

CodeArts Artifact

API Reference

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1 Before You Start

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 release repos. For details about all supported operations, see [API Overview](#).

Before calling a CodeArts API, ensure that you have fully understood the concepts related to CodeArts. For details, see .

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
EU-Dublin	eu-west-101	artifact.eu-west-101.myhuaweicloud.eu

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 grant 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 grant them permissions for routine management.
- **User**
An identity and access management (IAM) user is created using an account to use cloud services. Each IAM user has their 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 account, username, and password are 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 particular services for specific tenants.

For details, see [Region and AZ](#).

- Availability zone

An availability zone (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 allow you to build cross-AZ high-availability (HA) systems.

- Project

Projects group and isolate resources (including compute, storage, and network resources) across physical regions. A default project is provided for each 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. Then you can assign required permissions for users to access only resources in specific 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 [Enterprise Management User Guide](#).

2 API Overview

Table 2-1 CodeArts Artifact APIs

Type	Description
Package query (Release Repos)	Obtain the package information and package status of the current user.
File management (Release Repos)	Permanently delete files/folders and query archived build packages by page.
Repository details (Release Repos)	Query the settings of automatic project deletion tasks.
File query (Release Repos)	Query file versions in a project.
Recycle bin	Restore and delete files from the recycle bin in batches.
Repository management	Create a Maven repository, edit a repository, view repository information, move a repository to the recycle bin, query the Maven repository list and account password of a tenant, create a non-Maven repository, and edit non-Maven repository information.
Repository association	Query repositories associated with projects and associate a project with a repository.
Repository capacity	Query repository usage.
Searching	Search for files by checksum and advanced search.
User management	Reset a user password.
Repository details	Query repository details and storage capacity trend.

Type	Description
Audit log	Query audit logs about a repository or file.
Favoriting	Favorite packages, unfavorite packages, and query my favorites.
File management	Query the repository folder directory and file details.
Permission check	Query the permissions of a user in a project.

3 Calling APIs

3.1 Making an API Request

This section describes the structure of a REST API request, and uses the IAM API for [creating an IAM user as an administrator](#) as an example to demonstrate how to call an API.

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}***

The following table describes the parameters.

Parameter	Description
URI-scheme	Protocol used to transmit requests. All APIs use HTTPS .
Endpoint	Domain name or IP address of the server bearing the REST service. The endpoint varies among services in different regions. It can be obtained from Regions and Endpoints . For example, the endpoint of IAM in the EU-Dublin region is iam.pipeline-external.eu-west-101.myhuaweicloud.eu .
resource-path	The resource path, that is, the API access path, is obtained from the URI of a specific API. For example, resource-path of the API for creating an IAM user is /v3.0/OS-USER/users .
query-string	(Optional) Query a parameter. The query parameter is prefixed with a question mark (?), in the format of Parameter name=Parameter value . For example, limit=10 indicates that a maximum of 10 data records will be queried.

For example, if you want to create an IAM user, use the endpoint of any region because IAM is a global service. Obtain the endpoint of the EU-Dublin region (iam.pipeline-external.eu-west-101.myhuaweicloud.eu) and find **resource-path** (/v3.0/OS-USER/users) in the URI of the API for [creating an IAM user](#). Then, construct them as follows:

```
https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
```

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 Methods

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	Requests the server to return 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 for [creating an IAM user](#), the request method is **POST**. An example request is as follows:

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
```

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.

The following table lists the common request header fields.

- **Content-Type**: specifies the request body type or format. This field is mandatory and its default value is **application/json**. Other values of this field will be provided for specific APIs if any.

- **Authorization:** specifies signature authentication information. This field is optional. When AK/SK authentication is enabled, this field is automatically specified when SDK is used to sign the request. For more information, see [AK/SK-based Authentication](#).
- **X-Sdk-Date:** time when a request is sent. This field is optional. When AK/SK authentication is enabled, this field is automatically specified when SDK is used to sign the request. For more information, see [AK/SK-based Authentication](#).
- **X-Auth-Token:** A user token only for token-based API authentication. The user token is a response to the API used to [obtain a user token](#). Only this API does not require authentication.
- **X-Project-ID:** subproject ID. This field is optional and can be used in multi-project scenarios. The **X-Project-ID** field is mandatory in the request header for accessing resources in a sub-project through AK/SK authentication.
- **X-Domain-ID:** account ID, which is optional. When you call APIs of global services using AK/SK authentication, **X-Domain-ID** is needed in the request header.

The following shows an example request of the API for [creating an IAM user](#) when AK/SK authentication is used:

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
Content-Type: application/json
X-Sdk-Date: 20240416T095341Z
Authorization: SDK-HMAC-SHA256 Access=*****, SignedHeaders=content-type;host;x-sdk-date,
Signature=*****
```

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.

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

For the API for [creating an IAM user as an administrator](#), you can check the required request parameters and their description in the API request. The following provides an example request with a body included. Replace the italic fields in bold with the actual values.

- **accountid:** account ID of the IAM user
- **username:** IAM username to be created
- **email:** email address of the IAM user
- *******:** password of the IAM user

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
Content-Type: application/json
X-Sdk-Date: 20240416T095341Z
Authorization: SDK-HMAC-SHA256 Access=*****, SignedHeaders=content-type;host;x-sdk-date,
Signature=*****

{
  "user": {
    "domain_id": "accountid",
    "name": "username",
    "password": "*****",
    "email": "email",
```

```
"description": "IAM User Description"
  }
}
```

If all data required for the API request is available, you can send the request to call the API through curl, Postman, or coding.

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 IAM API used to obtain a user token.
- Ensure that the token is valid when you use it. Using a token that will soon expire may cause API calling failures.

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.

When calling the API for [obtaining 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 **ABCDEFGH....**, **X-Auth-Token: ABCDEFGH....** should be added to a request as follows:

```
GET https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
Content-Type: application/json
X-Auth-Token: ABCDEFJ....
```

AK/SK-based Authentication

NOTE

- AK/SK-based authentication supports API requests with a body not larger than 12 MB. For API requests with a larger body, token-based authentication is recommended.
- You can use the AK/SK in either a permanent or temporary access key. If you are using a temporary access key, configure the **X-Security-Token** field whose value is the **security_token** of the temporary access key.

In AK/SK-based authentication, AK/SK is used to sign requests and the signature is then added to the requests for authentication.

- AK: access key ID, which is a unique identifier used in conjunction with a secret access key to sign requests cryptographically.
- SK: secret access key used in conjunction with an AK to sign requests cryptographically. It identifies a request sender and prevents 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 [AK/SK Signing and Authentication Guide](#).

NOTICE

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

3.3 Response

Status Code

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](#).

For example, 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 3-1 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 3-1 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
→ MIIYXQYJKoZIhvcNAQcCoIIYTCCEGoCAQExDTALBgIghkgBZQMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOansiZXhwaXJlc19hdCI6IjIwMTktMDItMTNUMC
fj3KJs6YgKnpVNRbW2eZ5eb78SZOkqjACgkIQO1wi4JIGzrpd18LGXK5bdfq4lqHCYb8P4NaY0NYejcAgz/VeFYtLWT1GSO0zxKZmlQHq82HBqHdglZO9fuEbL5dMhdavj+33wEI
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1FruooL6jggIFkNPQuFSOU8+uSsttVwRtNfsC+qTp22Rkd5MCqFGQ8LcuUxC3a+9CMBnOintWW7oeRUVhVpxk8pxiX1wTEboX-
RzT6MUbpvGw-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 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": [
          {
            .....
          }
        ]
      }
    ]
  }
}
```

If an error occurs during API calling, an error code and a message will be displayed. The following shows an error response body.

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

In the response body, **error_code** is an error code, and **error_msg** provides information about the error.

4 API

4.1 Querying Packages (Release Repos)

4.1.1 Obtaining Package Information of the Current User

Function

This API is used to obtain package information of the current user.

Calling Method

For details, see [Calling APIs](#).

URI

GET /devreposerver/v5/data/package

Table 4-1 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-2 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

https://localhost.com/devreposerver/v5/data/package?project_id=666666af0f00445f85dec483fbc97c78

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "142838-1718767424403-26988",
  "result": {
    "needNotice": true,
    "crossTenant": false,
    "packageType": 13,
    "packageStatus": 1,
    "totalStorage": "500GB",
    "totalDownloadTraffic": "100GB",
    "usedStorage": "46.69GB",
    "monthUsedTraffic": "361.0B",
    "storagePercent": 0.09,
    "trafficPercent": 0,
    "packageDetail": 0,
    "maxRepoNum": "Infinity"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.1.2 Obtaining Package Status of the Current User

Function

This API is used to obtain package status of the current user.

Calling Method

For details, see [Calling APIs](#).

URI

GET /devreposerver/v5/data/package/info

Table 4-3 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-4 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

https://localhost.com/devreposerver/v5/data/package/info?project_id=666666af0f00445f85dec483fbc97c78

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "76629-1718767405716-27335",
  "result": {
    "codeartsStorageExtension": {
      "resourceId": "7590809a5c9d42ae92b49b1190e94666",
      "serviceType": "hws.resource.type.codearts.extension.storage",
      "packageStatus": 2,
      "remainDays": 11,
      "nextActionUrl": "https://localhost.com/usercenter/?region=region&locale=zh-cn#/renewal?subscriptionId=01154-618666699-0&orderId=CS24066664337FWPY&isFrom=expense"
    },
    "codeartsTrafficExtension": {
      "resourceId": "37c9064954924750b2350e2d03e66666",
      "serviceType": "hws.resource.type.codearts.extension.flow",
      "packageStatus": 2,
      "remainDays": 11,
      "nextActionUrl": "https://localhost.com/usercenter/?region=region&locale=zh-cn#/renewal?subscriptionId=01154-618366663-0&orderId=CS24052666637LJS1&isFrom=expense"
    }
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.2 File Management (Release Repos)

4.2.1 Deleting a File or Folder Permanently

Function

This API is used to delete a file or folder permanently.

Calling Method

For details, see [Calling APIs](#).

URI

DELETE /devreposerver/v5/files/compeletion

Request Parameters

Table 4-5 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Token authentication information.

Table 4-6 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of strings	IDs of the files to be deleted.

Response Parameters

Status code: 200

Table 4-7 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

```
https://localhost.com/devreposerver/v5/files/compeletion  
[ "666666af0f00445f85dec483fbc97c78", "666666efdf244a3abcd53e5b19e86f4",  
  "666666547a54464397b73c7ee1efd124" ]
```

Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "76629-1718766450894-27029",  
  "result": {  
    "reason": [ ],  
    "failed_items": [ ],  
    "success": 3,  
    "success_items": [ "666666af0f00445f85dec483fbc97c78", "666666efdf244a3abcd53e5b19e86f4",  
      "666666547a54464397b73c7ee1efd124" ],  
    "failed": 0  
  }  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.2.2 Querying the Build Archive Package List by Page

Function

This API is used to query the build archive package list by page.

Calling Method

For details, see [Calling APIs](#).

URI

GET /devreposerver/v5/files/archives

Table 4-8 Query Parameters

Parameter	Mandatory	Type	Description
parent_id	No	String	Parent node ID.
build_id	No	String	Build ID.
build_no	No	String	Build No.
page_no	No	Integer	Number of pages.
page_size	No	Integer	Number of records on each page.
repo_branch	No	String	CodeHub repository branch.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-9 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

```
https://localhost.com/devreposerver/v5/files/archives?
build_id=66666603da854239ab51209ea7e27b64&repo_branch=master&parent_id=66666687399849b782b13
c9512fbb3b6
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "76629-1718767414372-27337",
  "result" : {
    "data" : [ {
      "domainId" : "09d2ca2f5080d5b60f51c00ae5666666",
      "region" : "region",
      "createdTime" : "2024-02-27 18:29:19",
      "createdUserId" : "09d2ca2ffd00d3c21ff8c00a4d666666",
      "createdUserName" : "test-user",
      "buildId" : "11236703da854239ab51209ea7666666",
      "buildName" : "maven1-23414517",
      "buildNo" : "20240227.3",
      "buildVersion" : "20240227.3",
      "buildUrl" : "https://localhost.com/codeci/project/1bbbdd388234492793eb1bf59e666666/codeci/detail/
workspace/11236703da854239ab51209ea7666666/3",
      "repoUrl" : "",
      "repoBranch" : "master",
      "commitId" : "66666683c1590363818225ec649d7cf161f0d49c",
      "projectId" : "1bbbdd388234492793eb1bf59e666666",
      "fileId" : "666666f9d76f405a8d503b841de02b51",
```

```
"repoName" : "region_1bbbdd388234492793eb1bf59e666666_generic_0",
"parentId" : "66666687399849b782b13c9512fbb3b6",
"fileName" : "HelloWorld.class",
"size" : 534,
"md5" : "e06fcae2912a318db12955f37cd9230b",
"sha256" : "96f5666537da969efee5f51f2969771b3743ada63fde57e42ad210c116ceedaf",
"downloadUrlWithId" : "https://localhost.com/DevRepoServer/v1/files/download?
file_id=666666f9d76f405a8d503b841de02b51&type=archive",
"webUrl" : "https://localhost.com/cloudartifact/project/1bbbdd388234492793eb1bf59e666666/private/
general?parentId=66666687399849b782b13c9512fbb3b6",
"versionEnable" : false,
"migratedState" : 2,
"repoSameTrashFileName" : "trash_e653c9f9d76f405a8d503b841666666"
} ],
"totalRecords" : 1,
"totalPages" : 1
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.3 Release Repos Details

4.3.1 Querying Auto Deleting Task Settings in a Project

Function

This API is used to query auto deleting task settings in a project.

Calling Method

For details, see [Calling APIs](#).

URI

GET /devreposerver/v5/release/{project_id}/auto-deletion/settings

Table 4-10 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-11 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

<https://localhost.com/devreposerver/v5/release/6666669620d743eca6a57881a0f006fd/auto-deletion/settings>

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "76629-1718852080645-39",
  "result" : {
    "is_schedule_to_trash" : true,
    "is_schedule_to_delete" : true,
    "file_expire_time" : 90,
    "trash_file_expire_time" : 66,
    "project_id" : "6666669620d743eca6a57881a0f006fd",
    "cleanRule" : {
      "skipAutoTrash" : {
        "packageCategory" : "prod",
```

```
    "paths" : [ "/a/b/c", "/d/d" ]  
  }  
}  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.4 Querying Files in Release Repos

4.4.1 Querying File Versions in a Project

Function

This API is used to query file versions in a project.

Calling Method

For details, see [Calling APIs](#).

URI

GET /v2/{project_id}/release/files

Table 4-12 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

Table 4-13 Query Parameters

Parameter	Mandatory	Type	Description
file_name	Yes	String	Definition File name used for fuzzy search. Constraints N/A. Range The value can contain 1 to 200 characters. Only letters, digits, underscores (_), hyphens (-), and periods (.) are supported. Default value N/A.
limit	No	Integer	Definition Number of records displayed on each page. Constraints N/A. Range 1-100 Default value 10
offset	No	Integer	Definition Start position of the pagination query. Constraints N/A. Range The value is greater than 0. Default value 0

Request Parameters

Table 4-14 Request header parameters

Parameter	Mandatory	Type	Description
x-auth-token	Yes	String	Definition User token (value of X-Subject-Token in the response header), which can be obtained by calling the IAM API. Constraints N/A. Range String length: 1–100,000 characters. Default value N/A.

Response Parameters

Status code: 200

Table 4-15 Response body parameters

Parameter	Type	Description
result	result object	Definition Returned information. Range N/A. Default value None

Table 4-16 result

Parameter	Type	Description
data	Array of ReleaseFileVersionDo objects	Definition List of results that match the search criteria. Range N/A. Default value None
total_records	Integer	Definition Total number of results that match the search criteria. Range 1-1000 Default value None
total_pages	Integer	Definition Total number of pages that match the search criteria. Range 1-10,000 Default value None

Table 4-17 ReleaseFileVersionDo

Parameter	Type	Description
version	String	Definition File version in release repos. Range A string of 0 to 100 characters. Default value None

Parameter	Type	Description
path	String	Definition File path in release repos. Range A string of 0 to 100 characters. Default value None
download_url	String	Definition File download link in release repos. Range A string of 0 to 10,000 characters. Default value None

Status code: 403

Table 4-18 Response body parameters

Parameter	Type	Description
error_code	String	Definition Error code. Range 200–599 Default value None
error_msg	String	Definition Error message. Range N/A. Default value None

Status code: 500

Table 4-19 Response body parameters

Parameter	Type	Description
error_code	String	Definition Error code. Range 200–599 Default value None
error_msg	String	Definition Error message. Range N/A. Default value None

Example Requests

[illegible]

Example Responses

Status code: 403

Forbidden

```
{
  "error_code": "CR.4102",
  "error_msg": "You do not have permissions on the project."
}
```

Status code: 500

Internal Error

```
{
  "error_code": "CR.5000",
  "error_msg": "Unknown service error."
}
```

Status Codes

Status Code	Description
200	OK
403	Forbidden
500	Internal Error

Error Codes

See [Error Codes](#).

4.5 Recycle Bin

4.5.1 Restoring Multiple Packages in the Recycle Bin

Function

This API is used to restore multiple packages in the recycle bin.

Calling Method

For details, see [Calling APIs](#).

URI

PUT /cloudartifact/v5/trashes

Request Parameters

Table 4-20 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of IDETrashArtifactModel objects	Recycle bin information.

Table 4-21 IDETrashArtifactModel

Parameter	Mandatory	Type	Description
id	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None
format	Yes	String	Definition Package type. Constraints N/A. Range maven2 , docker , npm , go , pypi , rpm , composer , debian , conan , nuget , docker2 , cocoapods , ohpm , and generic . Default value None

Parameter	Mandatory	Type	Description
status	Yes	String	Definition Current repository status. Constraints N/A. Range active: Normal. trash: Deprecated. delete: Deleted. Default value None
uri	Yes	String	Definition Repository path to be restored. Constraints N/A. Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-22 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).

Parameter	Type	Description
result	TrashcanResultData object	Definition Batch operation result. Range N/A.

Table 4-23 TrashcanResultData

Parameter	Type	Description
successNum	Integer	Definition Number of successful items. Range N/A.
failedNum	Integer	Definition Number of failed items. Range N/A.
failedMessages	Array of strings	Definition The failure cause. Range N/A.

Example Requests

This API is used to restore multiple packages in the recycle bin.

```
/v5/trashes
[ {
  "id" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",
  "format" : "go",
  "uri" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/",
  "status" : "active"
}, {
  "id" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23",
  "format" : "maven2",
  "uri" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23/",
  "status" : "active"
} ]
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
```

```
"trace_id" : "143002-1701173929284-59",  
"result" : null  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.5.2 Batch Moving Packages to the Recycle Bin

Function

This API is used to move packages to the recycle bin in batches.

Calling Method

For details, see [Calling APIs](#).

URI

DELETE /cloudartifact/v5/trashes

Request Parameters

Table 4-24 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of TrashArtifactModelForDelete objects	Recycle bin information.

Table 4-25 TrashArtifactModelForDelete

Parameter	Mandatory	Type	Description
id	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None
format	Yes	String	Definition Package type. Constraints N/A. Range maven2 , docker , npm , go , pypi , rpm , composer , debian , conan , nuget , docker2 , cocoapods , ohpm , and generic . Default value None

Parameter	Mandatory	Type	Description
uri	Yes	String	Definition Repository path to be deleted. Constraints N/A. Range N/A. Default value None
status	Yes	String	Definition Status. Constraints N/A. Range active: Normal. trash: Deprecated. delete: Deleted. Default value None
include_pattern	No	String	Definition Include Patterns. Constraints N/A. Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-26 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	TrashcanResultData object	Definition Batch operation result. Range N/A.

Table 4-27 TrashcanResultData

Parameter	Type	Description
successNum	Integer	Definition Number of successful items. Range N/A.
failedNum	Integer	Definition Number of failed items. Range N/A.
failedMessages	Array of strings	Definition The failure cause. Range N/A.

Example Requests

This API is used to move packages to the recycle bin in batches.

<https://artifact.example.myhuaweicloud.com/cloudartifact/v5/trashes>

[{

```
"id" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43",
"format" : "debian",
"uri" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/",
"status" : "active"
}, {
  "id" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",
  "format" : "go",
  "uri" : "xx-xxxxx-x_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](#).

4.6 Repository Management

4.6.1 Creating a Maven Repository

Function

This API is used to create a Maven repository.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/maven/repositories

Request Parameters

Table 4-28 Request body parameters

Parameter	Mandatory	Type	Description
repository_name	Yes	String	Definition Repository name. Constraints String length: 1–50 characters. Range N/A. Default value None
format	Yes	String	Definition Package type. Constraints N/A. Range maven2 Default value None
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None
release	No	String	Definition Release repository name. Constraints String length: 1–50 characters. Range N/A. Default value None

Parameter	Mandatory	Type	Description
snapshot	No	String	Definition Snapshot repository name. Constraints String length: 1-50 characters. Range N/A. Default value None
includes_pattern	No	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None
share_right	No	String	Definition Shared permissions. Constraints N/A. Range PROJECT Default value None

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
type	Yes	String	Definition Repository type. Constraints N/A. Range hosted : local repository Default value None

Response Parameters

Status code: 200

Table 4-29 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	CreateMavenRepoResult object	Definition Information about the created Maven repository. Range N/A.

Table 4-30 CreateMavenRepoResult

Parameter	Type	Description
release	String	Definition ID of the release repository. Range N/A.
snapshot	String	Definition ID of the snapshot repository. Range N/A.

Example Requests

This API is used to create a Maven repository.

```
https://artifact.example.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" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_201",
    "snapshot" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.2 Editing a Repository

Function

This API is used to edit a repository.

Calling Method

For details, see [Calling APIs](#).

URI

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

Table 4-31 Path Parameters

Parameter	Mandatory	Type	Description
tab_id	Yes	String	Definition: tab_id , ID of a pair of Maven repositories (release and snapshot). Constraints N/A. Range N/A. Default value N/A.

Request Parameters

Table 4-32 Request body parameters

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Definition Repository name. Constraints String length: 1–20 characters. Range N/A. Default value None
includes_pattern	Yes	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None
snapshot	No	String	Definition Snapshot repository name. Constraints String length: 1–20 characters. Range N/A. Default value None
release	No	String	Definition Release repository name. Constraints String length: 1–20 characters. Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-33 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	MavenTabRepo object	Definition Repository information. Range N/A.

Table 4-34 MavenTabRepo

Parameter	Type	Description
release	String	Definition Release repository name. Range N/A.
snapshot	String	Definition Snapshot repository name. Range N/A.

Example Requests

This API is used to edit a Maven repository.

`https://artifact.example.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": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_201",  
"snapshot": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201"  
}  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.3 Viewing Repository Information

Function

This API is used to view repository information.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/repositories/{repo_id}

Table 4-35 Path Parameters

Parameter	Mandatory	Type	Description
repo_id	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints N/A. Range The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-36 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	RepositoryDO object	Definition Repository information. Range N/A.

Table 4-37 RepositoryDO

Parameter	Type	Description
status	String	Definition Repository status. Range active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domainId	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.
createdTime	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.

Parameter	Type	Description
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
createdUserId	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Parameter	Type	Description
type	String	Definition Repository type. Range hosted : local repository remote : proxy repository virtual : virtual repository
policy	String	Definition Repository policies. Range release or snapshot
tabId	String	Definition tab_id is used to identify a pair of Maven repositories (Release and Snapshot). A tab_id indicates a pair of Maven repositories. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.
displayName	String	Definition Repository name displayed. Range N/A.
description	String	Definition Repository description. Range N/A.
snapshot	String	Definition Snapshot repository name. Either Release or Snapshot or both must be selected. Range N/A.

Parameter	Type	Description
release	String	Definition Release repository name. Either Release or Snapshot or both must be selected. Range N/A.
npm	String	Definition npm. Range N/A.
snapshotStatus	String	Definition Snapshot repository status. Range N/A.
releaseStatus	String	Definition Release repository status. Range N/A.
projectId	String	Definition Project ID. Range N/A.
includesPattern	String	Definition Include Patterns. Range N/A.
repositoryIds	Array of strings	Definition Repository ID list. Range N/A.
uri	String	Definition URI. Range N/A.

Parameter	Type	Description
deploymentPolicy	String	Definition Deployment policies. Range N/A.
repositories	Array of strings	Definition Repository list. Range N/A.
parentRepoName	String	Definition Parent repository name. Range N/A.
userName	String	Definition Username. Range N/A.
password	String	Definition Password. Range N/A.
remoteUrl	String	Definition Proxy repository address. Range N/A.
defaultDeployRe- pository	String	Definition Default repository. Range N/A.
remoteType	String	Definition Proxy repository type. Range public: public proxy repository customize: custom proxy repository

Parameter	Type	Description
proxy	String	Definition Proxy. Range N/A.
allowAnonymous	Boolean	Definition Anonymous download allowed or not. Range N/A.
autoCleanSnapshot	Boolean	Definition Automatic snapshot version clearing enabled or not. Range N/A.
snapshotAliveDays	String	Definition Validity period of a snapshot version, in days. Range N/A.
maxUniqueSnapshots	String	Definition Max. number of snapshots. Range N/A.
shareRight	String	Definition Shared permissions. Range PROJECT
nexuRepo	Boolean	Definition Nexus repository or not. Range N/A.
url	String	Definition Repository URL. Range N/A.

Parameter	Type	Description
packageType	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Example Requests

This API is used to view repository information.

```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/repositories/xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_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": "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_maven_1_201",
    "disable": false,
    "format": "maven2",
    "type": "hosted",
    "policy": null,
    "tabId": "5a775fdcb14f4431b6c0015618140bc3_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.xx-xxxxx-x.huawei.com/artgalaxy/xx-xxxxx-  
x_5a775fdb14f4431b6c0015618140bc3_maven_1_201/",  
"packageType" : "maven"  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.4 Creating a Docker Registry

Function

This API is used to create a Docker registry.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/repositories

Request Parameters

Table 4-38 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Definition Package type. Constraints N/A. Range Docker Default value None
display_name	Yes	String	Definition Repository display name. Constraints The value can contain up to 20 characters. Only letters, digits, underscores (_), hyphens (-), and periods (.) are supported. Range N/A. Default value None
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None

Parameter	Mandatory	Type	Description
type	Yes	String	Definition Repository type. Constraints N/A. Range hosted : local repository Default value None

Response Parameters

Status code: 200

Table 4-39 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to request example for creating a Docker registry.

```
/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" : null  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.5 Moving a Repository to the Recycle Bin

Function

This API is used to move a repository to the recycle bin.

Calling Method

For details, see [Calling APIs](#).

URI

DELETE /cloudartifact/v5/repositories

Request Parameters

Table 4-40 Request body parameters

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

Response Parameters

Status code: 200

Table 4-41 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to delete a repository.

```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/repositories
{
  "format" : "maven2",
  "repository_ids" : [ "xx-xxxx-x_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](#).

4.6.6 Querying the Maven Repository List and Account Password of a Tenant

Function

This API is used to query the Maven repository list and account password of a tenant. Cross-tenant Maven repository list and account password are supported.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/maven/info

Table 4-42 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID (CloudArtifact_api_0015.xml)</i> . Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
policy	No	String	Definition Repository type. The options are snapshot or release . Constraints N/A. Range snapshot and release Default value N/A.
access	No	String	Definition Permission filtering setting, which allows read (r) and read-write (rw) permissions. Constraints N/A. Range r and rw . Default value r .
default	No	String	Definition Whether to return the default repository. Constraints N/A. Range true and false . Default value false

Parameter	Mandatory	Type	Description
ids	No	String	Definition Repository IDs. Use commas (,) to separate multiple repository IDs. Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints N/A. Range Maximum length: 512 characters. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-43 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).

Parameter	Type	Description
result	Array of RepositoryBuildVO objects	Definition Maven repository list. Range N/A.

Table 4-44 RepositoryBuildVO

Parameter	Type	Description
username	String	Definition Account. Range N/A.
password	String	Definition Password. Range N/A.
status	String	Definition Repository status. Range active : Normal. delete : Deleted. disabled : Invalid. view : Viewer of self-hosted repos. trash : Deprecated.
domainId	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.

Parameter	Type	Description
createdTime	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
createdUserId	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.

Parameter	Type	Description
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
type	String	Definition Repository type. Range hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition Repository policies. Range release or snapshot
tabId	String	Definition tab_id is used to identify a pair of Maven repositories (Release and Snapshot). A tab_id indicates a pair of Maven repositories. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.
displayName	String	Definition Repository name displayed. Range N/A.
description	String	Definition Repository description. Range N/A.

Parameter	Type	Description
snapshot	String	Definition Snapshot repository name. Either Release or Snapshot or both must be selected. Range N/A.
release	String	Definition Release repository name. Either Release or Snapshot or both must be selected. Range N/A.
npm	String	Definition npm . Range N/A.
snapshotStatus	String	Definition Snapshot repository status. Range N/A.
releaseStatus	String	Definition Release repository status. Range N/A.
projectId	String	Definition Project ID. Range N/A.
includesPattern	String	Definition Include Patterns. Range N/A.
repositoryIds	Array of strings	Definition Repository ID list. Range N/A.

Parameter	Type	Description
uri	String	Definition URI. Range N/A.
deploymentPolicy	String	Definition Deployment policies. Range N/A.
repositories	Array of strings	Definition Repository list. Range N/A.
parentRepoName	String	Definition Parent repository name. Range N/A.
userName	String	Definition Username. Range N/A.
remoteUrl	String	Definition Proxy repository address. Range N/A.
defaultDeployRe- pository	String	Definition Default repository. Range N/A.
remoteType	String	Definition Proxy repository type. Range public: public proxy repository customize: custom proxy repository

Parameter	Type	Description
proxy	String	Definition Proxy. Range N/A.
allowAnonymous	Boolean	Definition Anonymous download allowed or not. Range N/A.
autoCleanSnapshot	Boolean	Definition Automatic snapshot version clearing enabled or not. Range N/A.
snapshotAliveDays	String	Definition Validity period of a snapshot version, in days. Range N/A.
maxUniqueSnapshots	String	Definition Max. number of snapshots. Range N/A.
shareRight	String	Definition Shared permissions. Range PROJECT
nexuRepo	Boolean	Definition Nexus repository or not. Range N/A.
url	String	Definition Repository URL. Range N/A.

Parameter	Type	Description
packageType	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Example Requests

This API is used to query the Maven repository list and account password of a tenant.

```
https://artifact.example.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": "xx-xxxxx-x",  
    "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": "xx-xxxxx-x_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": "***",  
    "remoteUrl": null,  
  }]
```



```
"defaultDeployRepository" : null,
"remoteType" : null,
"proxy" : null,
"allowAnonymous" : null,
"autoCleanSnapshot" : null,
"snapshotAliveDays" : null,
"maxUniqueSnapshots" : null,
"shareRight" : "PROJECT",
"nexuRepo" : false,
"username" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
"url" : "https://devrepo.devcloud.xx-xxxxx-x.huawei.com/artgalaxy/xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_5_120/",
"packageType" : "maven"
} ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.7 Creating a Non-Maven Repository

Function

This API is used to create a non-Maven repository.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/artifact/

Request Parameters

Table 4-45 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Definition Package type. Constraints N/A. Range docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic. Default value None
type	Yes	String	Definition Repository type. Constraints N/A. Range hosted: local repository Default value None
repository_name	Yes	String	Definition Repository name. Constraints String length: 1–50 characters. Range N/A. Default value None
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None

Parameter	Mandatory	Type	Description
includes_pattern	Yes	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
share_right	No	String	Definition Shared permissions. Constraints N/A. Range PROJECT Default value None

Response Parameters

Status code: 200

Table 4-46 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	CreateArtifactoryResult object	Definition Repository information. Range N/A.

Table 4-47 CreateArtifactoryResult

Parameter	Type	Description
artifactory	RepositoryDO object	Definition Repository information. Range N/A.

Table 4-48 RepositoryDO

Parameter	Type	Description
status	String	Definition Repository status. Range active : Normal. delete : Deleted. disabled : Invalid. view : Viewer of self-hosted repos. trash : Deprecated.

Parameter	Type	Description
domainId	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.
createdTime	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
createdUserId	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.

Parameter	Type	Description
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
type	String	Definition Repository type. Range hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition Repository policies. Range release or snapshot
tabId	String	Definition tab_id is used to identify a pair of Maven repositories (Release and Snapshot). A tab_id indicates a pair of Maven repositories. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.

Parameter	Type	Description
displayName	String	Definition Repository name displayed. Range N/A.
description	String	Definition Repository description. Range N/A.
snapshot	String	Definition Snapshot repository name. Either Release or Snapshot or both must be selected. Range N/A.
release	String	Definition Release repository name. Either Release or Snapshot or both must be selected. Range N/A.
npm	String	Definition npm . Range N/A.
snapshotStatus	String	Definition Snapshot repository status. Range N/A.
releaseStatus	String	Definition Release repository status. Range N/A.
projectId	String	Definition Project ID. Range N/A.

Parameter	Type	Description
includesPattern	String	Definition Include Patterns. Range N/A.
repositoryIds	Array of strings	Definition Repository ID list. Range N/A.
uri	String	Definition URI. Range N/A.
deploymentPolicy	String	Definition Deployment policies. Range N/A.
repositories	Array of strings	Definition Repository list. Range N/A.
parentRepoName	String	Definition Parent repository name. Range N/A.
userName	String	Definition Username. Range N/A.
password	String	Definition Password. Range N/A.
remoteUrl	String	Definition Proxy repository address. Range N/A.

Parameter	Type	Description
defaultDeployRepository	String	Definition Default repository. Range N/A.
remoteType	String	Definition Proxy repository type. Range public : public proxy repository customize : custom proxy repository
proxy	String	Definition Proxy. Range N/A.
allowAnonymous	Boolean	Definition Anonymous download allowed or not. Range N/A.
autoCleanSnapshot	Boolean	Definition Automatic snapshot version clearing enabled or not. Range N/A.
snapshotAliveDays	String	Definition Validity period of a snapshot version, in days. Range N/A.
maxUniqueSnapshots	String	Definition Max. number of snapshots. Range N/A.
shareRight	String	Definition Shared permissions. Range PROJECT

Parameter	Type	Description
nexuRepo	Boolean	Definition Nexus repository or not. Range N/A.
url	String	Definition Repository URL. Range N/A.
packageType	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Example Requests

This API is used to create a non-Maven repository.

```
https://artifact.example.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": "5a775fdcb14f4431b6c0015618140bc3",
      "region": "xx-xxxx-x",
      "createdTime": null,
      "modifiedTime": null,
      "createdUserId": "e9253deb37654775bb3c411aca89153a",
      "createdUserName": "devcloud_devcloud_y00226182_01",
      "modifiedUserId": "e9253deb37654775bb3c411aca89153a",
      "modifiedUserName": "devcloud_devcloud_y00226182_01",
    }
  }
}
```

```
"name" : "xx-xxxx-x_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.xx-xxxx-x.huawei.com/artgalaxy/api/pypi/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_41/",
"packageType" : "pypi"
}
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.8 Editing Non-Maven Repository Information

Function

This API is used to edit non-maven repository information.

Calling Method

For details, see [Calling APIs](#).

URI

PUT /cloudartifact/v5/artifact/

Request Parameters

Table 4-49 Request body parameters

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Definition Repository name. Constraints String length: 1–20 characters. Range N/A. Default value None
format	Yes	String	Definition Package type. Constraints N/A. Range docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic. Default value None
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None

Parameter	Mandatory	Type	Description
repository_ids	Yes	Array of strings	Definition Repository ID list. Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None
includes_pattern	Yes	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None

Parameter	Mandatory	Type	Description
deployment_policy	No	String	Definition Deployment policies. Constraints N/A. Range allowRedeploy : Overwriting is allowed. disableRedeploy : Overwriting is forbidden. readOnly : read-only. Default value None
auto_clean_snapshot	No	Boolean	Definition Auto snapshot cleanup. Constraints N/A. Range N/A. Default value None
snapshot_alive_days	No	String	Definition Snapshot storage duration. Constraints N/A. Range N/A. Default value None
max_unique_snapshots	No	String	Definition Maximum number of different snapshots. Constraints N/A. Range N/A. Default value None

Parameter	Mandatory	Type	Description
allow_anonymous	No	Boolean	Definition Anonymous access allowed or not. Constraints N/A. Range N/A. Default value N/A.
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-50 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to update a non-Maven repository.

```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/artifact/
{
  "repository_ids" : [ "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_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](#).

4.7 Repository Association

4.7.1 Querying Repositories Associated with Projects

Function

This API is used to query repositories associated with projects.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/maven/repository/list

Table 4-51 Query Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Request Parameters

None

Response Parameters

Status code: 200

Table 4-52 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Array of ShowProjectListResult objects	Definition Repository list. Range N/A.

Table 4-53 ShowProjectListResult

Parameter	Type	Description
id	String	Definition Sequence number. Range N/A.
name	String	Definition Repository ID. Range N/A.
description	String	Definition Repository description. Range N/A.
createdTime	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.

Parameter	Type	Description
createdUserId	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.
format	String	Definition Package type. Range maven2, docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic.
repoType	String	Definition Repository type. Range hosted: local repository remote: proxy repository virtual: virtual repository

Parameter	Type	Description
includesPattern	String	Definition Include Patterns. Range N/A.
excludesPattern	String	Definition Exclude Patterns. Range N/A.
url	String	Definition Repository URL. Range N/A.
storageSummaryInfo	String	Definition storageSummaryInfo. Range N/A.
projectId	String	Definition Project ID. Range N/A.
shareRight	String	Definition Shared permissions. Range PROJECT
deploymentPolicy	String	Definition Deployment policies. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.
displayName	String	Definition Repository display name. Range N/A.

Parameter	Type	Description
policy	String	Definition Repository policies. Range release and snapshot
tabId	String	Definition tab_id is used to identify a pair of Maven repositories (Release and Snapshot). A tab_id indicates a pair of Maven repositories. Range N/A.
status	String	Definition Repository status. Range active : Normal. delete : Deleted. disabled : Invalid. view : Viewer of self-hosted repos. trash : Deprecated.
domainId	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.
uri	String	Definition URI Range N/A.
disable	String	Definition Repository disabled or not. Range true : yes false : no

Parameter	Type	Description
packageType	String	Definition Package type. Range N/A.

Example Requests

This API is used to query repositories associated with projects.

```
https://artifact.example.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": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_11",
    "description": null,
    "createTime": "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.xx-xxxxx-x.huawei.com/artgalaxy/xx-xxxxx-
x_5a775fdb14f4431b6c0015618140bc3_maven_1_11/",
    "storageSummaryInfo": null,
    "projectId": null,
    "shareRight": null,
    "deploymentPolicy": null,
    "repositoryName": "maven-test-20220120",
    "displayName": "maven-test-20220120",
    "policy": "release",
    "tabId": "5a775fdb14f4431b6c0015618140bc3_tab_maven2_11",
    "status": "active",
    "domainId": "5a775fdb14f4431b6c0015618140bc3",
    "region": "xx-xxxxx-x",
    "uri": null,
    "disable": false,
    "packageType": "maven"
  } ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.7.2 Associating a Project with a Repository

Function

This API is used to associate a project with a repository.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/maven/project/repository

Request Parameters

Table 4-54 Request body parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID (CloudArtifact_api_0015.xml)</i> . Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
ids	No	Array of strings	Definition tab_id set. tab_id is used to mark a pair of Maven repositories (release and snapshot). Constraints A maximum of 100 tab_ids . Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-55 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to associate a project with a repository.


```
https://artifact.example.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](#).

4.8 Repository Capacity

4.8.1 Querying Repository Usage

Function

This API is used to query repository usage.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/storage

Table 4-56 Query Parameters

Parameter	Mandatory	Type	Description
format_list	No	String	Definition: Repository type list. Constraints N/A. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value N/A.
in_project	No	String	Definition: Whether it is in project or not. Constraints N/A. Range true: in the project. false: outside the project. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-57 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	StorageMap object	Definition Usage information. Range N/A.

Table 4-58 StorageMap

Parameter	Type	Description
totalStorage	String	Definition Storage size. Range N/A.
totalCount	Integer	Definition Number of files. Range N/A.

Example Requests

This API is used to query repository usage.

```
https://artifact.example.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](#).

4.9 Searching

4.9.1 Searching for Files Using Checksums

Function

This API is used to search for files using checksums.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/search/checksum

Table 4-59 Query Parameters

Parameter	Mandatory	Type	Description
checksum	Yes	String	Definition File checksums, which can be obtained from the General tab. The checksums can be MD5, SHA-1, SHA-256, or SHA-512 . Constraints N/A. Range Only letters and digits are supported. The character length can be 32, 40, 64, or 128. Default value N/A.

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1–2,147,483,647 Default value 1
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1–100 Default value 10
format	No	String	Definition Repository type. Constraints N/A. Range maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, and ohpm. Default value N/A.

Parameter	Mandatory	Type	Description
in_project	No	Boolean	Definition Whether the repository to query is in a project. If the value is true and project_id is specified, the queried repository is in a project. If project_id is not specified, the queried repository is outside of the project. If the value is false or not transferred, the repository data of the unassociated project of the current tenant is queried. Constraints N/A. Range true and false . Default value N/A.
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. This parameter is valid only when in_project is set to true . Range N/A. Default value None

Request Parameters

None

Response Parameters

Status code: 200

Table 4-60 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Array of ArtifactSearchResult objects	Definition File list. Range N/A.

Table 4-61 ArtifactSearchResult

Parameter	Type	Description
name	String	Definition File name. Range N/A.
relativePath	String	Definition Relative file path. Range N/A.
repo	String	Definition Repository ID. Range N/A.

Parameter	Type	Description
repoName	String	Definition Repository name. Range N/A.
displayName	String	Definition Display name. Range N/A.
repoType	String	Definition Package type. Range N/A.
createdBy	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
created	String	Definition Creation time. Range N/A.
modified	String	Definition Modification time. Range N/A.
oldRepold	String	Definition Old repository ID. Range N/A.

Example Requests

This API is used to search for files using checksums.


```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/search/checksum?  
checksum=eb05a9df1e3403a5f54e03de073a6ce6&page_no=1&page_size=10&in_project=true&project_id=e2e  
e90487d6349dd944a5767225f6f55&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": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_40",  
    "repoName": "testpypi",  
    "displayName": null,  
    "oldRepold": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_40",  
    "repoType": "pypi"  
  } ]  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.9.2 Advanced Search

Function

Advanced search.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/tree/repos/artifacts

Request Parameters

Table 4-62 Request body parameters

Parameter	Mandatory	Type	Description
artifact_name	Yes	String	Definition Search by artifact name. Constraints Maximum length: 200 characters. Range N/A. Default value None
artifact_type	No	String	Definition Package type. Constraints N/A. Range maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, and ohpm. Default value N/A.
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1-2,147,483,647 Default value 1

Parameter	Mandatory	Type	Description
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1-100 Default value 10
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. This parameter is valid only when in_project is set to true . Range N/A. Default value None

Parameter	Mandatory	Type	Description
in_project	No	Boolean	Definition Whether the repository to query is in a project. If the value is true and project_id is specified, the queried repository is in a project. If project_id is not specified, the queried repository is outside of the project. If the value is false or not transferred, the repository data of the unassociated project of the current tenant is queried. Constraints N/A. Range true and false . Default value N/A.

Response Parameters

Status code: 200

Table 4-63 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	SearchArtifacts-Result object	Definition File list. Range N/A.

Table 4-64 SearchArtifactsResult

Parameter	Type	Description
artifacts	Array of ArtifactSearchResult objects	Definition File list. Range N/A.

Table 4-65 ArtifactSearchResult

Parameter	Type	Description
name	String	Definition File name. Range N/A.
relativePath	String	Definition Relative file path. Range N/A.
repo	String	Definition Repository ID. Range N/A.
repoName	String	Definition Repository name. Range N/A.
displayName	String	Definition Display name. Range N/A.
repoType	String	Definition Package type. Range N/A.

Parameter	Type	Description
createdBy	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
created	String	Definition Creation time. Range N/A.
modified	String	Definition Modification time. Range N/A.
oldRepold	String	Definition Old repository ID. Range N/A.

Example Requests

Advanced search.

<https://artifact.example.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" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",  
  "createdUserName" : "devcloud_devcloud_y00226182_01",  
  "created" : "1701220753711",  
  "modified" : "2023-11-29T09:19:13.711+08:00",  
  "repo" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_40",  
  "repoName" : "testpypi",  
  "displayName" : null,  
  "oldRepod" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_40",  
  "repoType" : "pypi"  
} ]  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10 User Management

4.10.1 Resetting a User Password

Function

This API is used to reset a user password.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/maven/users/me

Request Parameters

None

Response Parameters

Status code: 200

Table 4-66 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to reset a user password.

<https://artifact.example.myhuaweicloud.com/cloudartifact/v5/maven/users/me>

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701244804975-630",
  "result": {
    "status": 0,
    "domainId": "5a775fdbcb14f4431b6c0015618140bc3",
    "region": "xx-xxxx-x",
    "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": "5a775fdbcb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
    "repoNumber": 58,
    "innerRepoUserName": "xx-xxxx-x_5a775fdbcb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a"
  }
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.11 Repository Details

4.11.1 Skipping the Number of Artifacts in the Repository When Querying Repository Details

Function

This API is used to skip the number of artifacts in the repository when querying repository details.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/{tenant_id}/{project_id}/repositories

Table 4-67 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Definition Tenant ID. Constraints The value can contain 8 to 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Table 4-68 Query Parameters

Parameter	Mandatory	Type	Description
group_id	No	String	Definition: User group ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1–2,147,483,647 Default value 1

Parameter	Mandatory	Type	Description
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1–100 Default value 10
sort	No	String	Definition: Sorting type. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.
qname	No	String	Definition: Query content. Constraints String length: 1–50 characters. Range N/A. Default value N/A.
type	No	String	Definition: Repository type. Constraints N/A. Range hosted, local, virtual, remote, and proxy. Default value N/A.

Parameter	Mandatory	Type	Description
format	No	String	Definition: Package type. For example, maven2, docker, conan, debian, and go. Only one type can be specified. Constraints N/A. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value N/A.
format_list	No	String	Definition: Package types. You can specify multiple types. Use commas (,) to separate them. Constraints N/A. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value N/A.
is_recycle_bin	No	Boolean	Definition: Whether the repository is in the recycle bin. Constraints N/A. Range true: query the repositories in the recycle bin. false: query repositories in the active state. Default value N/A.

Parameter	Mandatory	Type	Description
is_need_paging	No	Boolean	Definition: Pagination required or not. Constraints N/A. Range true : Pagination is required. false : Pagination is not required. Default value N/A.
in_project	No	Boolean	Whether it is in project or not. Constraints N/A. Range true : in the project. false : not in the project. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-69 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success : The request is successful. error : The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	ListAllRepositoriesResult object	Definition Repository details. Range N/A.

Table 4-70 ListAllRepositoriesResult

Parameter	Type	Description
total	Integer	Definition Total number. Range N/A.
repositories	Array of RepositoryBasicDO objects	Definition Repository details list. Range N/A.

Table 4-71 RepositoryBasicDO

Parameter	Type	Description
id	String	Definition id. Range N/A.

Parameter	Type	Description
status	String	Definition Repository status. Range active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domainId	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.
createdTime	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
createdUserId	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.

Parameter	Type	Description
modifiedUserId	String	Definition Modifier ID. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
repoType	String	Definition Repository type. Range hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition Repository policies. Range release or snapshot

Parameter	Type	Description
tabId	String	Definition tab_id is used to identify a pair of Maven repositories (Release and Snapshot). A tab_id indicates a pair of Maven repositories. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.
displayName	String	Definition Repository name displayed. Range N/A.
description	String	Definition Repository description. Range N/A.
projectId	String	Definition Project ID. Range N/A.
includesPattern	String	Definition Include Patterns. Range N/A.
deploymentPolicy	String	Definition Deployment policies. Range N/A.
shareRight	String	Definition Shared permissions. Range PROJECT

Parameter	Type	Description
url	String	Definition Repository URL. Range N/A.
packageType	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
storageSummaryInfo	DownloadFolderInfo object	Definition Storage information. Range N/A.

Table 4-72 DownloadFolderInfo

Parameter	Type	Description
filesCount	Long	Definition Total number of files. Range N/A.
usedSpace	String	Definition Occupied space. Range N/A.

Example Requests

This API is used to skip the number of artifacts in the repository when querying repository details.

```
https://artifact.example.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,conan,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": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_conan_5",
      "description": "1,0",
      "createTime": "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.xx-xxxx-x.huawei.com/artgalaxy/api/conan/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_conan_5/",
      "storageSummaryInfo": null,
      "projectId": null,
      "shareRight": null,
      "deploymentPolicy": null,
      "repositoryName": "5465653",
      "displayName": null,
      "policy": null,
      "tabId": null,
      "status": "active",
      "domainId": "5a775fdb14f4431b6c0015618140bc3",
      "region": "xx-xxxx-x",
      "uri": null,
      "disable": false,
      "packageType": "conan"
    }, {
      "id": null,
      "name": "xx-xxxx-x_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.xx-xxxx-x.huawei.com/artgalaxy/api/conan/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_conan_6/",
      "storageSummaryInfo": null,
      "projectId": null,
      "shareRight": null,
      "deploymentPolicy": null,
      "repositoryName": "12321",
      "displayName": null,
      "policy": null,
      "tabId": null,
      "status": "active",
      "domainId": "5a775fdb14f4431b6c0015618140bc3",
      "region": "xx-xxxx-x",
      "uri": null,
      "disable": false,
      "packageType": "conan"
    }
  ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.11.2 Collecting Number of Artifacts in Repository When Querying Details about Repository

Function

This API is used to collect the number of artifacts in the repository when querying details about a repository.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/{tenant_id}/{project_id}/{repo_id}/repositories

Table 4-73 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Definition Tenant ID. Constraints The value can contain 8 to 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
repo_id	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None

Table 4-74 Query Parameters

Parameter	Mandatory	Type	Description
region	Yes	String	Definition Area. Constraints N/A. Range N/A. Default value None
path	No	String	Definition Query path. Constraints Maximum length: 1,280 Range N/A. Default value None

Request Parameters

None

Response Parameters

Status code: 200

Table 4-75 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).

Parameter	Type	Description
result	RepositoryBasicDO object	Definition Repository details. Range N/A.

Table 4-76 RepositoryBasicDO

Parameter	Type	Description
id	String	Definition id. Range N/A.
status	String	Definition Repository status. Range active : Normal. delete : Deleted. disabled : Invalid. view : Viewer of self-hosted repos. trash : Deprecated.
domainId	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.
createTime	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.

Parameter	Type	Description
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
createdUserId	String	Definition Creator ID. Range N/A.
createdUserName	String	Definition Creator name. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Parameter	Type	Description
repoType	String	Definition Repository type. Range hosted : local repository remote : proxy repository virtual : virtual repository
policy	String	Definition Repository policies. Range release or snapshot
tabId	String	Definition tab_id is used to identify a pair of Maven repositories (Release and Snapshot). A tab_id indicates a pair of Maven repositories. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.
displayName	String	Definition Repository name displayed. Range N/A.
description	String	Definition Repository description. Range N/A.
projectId	String	Definition Project ID. Range N/A.
includesPattern	String	Definition Include Patterns. Range N/A.

Parameter	Type	Description
deploymentPolicy	String	Definition Deployment policies. Range N/A.
shareRight	String	Definition Shared permissions. Range PROJECT
url	String	Definition Repository URL. Range N/A.
packageType	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
storageSummaryInfo	DownloadFolderInfo object	Definition Storage information. Range N/A.

Table 4-77 DownloadFolderInfo

Parameter	Type	Description
filesCount	Long	Definition Total number of files. Range N/A.
usedSpace	String	Definition Occupied space. Range N/A.

Example Requests

This API is used to collect the number of artifacts in the repository when querying details about a repository.

```
https://artifact.example.myhuaweicloud.com/  
cloudartifact/v5/5a775fdb14f4431b6c0015618140bc3/035a1e9da3074adfb57acd1da494d736/xx-xxxxx-  
x_5a775fdb14f4431b6c0015618140bc3_conan_8/repositories?region=xx-xxxxx-x
```

Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701221877267-423",  
  "result": {  
    "id": null,  
    "name": "xx-xxxxx-x_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": "xx-xxxxx-x",  
    "uri": null,  
    "disable": false,  
    "packageType": "conan"  
  }  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.11.3 Querying the Storage Capacity Trend

Function

This API is used to query the storage capacity trend.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/{tenant_id}/{project_id}/storageinfo/statistic

Table 4-78 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Definition Tenant ID. Constraints The value can contain 8 to 32 characters. Only letters and digits are supported. Range N/A. Default value N/A.
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID (CloudArtifact_api_0015.xml)</i> . Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Table 4-79 Query Parameters

Parameter	Mandatory	Type	Description
repo	No	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None
start_time	No	String	Definition Start time. Constraints <i>yyyy-MM-dd</i> format. Range N/A. Default value None
end_time	No	String	Definition End time. Constraints <i>yyyy-MM-dd</i> format. Range N/A. Default value None

Parameter	Mandatory	Type	Description
instance_id	No	String	Definition: Instance ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-80 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Array of StorageStatistic-DO objects	Definition Storage capacity data. Range N/A.

Table 4-81 StorageStatisticDO

Parameter	Type	Description
filesCount	Long	Definition Total number of files. Range N/A.
usedSpaceLength	Long	Definition Occupied space (in bytes). Range N/A.
usedSpace	String	Definition Occupied space. Range N/A.
summaryDate	String	Definition Statistics date. Range N/A.
foldersCount	Long	Definition Total folders. Range N/A.
itemsCount	Long	Definition Total number of files and folders. Range N/A.

Example Requests

This API is used to query the storage capacity trend.

```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/storageinfo/statistic?start_time=2023-11-22&end_time=2023-11-28&repo=xx-xxxxx-x_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](#).

4.12 Audit Logs

4.12.1 Querying Audit Logs about a Repository or File

Function

This API is used to query audit logs about a repository or file.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/{tenant_id}/{project_id}/{module}/{repo}/audit

Table 4-82 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Definition Tenant ID. Constraints The value can contain 8 to 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
module	Yes	String	Definition Module. Constraints N/A. Range file repository Default value None

Parameter	Mandatory	Type	Description
repo	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm, go, pypi, rpm, composer, maven, debian, conan, nuget, docker2, cocoapods, and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None

Table 4-83 Query Parameters

Parameter	Mandatory	Type	Description
user_id	No	String	Definition User ID. Constraints N/A. Range N/A. Default value None

Parameter	Mandatory	Type	Description
instance_id	No	String	Definition Instance ID. Constraints N/A. Range N/A. Default value None
page_num	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1-2,147,483,647 Default value 1
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1-100 Default value 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-84 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	AuditResult object	Definition Audit log information. Range N/A.

Table 4-85 AuditResult

Parameter	Type	Description
auditInfoList	Array of AuditDO objects	Definition Audit log list. Range N/A.
total	Integer	Definition Number of audit logs. Range N/A.

Table 4-86 AuditDO

Parameter	Type	Description
id	String	Definition Operation ID. Range N/A. id

Parameter	Type	Description
module	String	Definition Operation module. Range N/A.
operation	String	Definition Operation type. Range N/A.
time	String	Definition Operation time. Range N/A.
info	String	Definition Operation information. Range N/A.
data	String	Definition Operation data. Range N/A.
reason	String	Definition Cause. Range N/A.
userAgent	String	Definition Client type of the operator. Range N/A.
operator	String	Definition Operator. Range N/A.
operatorNickName	String	Definition Operator name. Range N/A.

Parameter	Type	Description
operatorTenantName	String	Definition Tenant name of the operator. Range N/A.
ipSource	String	Definition IP address of the operator. Range N/A.

Example Requests

This API is used to query audit logs about a repository or file.

```
https://artifact.example.myhuaweicloud.com/  
cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/file/xx-  
xxxx-x_5a775fdb14f4431b6c0015618140bc3_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": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_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](#).

4.13 Favoriting

4.13.1 Favoriting/Unfavoriting Packages

Function

This API is used to favorite and unfavorite packages.

Calling Method

For details, see [Calling APIs](#).

URI

POST /cloudartifact/v5/attention

Request Parameters

Table 4-87 Request body parameters

Parameter	Mandatory	Type	Description
attention	Yes	String	This API is used to favorite and unfavorite packages.
ids	Yes	Array of strings	Component ID list.
format	No	String	Format.

Response Parameters

Status code: 200

Table 4-88 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to favorite and unfavorite packages.

```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/attention
```

```
{
  "format" : "npm",
  "attention" : "0",
  "ids" : [ "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1.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](#).

4.13.2 Querying My Favorites

Function

This API is used to query my favorites.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/attention/artifacts

Table 4-89 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1–2,147,483,647 Default value 1

Parameter	Mandatory	Type	Description
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1-100 Default value 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-90 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	ListAttentionPageResult object	Definition My favorites. Range N/A.

Table 4-91 ListAttentionPageResult

Parameter	Type	Description
totalRecords	Integer	Definition Total number of records. Range N/A.
totalPages	Integer	Definition Total number of pages. Range N/A.
data	Array of ListAttentionResult objects	Definition My favorites. Range N/A.

Table 4-92 ListAttentionResult

Parameter	Type	Description
id	String	Definition Sequence number. Range N/A.
domainId	String	Definition Tenant ID. Range N/A.
repositoryId	String	Definition Repository ID. Range N/A.
repositoryName	String	Definition Repository name. Range N/A.

Parameter	Type	Description
format	String	Definition Package type. Range maven2, docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic.
policy	String	Definition Repository policies. Range release and snapshot
artifactId	String	Definition Sequence number of the component to be favorited. Range N/A.
path	String	Definition Path of the component to be favorited. Range N/A.
modifiedUserName	String	Definition Modifier name. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
userId	String	Definition User ID. Range N/A.
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.

Parameter	Type	Description
region	String	Definition Area. Range N/A.

Example Requests

This API is used to query my favorites.

```
https://artifact.example.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": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108",
      "repositoryName": "maven1",
      "format": "maven2",
      "policy": "release",
      "artifactId": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar",
      "path": "xx-xxxxx-x_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": "xx-xxxxx-x"
    } ],
    "totalRecords": 1,
    "totalPages": 1
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14 File Management

4.14.1 Querying the Repository Folder Directory

Function

This API is used to query the repository folder directory.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/{tenant_id}/{project_id}/{repo_name}/file-tree

Table 4-93 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Definition Tenant ID. Constraints The value can contain 8 to 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
repo_name	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Range N/A. Default value None

Table 4-94 Query Parameters

Parameter	Mandatory	Type	Description
path	Yes	String	Definition Path of the directory to be queried. Constraints Mandatory. The maximum length is 1,280 characters. Range N/A. Default value N/A.
instance_id	No	String	Definition Instance ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.
is_recycle_bin	No	Boolean	Definition Whether to query files in the recycle bin. Constraints N/A. Range true : query the recycle bin list of a repository. false : query the directory list of a repository. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-95 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	ShowFileTreeResult object	Definition Repository directory information. Range N/A.

Table 4-96 ShowFileTreeResult

Parameter	Type	Description
uploadAccess	String	Definition Upload permission. Range true: with permission. false: without permission.
total	String	Definition Total number. Range N/A.
uri	String	Definition Parent path. Range N/A.
created	String	Definition Creation time. Range N/A.

Parameter	Type	Description
children	Array of children objects	Definition Information about a subfile or subfolder. Range N/A.

Table 4-97 children

Parameter	Type	Description
name	String	Definition Name of a file or folder. Range N/A.
uri	String	Definition Access address. Range N/A.
path	String	Definition Path. Range N/A.
modified	String	Definition Update time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
folder	Boolean	Definition Folder or not. Range true : folder. false : file.
modified_by	String	Definition Modifier. Range N/A.

Parameter	Type	Description
has_child	Boolean	Definition Whether a lower layer exists. Range true: yes false: no

Example Requests

This API is used to query the repository folder directory.

```
https://artifact.example.myhuaweicloud.com/  
cloudartifact/v5/00000000000000000000000000000000/11111111111111111111111111111111/xx-xxxx-  
x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/file-tree?path=/&is_recycle_bin=true
```

Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701223028671-441",  
  "result": {  
    "children": [ {  
      "name": "1",  
      "uri": "https://cloudartifacts-backend.xx-xxxx-x.myhuaweicloud.com/artgalaxy/api/storage/auto-  
trashcan/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1",  
      "path": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1",  
      "modified": "2023-11-29 09:56:51",  
      "folder": true,  
      "display_size": null,  
      "modified_by": "devcloud_devcloud_y00226182_01",  
      "has_child": "true"  
    } ],  
    "uploadAccess": false,  
    "total": 1,  
    "uri": "/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108",  
    "created": "2023-11-29T09:56:51.349+08:00"  
  }  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.2 Querying Repository File Details

Function

This API is used to query repository file details.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v5/{tenant_id}/{project_id}/{repo_name}/file-detail

Table 4-98 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Definition Tenant ID. Constraints The value can contain 8 to 32 characters. Only letters and digits are supported. Range N/A. Default value None
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID (CloudArtifact_api_0015.xml)</i> . Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Definition Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints N/A. Range The region and domainId in the repository ID must be valid values. The valid values of format are npm , go , pypi , rpm , composer , maven , debian , conan , nuget , docker2 , cocoapods , and ohpm . The upper limit of sequence varies depending on the package. Default value N/A.

Table 4-99 Query Parameters

Parameter	Mandatory	Type	Description
path	Yes	String	Definition Path of the file to be queried. Constraints Mandatory. The maximum length is 1,280 characters. Range N/A. Default value N/A.

Parameter	Mandatory	Type	Description
format	Yes	String	Definition Package type. Constraints Mandatory. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value N/A.
instance_id	No	String	Definition: Instance ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-100 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	result object	Definition File details. Range N/A.

Table 4-101 result

Parameter	Type	Description
repo	String	Definition Repository ID. Range N/A.
path	String	Definition File path. Range N/A.
name	String	Definition File name. Range N/A.
created	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
createdBy	String	Definition Creator. Range N/A.

Parameter	Type	Description
lastModified	String	Definition Last modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
lastUpdated	String	Definition Last modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modifiedBy	String	Definition Modifier. Range N/A.
uri	String	Definition Access address. Range N/A.
downloadUri	String	Definition Download URL. Range N/A.
size	String	Definition File size. Range N/A.
attention	String	Definition Favorited or not. Range 1 : favorited. 0 : not favorited.
checksums	checksums object	Definition Checksums. Range N/A.

Parameter	Type	Description
downloadInfo	downloadInfo object	Definition Download information. Range N/A.
gavDisplay	gavDisplay object	Definition Coordinates. Range N/A.
originalChecksums	Object	Definition Checksums. Range N/A.
displayName	String	Definition Display name. Range N/A.
display_size	String	Definition Display size. Range N/A.

Table 4-102 checksums

Parameter	Type	Description
sha512	String	Definition SHA-512 checksum. Range N/A.
sha256	String	Definition SHA-256 checksum. Range N/A.
sha1	String	Definition SHA-1 checksum. Range N/A.

Parameter	Type	Description
md5	String	Definition MD5 checksum. Range N/A.

Table 4-103 downloadInfo

Parameter	Type	Description
uri	String	Definition File path. Range N/A.
downloadCount	Long	Definition Download times. Range N/A.
lastDownloaded	Long	Definition Last download time. Range N/A.
remoteDownload Count	Long	Definition Number of remote downloads. Range N/A.
remoteLastDownl oaded	Long	Definition Remote download time. Range N/A.
lastDownloadedB y	String	Definition Last downloaded by. Range N/A.

Table 4-104 gavDisplay

Parameter	Type	Description
gavlInfo	String	Definition Coordinates. Range N/A.
configInfo	String	Definition Configuration information. Range N/A.

Example Requests

This API is used to query repository file details.

```
https://{URL}/  
cloudartifact/v5/00000000000000000000000000000000/11111111111111111111111111111111/  
xxxx-1_xxxxxxxxxxxxxxxxxxxx_go_1/file-detail?path=/up/up/  
9Hn1036zgQqL4G805Ufb43H4s1t984&format=go
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701223197469-447",
  "result": {
    "repo": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19",
    "path": "/up/up/9Hn1036zgQqL4G805Ufb43H4s1t984",
    "name": "9Hn1036zgQqL4G805Ufb43H4s1t984",
    "created": "2023-11-14 19:29:46",
    "createdBy": "devcloud_devcloud_y00226182_01",
    "lastModified": "2023-11-14 19:29:46",
    "lastUpdated": "2023-11-14 19:29:46",
    "modifiedBy": "devcloud_devcloud_y00226182_01",
    "uri": "https://cloudartifacts-backend.xx-xxxx-x.myhuaweicloud.com/artgalaxy/api/storage/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19/up/up/9Hn1036zgQqL4G805Ufb43H4s1t984",
    "downloadUri": "https://cloudartifacts-backend.xx-xxxx-x.myhuaweicloud.com/artgalaxy/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19/up/up/9Hn1036zgQqL4G805Ufb43H4s1t984",
    "mimeType": null,
    "size": "1056",
    "attention": "0",
    "checksums": {
      "sha512": "86b14ee38fbee9b33184b018dd7740c75acb994292a2f71db7af9952ecb7676fe759cfc3207ab4d5b7f76252c0e3a6683c00e7c0af3cb73282ee05a5441e72c",
      "sha256": "806f31bccdf84d133de1b307834e7f4f07810b4f5204bd449ce088c051513a4",
      "sha1": "20691eee689efdf42e926b52b6f84c51439ab054",
      "md5": "af5b0888060bcdabc8a5440251556461"
    }
  },
  "packageName": null,
  "version": null,
  "groupId": null,
  "artifactId": null
}
```

```
"properties" : null,
"downloadInfo" : {
  "uri" : "https://cloudartifacts-backend.xx-xxxxx-x.myhuaweicloud.com/artgalaxy/api/storage/xx-xxxxx-
x_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](#).

4.14.3 Deleting Non-Maven Files

Function

This API is used to delete non-Maven files.

Calling Method

For details, see [Calling APIs](#).

URI

DELETE /cloudartifact/v5/file

Request Parameters

Table 4-105 Request body parameters

Parameter	Mandatory	Type	Description
path	Yes	String	File path.

Response Parameters

Status code: 200

Table 4-106 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Example Requests

This API is used to delete non-Maven files.

```
https://artifact.example.myhuaweicloud.com/cloudartifact/v5/file
{
  "path" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19/down/down/
GOR7zo553IL44l063cdVKui7n58078"
}
```

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](#).

4.15 Viewing Permissions

4.15.1 Querying User Permissions in a Project

Function

This API is used to query permissions of a user for a project.

Calling Method

For details, see [Calling APIs](#).

URI

GET /cloudartifact/v3/user/{project_id}/privileges

Table 4-107 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None

Request Parameters

None

Response Parameters

Status code: 200

Table 4-108 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
traceld	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).

Parameter	Type	Description
result	result object	Definition Response of the request. The return value varies according to the API. Range The value range varies according to the API.

Table 4-109 result

Parameter	Type	Description
operations	String	Definition Operation list. Range Strings separated by commas (,).
operationsIndex	Array of integers	Definition Operation sequence number. Range Number.
role_id	String	Definition Role ID. Range Max. 32 characters, including letters and digits.
role_name	String	Definition Role name (EN). Range Project manager, Product manager, Test manager, Operation manager, System engineer, Committer, Developer, Tester, Participant, Viewer, and custom roles.
role_chinese_name	String	Definition Role name (CN) Range Project manager, Product manager, Test manager, Operation manager, System engineer, Committer, Developer, Tester, Participant, Viewer, and custom roles.

Parameter	Type	Description
project_id	String	Project ID. Range Max. 32 characters, including letters and digits.
area_service_id	String	Definition Area service ID. Range Max. 32 characters, including letters and digits.
granted_object_path	String	Definition Authorization object path. Range The value can contain letters, digits, slashes (/), and asterisks (*).
granted_object_type_id	String	Definition Authorization object type ID. Range Max. 32 characters, including letters and digits.

Example Requests

https://{endpoint}/cloudartifact/v3/user/6666669620d743eca6a57881a0f006fd/privileges

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "traceId": "143006-1700618253925-55",
  "result": {
    "operations": "editRepository,restore,physicdelete,clearall",
    "operationsIndex": [ 2, 4, 5, 7 ],
    "role_id": "ca9615b14a794146ad1ff3ad9ba79666,",
    "role_name": "Developer,",
    "role_chinese_name": "Developer",
    "project_id": "bef3419620d743eca6a57881a0f00666,",
    "area_service_id": "c0ec24a435a640728b07785d882cf666,",
    "granted_object_path": "/xxx/aaa/bbb/*,",
    "granted_object_type_id": "f9fa2e8207254e14a7a0b1fa99ce9666"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.16 Querying Files in the Release Repos

4.16.1 Obtaining the File Version List in a Project (to Be Brought Offline)

Function

Obtain the file version list in a project (to be brought offline).

Calling Method

For details, see [Calling APIs](#).

URI

GET /devreposerver/v2/release/{project_id}/files

Table 4-110 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID, which uniquely identifies a CodeArts Req project. The value is the same as that of project_id in the URL https://{host}/cloudartifact/project/{project_id}/repository on the list page of self-hosted repos. Constraints: N/A Value range: The value can contain 1 to 32 characters. Only lowercase letters and digits are supported. Default value: N/A

Table 4-111 Query Parameters

Parameter	Mandatory	Type	Description
file_name	Yes	String	Definition: File name used for fuzzy search. Constraints: N/A Value range: The value can contain 1 to 200 characters. Only letters, digits, underscores (_), hyphens (-), and periods (.) are supported. Default value: N/A

Parameter	Mandatory	Type	Description
limit	No	Integer	Definition: Number of records displayed on each page. Constraints: N/A Value range: 1–100 Default value: 10
offset	No	Integer	Definition: Start position of the pagination query. Constraints: N/A Value range: Greater than 0 Default value: 0

Request Parameters

Table 4-112 Request header parameters

Parameter	Mandatory	Type	Description
x-auth-token	Yes	String	Definition: User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Constraints: N/A Value range: A string of 1 to 100,000 characters. Default value: N/A

Response Parameters

Status code: 200

Table 4-113 Response body parameters

Parameter	Type	Description
result	result object	Definition Returned information. Range N/A. Default value None

Table 4-114 result

Parameter	Type	Description
data	Array of ReleaseFileVersionDo objects	Definition List of results that match the search criteria. Range N/A. Default value None
total_records	Integer	Definition Total number of results that match the search criteria. Range 1-1000 Default value None
total_pages	Integer	Definition Total number of pages that match the search criteria. Range 1-10,000 Default value None

Table 4-115 ReleaseFileVersionDo

Parameter	Type	Description
version	String	Definition File version in release repos. Range A string of 0 to 100 characters. Default value None
path	String	Definition File path in release repos. Range A string of 0 to 100 characters. Default value None
download_url	String	Definition File download link in release repos. Range A string of 0 to 10,000 characters. Default value None

Status code: 403

Table 4-116 Response body parameters

Parameter	Type	Description
error_code	String	Definition Error code. Range 200–599 Default value None
error_msg	String	Definition Error message. Range N/A. Default value None

Status code: 500

Table 4-117 Response body parameters

Parameter	Type	Description
error_code	String	Definition Error code. Range 200–599 Default value None
error_msg	String	Definition Error message. Range N/A. Default value None

Example Requests

[illegible]

Example Responses

Status code: 403

Forbidden

```
{
  "error_code": "CR.4102",
  "error_msg": "You do not have permissions on the project."
}
```

Status code: 500

Internal Error

```
{
  "error_code": "CR.5000",
  "error_msg": "Unknown service error."
}
```

Status Codes

Status Code	Description
200	OK
403	Forbidden

Status Code	Description
500	Internal Error

Error Codes

See [Error Codes](#).

5 Appendix

5.1 Status Codes

Table 5-1 Status codes

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 GET and POST 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. 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 is no longer available. 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 Retry-After 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 Expect request header field.
422	UnprocessableEntity	The request is well-formed but is unable to be processed due to semantic errors.

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 Retry-After 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

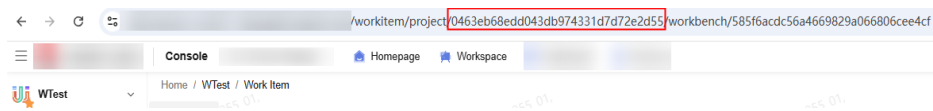
Status Code	Error Codes	Error Message	Description	Solution
403	CR.4102	You do not have permissions on the project.	You do not have permissions on the project.	Please contact the project administrator
500	CR.5000	Unknown service error.	Unknown service error.	Please contact customer service.

5.3 Obtaining a Project ID

5.3.1 Obtaining a CodeArts Project ID

Obtaining a Project ID from a URL

- Step 1** [Log in to the Huawei Cloud console](#) with your Huawei Cloud account.
- Step 2** Click  in the upper-left corner and choose **Developer Services > CodeArts** from the service list.
- Step 3** Click **Workspace** in the upper-right corner.
- Step 4** Go to the specified project. In the following figure, the content in the red box is the CodeArts project ID.



----End

5.3.2 Obtaining an IAM Project ID

Obtaining a Project ID by Calling an API

A project ID can also be obtained by calling a specific API. For details, see [Querying Project Information](#).

The API for obtaining an IAM project ID is **GET https://{Endpoint}/v3/projects**, where *{Endpoint}* indicates the IAM endpoint. You can obtain the IAM endpoint from [Regions and Endpoints](#). For details about API authentication, see [Authentication](#).

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

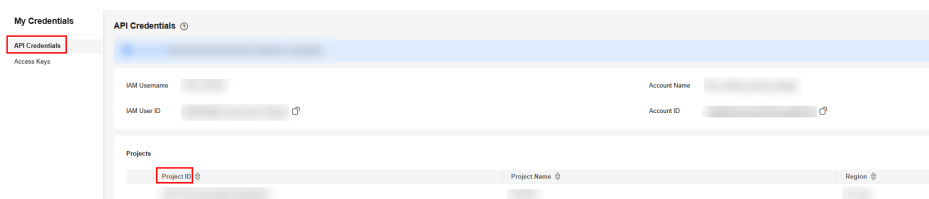
```
{
  "projects": [
    {
      "domain_id": "65382450e8f64ac0870cd180d14e684b",
      "is_domain": false,
      "parent_id": "65382450e8f64ac0870cd180d14e684b",
      "name": "xxxxxxx",
      "description": "",
      "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
      },
      "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:

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

As shown in the following figure, on the **API Credentials** page, view the project ID in the project list.



If there are multiple projects in one region, expand **Region** and obtain subproject IDs from the **Project ID** column.

----End

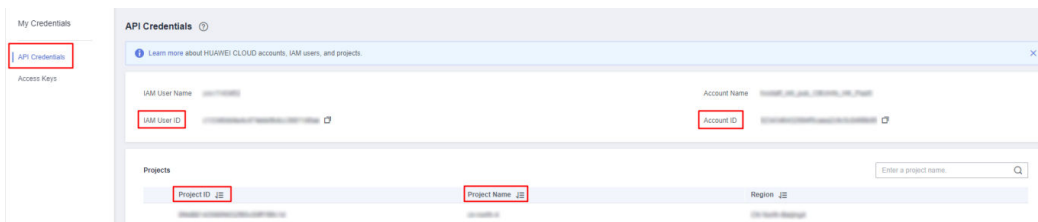
5.4 Obtaining an Account ID

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

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

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

Figure 5-1 Obtaining an account ID



----End

6 Change History

Changes between document issues are cumulative. The latest document issue contains all the changes made in earlier issues.

Change History	Date
This issue is the first official release.	December 5, 2025