cloudartifact/v5/maven/users/me

## Request Parameters

None

## Response Parameters

Status code: 200

Table 4-34 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Reset a user password.

<https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/maven/users/me>

## Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701244804975-630",
  "result": {
    "status": 0,
    "domainId": "5a775fdcb14f4431b6c0015618140bc3",
    "region": "cn-north-7",
    "createdTime": "2021-05-19 19:50:30",
    "modifiedTime": "2023-11-28 21:00:56",
    "id": 3000110176,
    "userId": "e9253deb37654775bb3c411aca89153a",
    "userName": "devcloud_devcloud_y00226182_01",
    "userType": "personal",
    "repoUserName": "5a775fdcb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
    "repoNumber": 58,
    "innerRepoUserName": "cn-
north-7_5a775fdcb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a"
  }
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.7 Repository Details

### 4.7.1 Skipping the Number of Artifacts in the Repository When Querying Repository Details

#### Function

Skip the number of artifacts in the repository when querying repository details.

#### URI

GET /cloudartifact/v5/{tenant\_id}/{project\_id}/repositories

**Table 4-35** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Tenant ID.
project_id	Yes	String	Project ID.

**Table 4-36** Query Parameters

Parameter	Mandatory	Type	Description
group_id	No	String	Group ID.
page_no	No	Integer	Page number.
page_size	No	Integer	Page size.
sort	No	String	Sorting type.
qname	No	String	Query content.
type	No	String	Repository type.
format	No	String	Repository format.
format_list	No	String	Repository format list.
is_recycle_bin	No	Boolean	Whether a file is in the recycle bin.
is_need_pagination	No	Boolean	Whether paging is required.
in_project	No	Boolean	Whether it is in project or not.

## Request Parameters

None

## Response Parameters

Status code: 200

Table 4-37 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Skip the number of artifacts in the repository when querying repository details.

```
https://artifact.cn-south-1.myhuaweicloud.com/  
cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/  
repositories?  
in_project=true&format=&page_no=1&page_size=2&qname=&format_list=maven2,npm,go,pypi,rpm,debian,c  
onan,nuget,docker&is_need_paging=true
```

## Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143006-1701221592150-283",  
  "result": {  
    "total": 183,  
    "repositories": [ {  
      "id": null,  
      "name": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_conan_5",  
      "description": "1,0",  
      "createdTime": "2022-08-22 17:14:55",  
      "createdUserId": "e9253deb37654775bb3c411aca89153a",  
      "createdUserName": "devcloud_devcloud_y00226182_01",  
      "modifiedTime": "2023-10-16 20:05:59",  
      "modifiedUserId": "e9253deb37654775bb3c411aca89153a",  
      "modifiedUserName": "devcloud_devcloud_y00226182_01",  
      "format": "conan",  
      "repoType": "hosted",  
      "includesPattern": "**/*",  
      "url": "https://devrepo.devcloud.cn-north-7.ulanqab.huawei.com/artgalaxy/api/conan/cn-  
north-7_5a775fdcb14f4431b6c0015618140bc3_conan_5/",  
      "storageSummaryInfo": null,  
      "projectId": null,  
    }  
  ]  
  }  
}
```

```
"shareRight" : null,
"deploymentPolicy" : null,
"repositoryName" : "5465653",
"displayName" : null,
"policy" : null,
"tabId" : null,
"status" : "active",
"domainId" : "5a775fdb14f4431b6c0015618140bc3",
"region" : "cn-north-7",
"uri" : null,
"disable" : false,
"packageType" : "conan"
}, {
  "id" : null,
  "name" : "cn-north-7_5a775fdb14f4431b6c0015618140bc3_conan_6",
  "description" : "",
  "createTime" : "2022-08-22 17:21:15",
  "createdUserId" : "e9253deb37654775bb3c411aca89153a",
  "createdUserName" : "devcloud_devcloud_y00226182_01",
  "modifiedTime" : "2023-10-16 20:05:59",
  "modifiedUserId" : null,
  "modifiedUserName" : "devcloud_devcloud_y00226182_01",
  "format" : "conan",
  "repoType" : "hosted",
  "includesPattern" : "**/*",
  "url" : "https://devrepo.devcloud.cn-north-7.ulanhqab.huawei.com/artgalaxy/api/conan/cn-
north-7_5a775fdb14f4431b6c0015618140bc3_conan_6/",
  "storageSummaryInfo" : null,
  "projectId" : null,
  "shareRight" : null,
  "deploymentPolicy" : null,
  "repositoryName" : "12321",
  "displayName" : null,
  "policy" : null,
  "tabId" : null,
  "status" : "active",
  "domainId" : "5a775fdb14f4431b6c0015618140bc3",
  "region" : "cn-north-7",
  "uri" : null,
  "disable" : false,
  "packageType" : "conan"
}
}]
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).



## 4.7.2 Collecting the Number of Artifacts in the Repository When Querying Details about a Repository

### Function

Collect the number of artifacts in the repository when querying details about a repository.

### URI

GET /cloudartifact/v5/{tenant\_id}/{project\_id}/{repo\_id}/repositories

**Table 4-38** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Tenant ID.
project_id	Yes	String	Project ID.
repo_id	Yes	String	Repository ID.

**Table 4-39** Query Parameters

Parameter	Mandatory	Type	Description
region	Yes	String	Service area.

### Request Parameters

None

### Response Parameters

**Status code: 200**

**Table 4-40** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Collect the number of artifacts in the repository when querying details about a repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/  
cloudartifact/v5/5a775fdb14f4431b6c0015618140bc3/035a1e9da3074adfb57acd1da494d736/cn-  
north-7_5a775fdb14f4431b6c0015618140bc3_conan_8/repositories?region=cn-north-7
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701221877267-423",  
  "result": {  
    "id": null,  
    "name": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_conan_8",  
    "description": "",  
    "createTime": "2023-10-27 15:48:54",  
    "createdUserId": "e9253deb37654775bb3c411aca89153a",  
    "createdUserName": "devcloud_devcloud_y00226182_01",  
    "modifiedTime": "2023-11-02 20:08:14",  
    "modifiedUserId": "e9253deb37654775bb3c411aca89153a",  
    "modifiedUserName": "devcloud_devcloud_y00226182_01",  
    "format": "conan",  
    "repoType": "hosted",  
    "includesPattern": "**/*",  
    "url": null,  
    "storageSummaryInfo": {  
      "filesCount": 0,  
      "usedSpace": "0 MB"  
    },  
    "projectId": "035a1e9da3074adfb57acd1da494d736",  
    "shareRight": "PROJECT",  
    "deploymentPolicy": null,  
    "repositoryName": "conan7",  
    "displayName": null,  
    "policy": null,  
    "tabId": null,  
    "status": "active",  
    "domainId": "5a775fdb14f4431b6c0015618140bc3",  
    "region": "cn-north-7",  
    "uri": null,  
    "disable": false,  
    "packageType": "conan"  
  }  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.7.3 Querying Storage Capacity Trend

### Function

Query storage capacity trend.

### URI

GET /cloudartifact/v5/{tenant\_id}/{project\_id}/storageinfo/statistic

**Table 4-41** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Tenant ID.
project_id	Yes	String	Project ID.

**Table 4-42** Query Parameters

Parameter	Mandatory	Type	Description
repo	No	String	Repository ID.
start_time	No	String	Start time.
end_time	No	String	End time.
instance_id	No	String	Instance ID.

### Request Parameters

None

### Response Parameters

Status code: 200

**Table 4-43** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Query storage capacity trend.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/storageinfo/statistic?start_time=2023-11-22&end_time=2023-11-28&repo=cn-north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_108
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status": "success",  
  "trace_id": "143006-1701222420819-287",  
  "result": [{  
    "filesCount": 2,  
    "usedSpaceLength": 1034390,  
    "usedSpace": "1,010.15 KB",  
    "summaryDate": "2023-11-22",  
    "foldersCount": null,  
    "itemsCount": null  
  }, {  
    "filesCount": 2,  
    "usedSpaceLength": 1034390,  
    "usedSpace": "1,010.15 KB",  
    "summaryDate": "2023-11-23",  
    "foldersCount": null,  
    "itemsCount": null  
  }, {  
    "filesCount": 2,  
    "usedSpaceLength": 1034390,  
    "usedSpace": "1,010.15 KB",  
    "summaryDate": "2023-11-24",  
    "foldersCount": null,  
    "itemsCount": null  
  }, {  
    "filesCount": 2,  
    "usedSpaceLength": 1034390,  
    "usedSpace": "1,010.15 KB",  
    "summaryDate": "2023-11-25",  
    "foldersCount": null,  
    "itemsCount": null  
  }, {  
    "filesCount": 2,  
    "usedSpaceLength": 1034390,  
    "usedSpace": "1,010.15 KB",  
    "summaryDate": "2023-11-26",  
    "foldersCount": null,  
    "itemsCount": null  
  }, {  
    "filesCount": 4,  
    "usedSpaceLength": 2068780,  
    "usedSpace": "1.97 MB",  
    "summaryDate": "2023-11-27",  
    "foldersCount": null,  
    "itemsCount": null  
  }, {  
    "filesCount": 0,  
    "usedSpaceLength": 0,  
    "usedSpace": "",  
    "summaryDate": "2023-11-28",  
    "foldersCount": null,  
    "itemsCount": null  
  }  
]
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.8 Audit Logs

## 4.8.1 Querying Audit Logs about a Repository or File

### Function

Query audit logs about a repository or file.

### URI

GET /cloudartifact/v5/{tenant\_id}/{project\_id}/{module}/{repo}/audit

**Table 4-44** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Tenant ID.
project_id	Yes	String	Project ID.
module	Yes	String	Module.
repo	Yes	String	Repository ID.

**Table 4-45** Query Parameters

Parameter	Mandatory	Type	Description
user_id	No	String	User ID.
instance_id	No	String	Instance ID.
page_num	No	Integer	Page number.
page_size	No	Integer	Page size.

## Request Parameters

None

## Response Parameters

Status code: 200

Table 4-46 Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Query audit logs about a repository or file.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/file/cn-north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_108/audit?page_num=1&page_size=5
```

## Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701222589443-431",
  "result": {
    "auditInfoList": [ {
      "id": "2271182",
      "module": "file",
      "operation": "upload",
      "time": "2023/10/27 15:46:19",
      "info": "cn-north-7_5a775fdcb14f4431b6c0015618140bc3_maven_1_108",
      "data": "1/1/1/1-1.jar",
      "reason": null,
      "userAgent": "Apache-HttpClient/4.5.13 (Java/1.8.0_232)",
      "operator": "devcloud_devcloud_y00226182_01",
      "ipSource": "10.172.180.79"
    } ],
    "total": 1
  }
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.9 Following

## 4.9.1 Following/Unfollowing Components

### Function

Follow/unfollow components.

### URI

POST /cloudartifact/v5/attention

### Request Parameters

**Table 4-47** Request body parameters

Parameter	Mandatory	Type	Description
attention	Yes	String	Follow/unfollow components.
ids	Yes	Array of strings	Component ID list.
format	No	String	Format.

### Response Parameters

Status code: 200

**Table 4-48** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.

Parameter	Type	Description
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Follow/unfollow components.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/attention
```

```
{  
  "format" : "npm",  
  "attention" : "0",  
  "ids" : [ "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar" ]  
}
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status" : "success",  
  "trace_id" : "143002-1701222737501-435",  
  "result" : null  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.9.2 Querying the Following List

### Function

Query the following list.

### URI

GET /cloudartifact/v5/attention/artifacts



**Table 4-49** Query Parameters

Parameter	Mandatory	Type	Description
page_no	No	Integer	Page number.
page_size	No	Integer	Page size.
project_id	No	String	Project ID.

## Request Parameters

None

## Response Parameters

Status code: 200

**Table 4-50** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Query the following list.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/attention/artifacts?
page_size=10&page_no=1&project_id=035a1e9da3074adfb57acd1da494d736
```

## Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143006-1701222864960-289",
  "result": {
    "data": [ {
      "id": "43e78ea4903d468db517e069ab91ce1c",
      "domainId": "5a775fdb14f4431b6c0015618140bc3",
      "repositoryId": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_108",
      "repositoryName": "maven1",
      "format": "maven2",
      "policy": "release",
      "artifactId": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar",
      "path": "cn-north-7_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar",
      "modifiedUserName": "devcloud_devcloud_y00226182_01",
```

```
"modifiedUserId" : "e9253deb37654775bb3c411aca89153a",
"userId" : null,
"modifiedTime" : "2023-11-29 09:54:22",
"region" : "cn-north-7"
}],
"totalRecords" : 1,
"totalPages" : 1
}
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 4.10 File Management

## 4.10.1 Querying the Repository Folder Directory

### Function

Query the repository folder directory.

### URI

GET /cloudartifact/v5/{tenant\_id}/{project\_id}/{repo\_name}/file-tree

**Table 4-51** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Tenant ID.
project_id	Yes	String	Project ID.
repo_name	Yes	String	Repository name.

**Table 4-52** Query Parameters

Parameter	Mandatory	Type	Description
path	Yes	String	Path in the repository.
instance_id	No	String	Instance ID.



```
"created" : "2023-11-29T09:56:51.349+08:00"  
}  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.10.2 Querying Repository File Details

### Function

Query repository file details.

### URI

GET /cloudartifact/v5/{tenant\_id}/{project\_id}/{repo\_name}/file-detail

**Table 4-54** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Tenant ID.
project_id	Yes	String	Project ID.
repo_name	Yes	String	Repository name.

**Table 4-55** Query Parameters

Parameter	Mandatory	Type	Description
path	Yes	String	Path in the repository.
format	Yes	String	Repository format.
instance_id	No	String	Instance ID.

## Request Parameters

None



```
"downloadInfo" : {
  "uri" : "https://cloudartifacts-backend.cn-north-7.myhuaweicloud.com/artgalaxy/api/storage/cn-north-7_5a775fdcb14f4431b6c0015618140bc3_go_19/up/up/9Hn1036zgQqL4G805Ufb43H4s1t984",
  "downloadCount" : 0,
  "lastDownloaded" : 0,
  "remoteDownloadCount" : 0,
  "remoteLastDownloaded" : 0,
  "lastDownloadedBy" : ""
},
"gavDisplay" : {
  "gavInfo" : null,
  "configInfo" : ""
},
"originalChecksums" : { },
"displayName" : "go3",
"display_size" : "1.03 KB"
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

## 4.10.3 Non-Maven File Deletion

### Function

Non-Maven file deletion.

### URI

DELETE /cloudartifact/v5/file

### Request Parameters

Table 4-57 Request body parameters

Parameter	Mandatory	Type	Description
path	Yes	String	File path.

### Response Parameters

Status code: 200

**Table 4-58** Response body parameters

Parameter	Type	Description
status	String	Result status.
trace_id	String	Request ID.
result	String	Returned result of the request. The return value varies according to the API.

## Example Requests

Non-Maven file deletion.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/file
```

```
{  
  "path" : "cn-north-7_5a775fdb14f4431b6c0015618140bc3_go_19/down/down/  
GOR7zo553IL44I063cdVKui7n58078"  
}
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status" : "success",  
  "trace_id" : "143002-1701223356546-449",  
  "result" : "delete file success!"  
}
```

## Status Codes

Status Code	Description
200	OK

## Error Codes

See [Error Codes](#).

# 5 Appendixes

## 5.1 Status Codes

Table 5-1 Status code

Status code	Message	Description
100	Continue	The client should continue with its request. This interim response is used to inform the client that the initial part of the request has been received and has not yet been rejected by the server.
101	Switching Protocols	Switch protocols. A protocol can only be switched to a more advanced protocol. For example, the protocol in use is switched to a later version of HTTP.
201	Created	The request has been fulfilled and resulted in a new resource being created.
202	Accepted	The request has been accepted for processing, but the processing has not been completed.
203	Non-Authoritative Information	The server successfully processed the request, but is returning information that may be from another source.
204	NoContent	The server has successfully processed the request, but does not return any response. The status code is returned in response to an HTTP OPTIONS request.
205	Reset Content	The server has fulfilled the request, but the requester is required to reset the content.



Status code	Message	Description
206	Partial Content	The server has fulfilled the partial GET request for the resource.
300	Multiple Choices	There are multiple choices for a requested resource. A list of resource characteristics and addresses is returned for the client such as a browser to choose from.
301	Moved Permanently	This and all future requests have been permanently moved to the given URI indicated in this response.
302	Found	The requested resource has been temporarily moved.
303	See Other	Retrieve another URL. Use <b>GET</b> and <b>POST</b> requests to view the information.
304	Not Modified	The requested resource has not been modified. When the server returns this status code, no resource is returned.
305	Use Proxy	The requested resource is available only through a proxy.
306	Unused	This HTTP status code is no longer used.
400	BadRequest	Invalid request. The client should modify the request instead of re-initiating it.
401	Unauthorized	The authentication information provided by the client is incorrect or invalid.
402	Payment Required	Reserved request.
403	Forbidden	Request rejected. The server has received the request and understood it, but refuses to respond to it. The client should modify the request instead of re-initiating it.
404	NotFound	The requested resource cannot be found. The client should modify the request instead of re-initiating it.
405	MethodNotAllowed	The method specified in the request is not allowed for the requested resource. The client should modify the request instead of re-initiating it.

Status code	Message	Description
406	Not Acceptable	The server cannot implement the request based on the content characteristics of the request.
407	Proxy Authentication Required	This code is similar to 401, but indicates that the client must first authenticate itself with the proxy.
408	Request Time-out	The server timed out waiting for the request. The client may re-initiate the request without modifications at any time later.
409	Conflict	The request cannot be processed due to a conflict. This status code indicates that the resource that the client attempts to create already exists, or the request fails to be processed because of the update of the conflict request.
410	Gone	The requested resource cannot be found. This status code indicates that the requested resource has been deleted permanently.
411	Length Required	The server refused to process the request because the request does not specify the length of its content.
412	Precondition Failed	The server does not meet one of the preconditions that the requester puts on the request.
413	Request Entity Too Large	The server refuses to process a request because the request is too large. The server may disable the connection to prevent the client from sending requests consecutively. If the server temporarily cannot process the request, the response will contain a <b>Retry-After</b> header field.
414	Request-URI Too Large	The request URI is too long for the server to process.
415	Unsupported Media Type	The server does not support the media type in the request.
416	Requested range not satisfiable	The requested range is invalid.
417	Expectation Failed	The server fails to meet the requirements of the <b>Expect</b> request header field.
422	UnprocessableEntity	The server fails to meet the requirements of the <b>Expect</b> request header field.

Status code	Message	Description
429	TooManyRequests	The client sends too many requests to the server within a given time, exceeding the client's access frequency limit or beyond the server's processing capability. In this case, the client should repeat requests after the time specified in the <b>Retry-After</b> header of the response expires.
500	InternalServerError	The server is able to receive the request but it cannot understand the request.
501	Not Implemented	The server does not support the requested function, and therefore cannot implement the request.
502	Bad Gateway	The server acting as a gateway or proxy receives an invalid response from a remote server.
503	ServiceUnavailable	The requested service is invalid. The client should modify the request instead of re-initiating it.
504	ServerTimeout	The server could not return a timely response. The response will reach the client only if the request carries a timeout parameter.
505	HTTP Version not supported	The server does not support the HTTP protocol version used in the request.

## 5.2 Error Codes

If an error code starting with APIGW is returned after you call an API, rectify the fault by referring to the instructions provided in [API Gateway Error Codes](#).

Status Code	Error Codes	Error Message	Description	Solution
403	CR.4102	You do not have permissions on the project.	You do not have permissions on the project.	Please contact the project administrator
500	CR.5000	Unknown service error.	Unknown service error.	Please contact customer service.

## 5.3 Obtaining a Project ID

### Obtaining a Project ID by Calling an API

You can obtain the project ID by calling the API used to [query project information](#).

The API for obtaining a project ID is **GET [https://{Endpoint}/v3/projects/{Endpoint}](#)**. **{Endpoint}** indicates the endpoint of IAM, which can be obtained from [1.3 Endpoints](#). For details about API authentication, see [3.2 Authentication](#).

In the following example, **id** indicates the project ID.

```
{
  "projects": [
    {
      "domain_id": "65382450e8f64ac0870cd180d14e684b",
      "is_domain": false,
      "parent_id": "65382450e8f64ac0870cd180d14e684b",

      "name": "ap-southeast-3",
      "description": "",
      "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
      },
      "id": "a4a5d4098fb4474fa22cd05f897d6b99",
      "enabled": true
    }
  ],
  "links": {
    "next": null,
    "previous": null,
    "self": "https://www.example.com/v3/projects"
  }
}
```

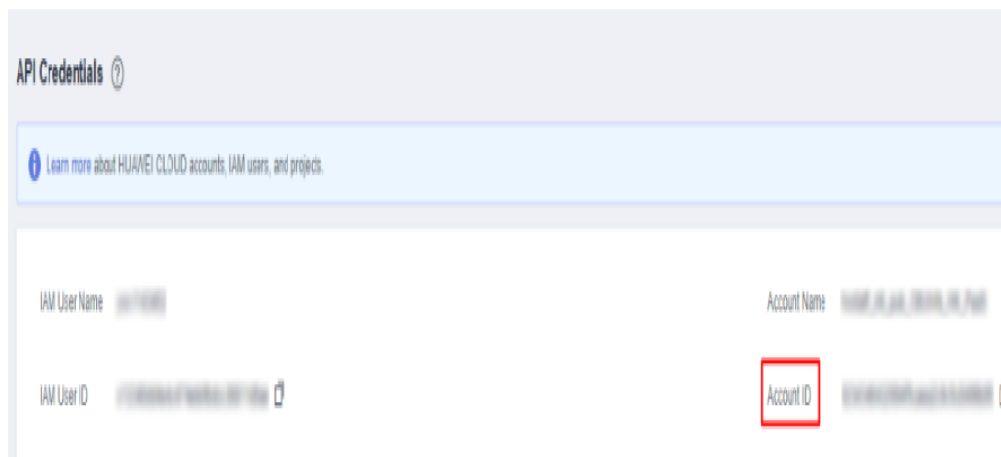
### Obtaining a Project ID from the Console

A project ID is required for some URLs when an API is called. To obtain a project ID, perform the following operations:

1. Log in to the management console.
2. Hover over the username in the upper right corner and choose **My Credentials** from the drop-down list.

Choose **My Credentials > API Credentials** to view the project ID in the project list.

Figure 5-1 Viewing project IDs



## 5.4 Obtaining an Account ID

An account ID is required for some URLs when an API is called. To obtain an account ID, perform the following operations:

1. Log in to the management console.
2. Hover over the username in the upper right corner and choose **My Credentials** from the drop-down list.

Choose **My Credentials** > **API Credentials** to view the account ID.

Figure 5-2 Obtaining an account ID

