

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 [Service Overview](#).

Endpoints

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

Table 1-1 CodeArts Artifact endpoints

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

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 by an account to use cloud services. Each IAM user has its own identity credentials (password and access keys).

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

- Region

Regions are divided by 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 (AZ)

An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, computing, networking, 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. Users can then be assigned permissions to access only specific resources in the subprojects.

- Enterprise project

An enterprise project groups and manages enterprise resources in a logically isolated manner. It contains resources in multiple regions, and allows resources to be added or removed.

For details about how to obtain enterprise project IDs and features, see the [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 AP-Singapore region is iam.ap-southeast-3.myhuaweicloud.com .
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 AP-Singapore region (iam.ap-southeast-3.myhuaweicloud.com) 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.ap-southeast-3.myhuaweicloud.com/v3.0/OS-USER/users
```

Figure 3-1 Example URI



NOTE

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

Request 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.ap-southeast-3.myhuaweicloud.com/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.ap-southeast-3.myhuaweicloud.com/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.ap-southeast-3.myhuaweicloud.com/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 to **obtain a user token**, you must set **auth.scope** in the request body to **project**.

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

```
"project": {  
  "name": "xxxxxxx"  
}  
}
```

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

```
GET https://iam.ap-southeast-3.myhuaweicloud.com/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 3-2 shows the response header fields for the API used to **obtain a user token**. The **x-subject-token** header field is the desired user token. This token can then be used to authenticate the calling of other APIs.

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

```
connection → keep-alive
content-type → application/json
date → Tue, 12 Feb 2019 06:52:13 GMT
server → Web Server
strict-transport-security → max-age=31536000; includeSubdomains;
transfer-encoding → chunked
via → proxy A
x-content-type-options → nosniff
x-download-options → noopen
x-frame-options → SAMEORIGIN
x-iam-trace-id → 218d45ab-d674-4995-af3a-2d0255ba41b5
x-subject-token → MIIYXQYJKoZIhvcNAQcCoIIYJCCEoCAQExDTALBglghkgB8QZMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOnsiZXhwaXJlc19hdCI6IjIwMTktMDItMTNUMC
fj3KJs6YgKnpVNRbW2eZ5eb78SZOkqJACgkIQ1wi4JlGzrpd18LGXK5tdfq4lqHCYb8P4NaY0NYejcAgz/VeFYtLWT1GSO0zxKZmlQHqJ82HBqHdgIZO9fuEebL5dMhdavj+33wEI
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1Frucol6jqglFkNPQuFSOU8+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": [
          {
            "region_id": "ap-southeast-3",
            .....

```

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

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. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Object	Definition: The API response varies depending on the request. Value 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

Obtains 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. Value 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. Value range: A string of digits and hyphens (-).
result	Object	Definition: The API response varies depending on the request. Value 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

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. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Object	Definition: The API response varies depending on the request. Value 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

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	Definition: Number of pages in a pagination query. Constraints: N/A Value range: 1–2,147,483,647 Default value: 1 page

Parameter	Mandatory	Type	Description
page_size	No	Integer	Definition: Number of records on each page during the pagination query. Constraints: N/A Value range: 1-100 Default value: 10
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. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Object	Definition: The API response varies depending on the request. Value 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](#).

4.2.3 Querying the File or Project List

Function

Query the file or project list.

Calling Method

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

URI

POST /devreposerver/v5/files/list

Request Parameters

Table 4-10 Request body parameters

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1–100 Default value: 10

Parameter	Mandatory	Type	Description
parent_id	No	String	Definition: Parent directory ID. Constraints: N/A Value range: N/A Default value: N/A
project_id	No	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 up to 32 characters. Only lowercase letters and digits are supported. Default value: N/A
search_name	No	String	Definition: Keyword searching. Constraints: N/A Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
search_type	No	String	Definition: Search type. Constraints: N/A Value range: N/A Default value: N/A
extension	No	String	Definition: Suffix. Constraints: N/A Value range: N/A Default value: N/A
order_by	No	String	Definition: Sorting field. Constraints: N/A Value range: N/A Default value: N/A
sort	No	String	Definition: Sorting order. Constraints: N/A Value range: Ascending or descending. Default value: N/A

Parameter	Mandatory	Type	Description
status	No	String	Definition: File status. Constraints: N/A Value range: N/A Default value: N/A
category	No	String	Definition: Release package status. Constraints: N/A Value range: N/A Default value: N/A

Response Parameters

Status code: 200

Table 4-11 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	RepoFileDOV5Page object	Definition: File list. Value range: N/A

Table 4-12 RepoFileDOV5Page

Parameter	Type	Description
total_records	Integer	Definition: Total number of records. Value range: N/A
total_pages	Integer	Definition: Total number of pages. Value range: N/A
data	Array of RepoFileDOV5 objects	Definition: File list. Value range: N/A

Table 4-13 RepoFileDOV5

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A
file_id	String	Definition: File ID. Value range: N/A
repo_name	String	Definition: Repository ID. Value range: N/A
project_name	String	Definition: Project name. Value range: N/A

Parameter	Type	Description
parent_id	String	Definition: Parent directory ID. Value range: N/A
name	String	Definition: File name. Value range: N/A
file_name	String	Definition: File name. Value range: N/A
type	String	Definition: File type. folder indicates a directory, and file indicates a file. Value range: N/A
category	String	Definition: Release package status. test indicates a test package, and prod indicates a release package. Value range: N/A
extension	String	Definition: File name extension. Value range: N/A
path	String	Definition: File path. Value range: N/A
full_path	String	Definition: File path (including the project). Value range: N/A

Parameter	Type	Description
size	Long	Definition: File size (in bytes). Value range: N/A
md5	String	Definition: MD5. Value range: N/A
sha256	String	Definition: SHA-256. Value range: N/A
download_url	String	Definition: Download address. Value range: N/A
download_url_with_id	String	Definition: Download address with an ID. Value range: N/A
web_url	String	Definition: web_url. Value range: N/A
version_enable	Boolean	Definition: version_enable. Value range: N/A
migrated_state	Integer	Definition: migrated_state. Value range: N/A
upload_id	String	Definition: upload_id. Value range: N/A

Example Requests

Query the file or project list.

```
https://{URL}/devreposerver/v5/files/list
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "0d7af913dfb4462db4580fc486d91ce1",
  "result": {
    "data": [ {
      "region": "xx-xxxx-x",
      "id": "",
      "name": "testjk1",
      "type": "project",
      "created_time": "2025-07-04 16:17:17",
      "modified_time": "2025-07-04 16:17:17",
      "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
      "created_user_name": "devcloud_devcloud_y00226182_05",
      "created_user_nick_name": "Repository helper",
      "created_user_domain_name": "devcloud_devcloud_y00226182_05",
      "modified_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
      "modified_user_name": "devcloud_devcloud_y00226182_05",
      "modified_user_nick_name": "Repository helper",
      "modified_user_domain_name": "devcloud_devcloud_y00226182_05",
      "project_id": "8de56c5a10894ad3aaef9e6558f17ea3",
      "repo_name": "xx-xxxx-x_8de56c5a10894ad3aaef9e6558f17ea3_generic_0",
      "parent_id": "0",
      "download_url_with_id": "DevRepoServer/v1/files/download?file_id=null&type=archive",
      "web_url": "releaseman/project/8de56c5a10894ad3aaef9e6558f17ea3/private/general?parentId=0",
      "version_enable": false,
      "migrated_state": 0,
      "repo_same_trash_file_name": "trash_null_testjk1",
      "repo_file_path": "nulltestjk1"
    }, {
      "region": "xx-xxxx-x",
      "id": "",
      "name": "Scrum-yc",
      "type": "project",
      "created_time": "2025-07-04 16:06:32",
      "modified_time": "2025-07-04 16:06:32",
      "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
      "created_user_name": "devcloud_devcloud_y00226182_05",
      "created_user_nick_name": "Repository helper",
      "created_user_domain_name": "devcloud_devcloud_y00226182_05",
      "modified_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
      "modified_user_name": "devcloud_devcloud_y00226182_05",
      "modified_user_nick_name": "Repository helper",
      "modified_user_domain_name": "devcloud_devcloud_y00226182_05",
      "project_id": "4fad59a4d2be49039f2f18724a57dbff",
      "repo_name": "xx-xxxx-x_4fad59a4d2be49039f2f18724a57dbff_generic_0",
      "parent_id": "0",
      "download_url_with_id": "DevRepoServer/v1/files/download?file_id=null&type=archive",
      "web_url": "releaseman/project/4fad59a4d2be49039f2f18724a57dbff/private/general?parentId=0",
      "version_enable": false,
      "migrated_state": 0,
      "repo_same_trash_file_name": "trash_null_Scrum-yc",
      "repo_file_path": "nullScrum-yc"
    }, {

```

```
"region" : "xx-xxxx-x",
"id" : "",
"name" : "wwy2",
"type" : "project",
"created_time" : "2025-06-27 16:05:41",
"modified_time" : "2025-06-27 16:05:41",
"created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
"created_user_name" : "devcloud_devcloud_y00226182_05",
"created_user_nick_name" : "Repository helper",
"created_user_domain_name" : "devcloud_devcloud_y00226182_05",
"modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
"modified_user_name" : "devcloud_devcloud_y00226182_05",
"modified_user_nick_name" : "Repository helper",
"modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
"project_id" : "782ac1a952164acdb6d37924fae0828d",
"repo_name" : "xx-xxxx-x_782ac1a952164acdb6d37924fae0828d_generic_0",
"parent_id" : "0",
"download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
"web_url" : "releaseman/project/782ac1a952164acdb6d37924fae0828d/private/general?parentId=0",
"version_enable" : false,
"migrated_state" : 0,
"repo_same_trash_file_name" : "trash_null_wwy2",
"repo_file_path" : "nullwwy2"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "330 patch version.",
  "type" : "project",
  "created_time" : "2025-06-16 15:28:35",
  "modified_time" : "2025-06-16 15:28:35",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "27edc4a6f5364d4bbe195ee5c046c581",
  "repo_name" : "xx-xxxx-x_27edc4a6f5364d4bbe195ee5c046c581_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
  "web_url" : "releaseman/project/27edc4a6f5364d4bbe195ee5c046c581/private/general?parentId=0",
  "version_enable" : false,
  "migrated_state" : 0,
  "repo_same_trash_file_name" : "trash_null_330 patch version",
  "repo_file_path" : "null330%E8%A1%A5%E4%B8%81%E7%89%88%E6%9C%AC"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "Version test.",
  "type" : "project",
  "created_time" : "2025-04-14 11:04:16",
  "modified_time" : "2025-04-14 11:04:16",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "9202db82a84c4dac9313ea8df0f2a2d4",
  "repo_name" : "xx-xxxx-x_9202db82a84c4dac9313ea8df0f2a2d4_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
  "web_url" : "releaseman/project/9202db82a84c4dac9313ea8df0f2a2d4/private/general?parentId=0",
  "version_enable" : false,
  "migrated_state" : 0,
```

```
"repo_same_trash_file_name" : "trash_null_version test",
"repo_file_path" : "null%E7%89%88%E6%9C%AC%E6%B5%8B%E8%AF%95"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "landingzone test",
  "type" : "project",
  "created_time" : "2024-11-12 15:54:57",
  "modified_time" : "2024-11-12 15:54:57",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "74698d06d75f41b782f834c802c9bae7",
  "repo_name" : "xx-xxxx-x_74698d06d75f41b782f834c802c9bae7_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
  "web_url" : "releaseman/project/74698d06d75f41b782f834c802c9bae7/private/general?parentId=0",
  "version_enable" : false,
  "migrated_state" : 0,
  "repo_same_trash_file_name" : "trash_null_landingzone test",
  "repo_file_path" : "nulllandingzone%20test"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "CodeArtsArtifact_Apig_Sonar",
  "type" : "project",
  "created_time" : "2024-10-24 20:53:51",
  "modified_time" : "2024-10-24 20:53:51",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "bc634ac7a3894a1d91ca72aad5e72bdf",
  "repo_name" : "xx-xxxx-x_bc634ac7a3894a1d91ca72aad5e72bdf_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
  "web_url" : "releaseman/project/bc634ac7a3894a1d91ca72aad5e72bdf/private/general?parentId=0",
  "version_enable" : false,
  "migrated_state" : 0,
  "repo_same_trash_file_name" : "trash_null_CodeArtsArtifact_Apig_Sonar",
  "repo_file_path" : "nullCodeArtsArtifact_Apig_Sonar"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "donglingshi",
  "type" : "project",
  "created_time" : "2024-10-15 17:30:46",
  "modified_time" : "2024-10-15 17:30:46",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "eb2429dc4f3349e5b47163a9bfd1210b",
  "repo_name" : "xx-xxxx-x_eb2429dc4f3349e5b47163a9bfd1210b_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
```

```
"web_url" : "releaseman/project/eb2429dc4f3349e5b47163a9bfd1210b/private/general?parentId=0",
"version_enable" : false,
"migrated_state" : 0,
"repo_same_trash_file_name" : "trash_null_donglingshi",
"repo_file_path" : "nulldonglingshi"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "test0416-001",
  "type" : "project",
  "created_time" : "2024-04-16 16:25:41",
  "modified_time" : "2024-04-16 16:25:41",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "bef3419620d743eca6a57881a0f006fd",
  "repo_name" : "xx-xxxx-x_bef3419620d743eca6a57881a0f006fd_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
  "web_url" : "releaseman/project/bef3419620d743eca6a57881a0f006fd/private/general?parentId=0",
  "version_enable" : false,
  "migrated_state" : 0,
  "repo_same_trash_file_name" : "trash_null_test0416-001",
  "repo_file_path" : "nulltest0416-001"
}, {
  "region" : "xx-xxxx-x",
  "id" : "",
  "name" : "Dedicated project for function automation (do not delete/modify)",
  "type" : "project",
  "created_time" : "2024-03-26 14:41:57",
  "modified_time" : "2024-03-29 15:58:06",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "created_user_nick_name" : "Repository helper",
  "created_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_nick_name" : "Repository helper",
  "modified_user_domain_name" : "devcloud_devcloud_y00226182_05",
  "project_id" : "99b6617f8e0a4b67a856738d6355b2f0",
  "repo_name" : "xx-xxxx-x_99b6617f8e0a4b67a856738d6355b2f0_generic_0",
  "parent_id" : "0",
  "download_url_with_id" : "DevRepoServer/v1/files/download?file_id=null&type=archive",
  "web_url" : "releaseman/project/99b6617f8e0a4b67a856738d6355b2f0/private/general?parentId=0",
  "version_enable" : false,
  "migrated_state" : 0,
  "repo_same_trash_file_name" : "trash_null_dedicated project for function automation (do not delete/modify)",
  "repo_file_path" : "null%E5%8A%9F%E8%83%BD%E8%87%AA%E5%8A%A8%E5%8C%96%E4%B8%93%E7%94%A8%E9%A1%B9%E7%9B%AE(%E5%8B%BF%E5%8A%A8%E5%8B%BF%E5%88%A0)"
} ],
"total_records" : 151,
"total_pages" : 16
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.2.4 Querying Details about a File

Function

Query details about a file.

Calling Method

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

URI

GET /devreposerver/v5/files/{id}/info

Table 4-14 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	Definition: File ID. Constraints: N/A Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-15 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	RepoFileDOV5 object	Definition: File information. Value range: N/A

Table 4-16 RepoFileDOV5

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A
file_id	String	Definition: File ID. Value range: N/A
repo_name	String	Definition: Repository ID. Value range: N/A
project_name	String	Definition: Project name. Value range: N/A

Parameter	Type	Description
parent_id	String	Definition: Parent directory ID. Value range: N/A
name	String	Definition: File name. Value range: N/A
file_name	String	Definition: File name. Value range: N/A
type	String	Definition: File type. folder indicates a directory, and file indicates a file. Value range: N/A
category	String	Definition: Release package status. test indicates a test package, and prod indicates a release package. Value range: N/A
extension	String	Definition: File name extension. Value range: N/A
path	String	Definition: File path. Value range: N/A
full_path	String	Definition: File path (including the project). Value range: N/A

Parameter	Type	Description
size	Long	Definition: File size (in bytes). Value range: N/A
md5	String	Definition: MD5. Value range: N/A
sha256	String	Definition: SHA-256. Value range: N/A
download_url	String	Definition: Download address. Value range: N/A
download_url_with_id	String	Definition: Download address with an ID. Value range: N/A
web_url	String	Definition: web_url. Value range: N/A
version_enable	Boolean	Definition: version_enable. Value range: N/A
migrated_state	Integer	Definition: migrated_state. Value range: N/A
upload_id	String	Definition: upload_id. Value range: N/A

Example Requests

Query details about a file.

```
https://{URL}/devreposerver/v5/files/a3770843d8594b0a9b3a1131a613689a/info
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "28312d02ba6144bdbeee358f8be2d052",
  "result": {
    "status": "active",
    "region": "xx-xxxxx-x",
    "id": "a3770843d8594b0a9b3a1131a613689a",
    "name": "tool_version.json",
    "type": "file",
    "category": "test",
    "extension": "json",
    "path": "/",
    "size": 157,
    "md5": "c25d932898e4b63d1447d9c37b957513",
    "sha256": "bd992ba958893fa9aabdfe3fecbfda91583959b9c383054c5a5f66c9b109887",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time": "2025-05-13 16:55:53",
    "modified_time": "2025-05-13 16:55:53",
    "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "created_user_name": "devcloud_devcloud_y00226182_05",
    "created_user_nick_name": "Repository helper",
    "created_user_domain_name": "devcloud_devcloud_y00226182_05",
    "modified_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "modified_user_name": "devcloud_devcloud_y00226182_05",
    "modified_user_nick_name": "Repository helper",
    "modified_user_domain_name": "devcloud_devcloud_y00226182_05",
    "build_version": "latest",
    "repo_url": "",
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "file_id": "3fe9d7a21bf04df2b0159ae958b6f9ad",
    "repo_name": "xx-xxxxx-x_f132b62084774001b84c294c0eef27f2_generic_0",
    "project_name": "test-jk2",
    "parent_id": "0",
    "download_url": "DevRepoServer/v1/files/download?filename=f132b62084774001b84c294c0eef27f2/tool_version.json",
    "download_url_with_id": "DevRepoServer/v1/files/download?file_id=a3770843d8594b0a9b3a1131a613689a",
    "web_url": "releaseman/project/f132b62084774001b84c294c0eef27f2/private/general?parentId=0",
    "version_enable": false,
    "migrated_state": 3,
    "repo_same_trash_file_name": "trash_3fe9d7a21bf04df2b0159ae958b6f9ad_tool_version.json",
    "repo_file_path": "/tool_version.json"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.2.5 Querying Details about a File

Function

Query details about a file.

Calling Method

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

URI

GET /devreposerver/v5/files/info

Table 4-17 Query Parameters

Parameter	Mandatory	Type	Description
file_name	Yes	String	Definition: File name. Constraints: N/A Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-18 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	RepoFileDOV5 object	Definition: File information. Value range: N/A

Table 4-19 RepoFileDOV5

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A
file_id	String	Definition: File ID. Value range: N/A
repo_name	String	Definition: Repository ID. Value range: N/A
project_name	String	Definition: Project name. Value range: N/A

Parameter	Type	Description
parent_id	String	Definition: Parent directory ID. Value range: N/A
name	String	Definition: File name. Value range: N/A
file_name	String	Definition: File name. Value range: N/A
type	String	Definition: File type. folder indicates a directory, and file indicates a file. Value range: N/A
category	String	Definition: Release package status. test indicates a test package, and prod indicates a release package. Value range: N/A
extension	String	Definition: File name extension. Value range: N/A
path	String	Definition: File path. Value range: N/A
full_path	String	Definition: File path (including the project). Value range: N/A

Parameter	Type	Description
size	Long	Definition: File size (in bytes). Value range: N/A
md5	String	Definition: MD5. Value range: N/A
sha256	String	Definition: SHA-256. Value range: N/A
download_url	String	Definition: Download address. Value range: N/A
download_url_with_id	String	Definition: Download address with an ID. Value range: N/A
web_url	String	Definition: web_url. Value range: N/A
version_enable	Boolean	Definition: version_enable. Value range: N/A
migrated_state	Integer	Definition: migrated_state. Value range: N/A
upload_id	String	Definition: upload_id. Value range: N/A

Example Requests

Query details about a file.

```
https://{URL}/devreposerver/v5/files/info?file_name=f132b62084774001b84c294c0eef27f2/tool_version.json
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "290e1f8beed846c6ae3ea11c8dc30ed9",
  "result": {
    "status": "active",
    "region": "xx-xxxx-7",
    "id": "a3770843d8594b0a9b3a1131a613689a",
    "name": "tool_version.json",
    "type": "file",
    "category": "test",
    "extension": "json",
    "path": "/",
    "size": 157,
    "md5": "c25d932898e4b63d1447d9c37b957513",
    "sha256": "bd992ba958893fa9aabd63fecbfda91583959b9c383054c5a5f66c9b109887",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time": "2025-05-13 16:55:53",
    "modified_time": "2025-05-13 16:55:53",
    "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "created_user_name": "devcloud_devcloud_y00226182_05",
    "modified_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "modified_user_name": "devcloud_devcloud_y00226182_05",
    "build_version": "latest",
    "repo_url": "",
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "file_id": "3fe9d7a21bf04df2b0159ae958b6f9ad",
    "repo_name": "xx-xxxx-7_f132b62084774001b84c294c0eef27f2_generic_0",
    "parent_id": "0",
    "download_url": "DevRepoServer/v1/files/download?filename=f132b62084774001b84c294c0eef27f2/tool_version.json",
    "download_url_with_id": "DevRepoServer/v1/files/download?file_id=a3770843d8594b0a9b3a1131a613689a",
    "web_url": "releaseman/project/f132b62084774001b84c294c0eef27f2/private/general?parentId=0",
    "version_enable": false,
    "migrated_state": 3,
    "repo_same_trash_file_name": "trash_3fe9d7a21bf04df2b0159ae958b6f9ad_tool_version.json",
    "repo_file_path": "/tool_version.json"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.3 Repository Details (Release Repos)

4.3.1 Querying Auto Deleting Task Settings in a Project

Function

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 4-20 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-21 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	Object	Definition: The API response varies depending on the request. Value 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 Permission Management (Release Repos)

4.4.1 Viewing Role Permissions of a Project

Function

View role permissions of a project.

Calling Method

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

URI

GET /devreposerver/v5/project-role/permissions

Table 4-22 Query 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: String length: 32 characters. Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-23 Response body parameters

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

Table 4-24 ProjectRolePermissionDo

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A
role_id	Integer	Definition: Role ID. Value range: N/A
devuc_role_id	String	Definition: ID of the DevUC role. Value range: N/A
project_id	String	Definition: Project ID. Value range: N/A

Parameter	Type	Description
is_permission_config	Boolean	Definition: is_permission_config. Value range: N/A
is_change_pkg_status	Boolean	Definition: is_change_pkg_status. Value range: N/A
is_upload	Boolean	Definition: is_upload. Value range: N/A
is_delete_restore_test_pkg	Boolean	Definition: is_delete_restore_test_pkg. Value range: N/A
is_delete_restore_prod_pkg	Boolean	Definition: is_delete_restore_prod_pkg. Value range: N/A
is_edit_test_pkg	Boolean	Definition: is_edit_test_pkg. Value range: N/A
is_mkdir	Boolean	Definition: is_mkdir. Value range: N/A
is_download	Boolean	Definition: is_download. Value range: N/A
is_restore_all	Boolean	Definition: is_restore_all. Value range: N/A

Parameter	Type	Description
is_empty	Boolean	Definition: Whether the field can be left blank. Value range: N/A
create_time	Long	Definition: Creation time. Value range: N/A
update_time	Long	Definition: Update time. Value range: N/A
migrated_630	Integer	Definition: migrated_630. Value range: N/A
region	String	Definition: Region. Value range: N/A
user_id	String	Definition: User ID. Value range: N/A
roles	String	Definition: Role. Value range: N/A

Example Requests

View role permissions of a project.

https://{URL}/devreposerver/v5/project-role/permissions?project_id=f132b62084774001b84c294c0eef27f2

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "8b1520ec7d254fb5bae9e979e5926d17",
  "result": [ {
    "id": "0019256f4e4611f0b0b6fa163ead7b41",
    "region": "xx-xxxxx-x",
    "roles": null,
    "role_id": -1,
    "devuc_role_id": null,
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "is_permission_config": true,
    "is_change_pkg_status": true,
    "is_upload": true,
    "is_delete_restore_test_pkg": true,
    "is_delete_restore_prod_pkg": true,
    "is_edit_test_pkg": true,
    "is_mkdir": true,
    "is_download": true,
    "is_restore_all": true,
    "is_empty": true,
    "create_time": 1750472301000,
    "update_time": 1750472301000,
    "migrated_630": 0,
    "user_id": null
  }, {
    "id": "001929184e4611f0b0b6fa163ead7b41",
    "region": "xx-xxxxx-x",
    "roles": null,
    "role_id": 3,
    "devuc_role_id": null,
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "is_permission_config": true,
    "is_change_pkg_status": true,
    "is_upload": true,
    "is_delete_restore_test_pkg": true,
    "is_delete_restore_prod_pkg": false,
    "is_edit_test_pkg": true,
    "is_mkdir": true,
    "is_download": true,
    "is_restore_all": true,
    "is_empty": true,
    "create_time": 1750472301000,
    "update_time": 1750472301000,
    "migrated_630": 0,
    "user_id": null
  }, {
    "id": "001929ce4e4611f0b0b6fa163ead7b41",
    "region": "xx-xxxxx-x",
    "roles": null,
    "role_id": 4,
    "devuc_role_id": null,
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "is_permission_config": false,
    "is_change_pkg_status": false,
    "is_upload": true,
    "is_delete_restore_test_pkg": true,
    "is_delete_restore_prod_pkg": false,
    "is_edit_test_pkg": true,
    "is_mkdir": true,
    "is_download": true,
    "is_restore_all": false,
    "is_empty": false,
    "create_time": 1750472301000,
    "update_time": 1750472301000,
    "migrated_630": 0,
    "user_id": null
  }, {
    "id": "00192a6c4e4611f0b0b6fa163ead7b41",
    "region": "xx-xxxxx-x",
```

```
"roles" : null,
"role_id" : 5,
"devuc_role_id" : null,
"project_id" : "f132b62084774001b84c294c0eef27f2",
"is_permission_config" : false,
"is_change_pkg_status" : false,
"is_upload" : true,
"is_delete_restore_test_pkg" : true,
"is_delete_restore_prod_pkg" : false,
"is_edit_test_pkg" : true,
"is_mkdir" : true,
"is_download" : true,
"is_restore_all" : true,
"is_empty" : true,
"create_time" : 1750472301000,
"update_time" : 1750472301000,
"migrated_630" : 0,
"user_id" : null
}, {
  "id" : "0019499b4e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxx-x",
  "roles" : null,
  "role_id" : 6,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
  "is_upload" : true,
  "is_delete_restore_test_pkg" : false,
  "is_delete_restore_prod_pkg" : false,
  "is_edit_test_pkg" : false,
  "is_mkdir" : true,
  "is_download" : true,
  "is_restore_all" : false,
  "is_empty" : false,
  "create_time" : 1750472301000,
  "update_time" : 1750472301000,
  "migrated_630" : 0,
  "user_id" : null
}, {
  "id" : "00194a384e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxx-x",
  "roles" : null,
  "role_id" : 7,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
  "is_upload" : false,
  "is_delete_restore_test_pkg" : false,
  "is_delete_restore_prod_pkg" : false,
  "is_edit_test_pkg" : false,
  "is_mkdir" : false,
  "is_download" : true,
  "is_restore_all" : false,
  "is_empty" : false,
  "create_time" : 1750472301000,
  "update_time" : 1750472301000,
  "migrated_630" : 0,
  "user_id" : null
}, {
  "id" : "00194ab24e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxx-x",
  "roles" : null,
  "role_id" : 8,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
```

```
"is_upload" : false,
"is_delete_restore_test_pkg" : false,
"is_delete_restore_prod_pkg" : false,
"is_edit_test_pkg" : false,
"is_mkdir" : false,
"is_download" : false,
"is_restore_all" : false,
"is_empty" : false,
"create_time" : 1750472301000,
"update_time" : 1750472301000,
"migrated_630" : 0,
"user_id" : null
}, {
  "id" : "00194b454e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxxx-x",
  "roles" : null,
  "role_id" : 9,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : true,
  "is_upload" : true,
  "is_delete_restore_test_pkg" : true,
  "is_delete_restore_prod_pkg" : true,
  "is_edit_test_pkg" : true,
  "is_mkdir" : true,
  "is_download" : true,
  "is_restore_all" : false,
  "is_empty" : false,
  "create_time" : 1750472301000,
  "update_time" : 1750472301000,
  "migrated_630" : 0,
  "user_id" : null
}, {
  "id" : "001f6c194e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxxx-x",
  "roles" : null,
  "role_id" : 1001,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
  "is_upload" : true,
  "is_delete_restore_test_pkg" : true,
  "is_delete_restore_prod_pkg" : false,
  "is_edit_test_pkg" : true,
  "is_mkdir" : true,
  "is_download" : true,
  "is_restore_all" : false,
  "is_empty" : false,
  "create_time" : 1750472301000,
  "update_time" : 1750472301000,
  "migrated_630" : 0,
  "user_id" : null
}, {
  "id" : "00255ae14e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxxx-x",
  "roles" : null,
  "role_id" : 1002,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
  "is_upload" : false,
  "is_delete_restore_test_pkg" : true,
  "is_delete_restore_prod_pkg" : false,
  "is_edit_test_pkg" : true,
  "is_mkdir" : true,
  "is_download" : true,
```

```
"is_restore_all" : false,
"is_empty" : false,
"create_time" : 1750472301000,
"update_time" : 1750472301000,
"migrated_630" : 0,
"user_id" : null
}, {
  "id" : "002bd43a4e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxx-x",
  "roles" : null,
  "role_id" : 1003,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
  "is_upload" : true,
  "is_delete_restore_test_pkg" : true,
  "is_delete_restore_prod_pkg" : false,
  "is_edit_test_pkg" : true,
  "is_mkdir" : true,
  "is_download" : true,
  "is_restore_all" : false,
  "is_empty" : false,
  "create_time" : 1750472301000,
  "update_time" : 1750472301000,
  "migrated_630" : 0,
  "user_id" : null
}, {
  "id" : "0031d0114e4611f0b0b6fa163ead7b41",
  "region" : "xx-xxxx-x",
  "roles" : null,
  "role_id" : 1004,
  "devuc_role_id" : null,
  "project_id" : "f132b62084774001b84c294c0eef27f2",
  "is_permission_config" : false,
  "is_change_pkg_status" : false,
  "is_upload" : false,
  "is_delete_restore_test_pkg" : false,
  "is_delete_restore_prod_pkg" : false,
  "is_edit_test_pkg" : false,
  "is_mkdir" : false,
  "is_download" : true,
  "is_restore_all" : false,
  "is_empty" : false,
  "create_time" : 1750472301000,
  "update_time" : 1750472301000,
  "migrated_630" : 0,
  "user_id" : null
}]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.4.2 Querying Permissions of a Multi-Role User

Function

Query permissions of a multi-role user.

Calling Method

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

URI

GET /devreposerver/v5/user/permissions

Table 4-25 Query 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: String length: 32 characters. Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-26 Response body parameters

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

Table 4-27 ProjectRolePermissionDo

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A
role_id	Integer	Definition: Role ID. Value range: N/A
devuc_role_id	String	Definition: ID of the DevUC role. Value range: N/A
project_id	String	Definition: Project ID. Value range: N/A

Parameter	Type	Description
is_permission_config	Boolean	Definition: is_permission_config. Value range: N/A
is_change_pkg_status	Boolean	Definition: is_change_pkg_status. Value range: N/A
is_upload	Boolean	Definition: is_upload. Value range: N/A
is_delete_restore_test_pkg	Boolean	Definition: is_delete_restore_test_pkg. Value range: N/A
is_delete_restore_prod_pkg	Boolean	Definition: is_delete_restore_prod_pkg. Value range: N/A
is_edit_test_pkg	Boolean	Definition: is_edit_test_pkg. Value range: N/A
is_mkdir	Boolean	Definition: is_mkdir. Value range: N/A
is_download	Boolean	Definition: is_download. Value range: N/A
is_restore_all	Boolean	Definition: is_restore_all. Value range: N/A

Parameter	Type	Description
is_empty	Boolean	Definition: Whether the field can be left blank. Value range: N/A
create_time	Long	Definition: Creation time. Value range: N/A
update_time	Long	Definition: Update time. Value range: N/A
migrated_630	Integer	Definition: migrated_630. Value range: N/A
region	String	Definition: Region. Value range: N/A
user_id	String	Definition: User ID. Value range: N/A
roles	String	Definition: Role. Value range: N/A

Example Requests

Query permissions of a multi-role user.

https://{URL}/devreposerver/v5/user/permissions?project_id=f132b62084774001b84c294c0eef27f2

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "4933f7d81844450281d835f4ec7224d4",
  "result": {
    "id": "0019256f4e4611f0b0b6fa163ead7b41",
    "region": "xx-xxxx-x",
    "roles": null,
    "role_id": -1,
    "devuc_role_id": null,
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "is_permission_config": true,
    "is_change_pkg_status": true,
    "is_upload": true,
    "is_delete_restore_test_pkg": true,
    "is_delete_restore_prod_pkg": true,
    "is_edit_test_pkg": true,
    "is_mkdir": true,
    "is_download": true,
    "is_restore_all": true,
    "is_empty": true,
    "create_time": 1750472301000,
    "update_time": 1750472301000,
    "migrated_630": 0,
    "user_id": null
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.5 Release Repos Settings

4.5.1 Querying Tenant Capacity Notification Settings

Function

Query tenant capacity notification settings.

Calling Method

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

URI

GET /devreposerver/v5/capacity-notice/settings

Request Parameters

None

Response Parameters

Status code: 200

Table 4-28 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	CapacitySetting-VO object	Definition: Information settings. Value range: N/A

Table 4-29 CapacitySettingVO

Parameter	Type	Description
capacity_threshold	Integer	Definition: Capacity threshold. Value range: N/A
message_type	Integer	Definition: Message type. Value range: N/A

Parameter	Type	Description
is_mail_enabled	Integer	Definition: Email enabled or not. Value range: N/A
is_sms_enabled	Integer	Definition: SMS messages enabled or not. Value range: N/A

Example Requests

Query tenant capacity notification settings.

```
https://{URL}/devreposerver/v5/capacity-notice/settings
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "4c1c7456e0f94b999dbe2e218081f317",
  "result" : {
    "capacity_threshold" : 100,
    "message_type" : 1,
    "is_mail_enabled" : 1,
    "is_sms_enabled" : 0
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6 Version Management (Release Repos)

4.6.1 Querying the Latest Versions of All Files in a Project

Function

Query the latest versions of all files in a project.

Calling Method

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

URI

GET /devreposerver/v5/{project_id}/files/version/count

Table 4-30 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: String length: 32 characters. Value range: N/A Default value: N/A

Table 4-31 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Definition: File name. Constraints: N/A Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-32 Response body parameters

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

Table 4-33 LatestVersionFilesCount

Parameter	Type	Description
count	Long	Definition: Quantity. Value range: N/A

Example Requests

Query the latest versions of all files in a project.

https://{URL}/devreposerver/v5/f132b62084774001b84c294c0eef27f2/files/version/count

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "b0bdfc544a8b426da47c24c105dff426",
  "result" : {
    "count" : 2
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.6.2 Querying the Latest Versions of All Files in a Project

Function

Query the latest versions of all files in a project.

Calling Method

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

URI

GET /devreposerver/v5/{project_id}/files/version

Table 4-34 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: String length: 32 characters. Value range: N/A Default value: N/A

Table 4-35 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Definition: Name. Constraints: N/A Value range: N/A Default value: N/A
sort_by	No	String	Definition: sort_by. Constraints: N/A Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
sort_dir	No	String	Definition: sort_dir. Constraints: N/A Value range: N/A Default value: N/A
offset	No	Integer	Definition: Offset Constraints: N/A Value range: N/A Default value: N/A
limit	No	Integer	Definition: limit. Constraints: N/A Value range: N/A 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. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Array of VersionViewVoV5 objects	Definition: Latest version list. Value range: N/A

Table 4-37 VersionViewVoV5

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A
project_id	String	Definition: Project ID. Value range: N/A
file_id	String	Definition: File ID. Value range: N/A
name	String	Definition: File name. Value range: N/A

Parameter	Type	Description
path	String	Definition: File path. Value range: N/A

Example Requests

Query the latest versions of all files in a project.

https://{URL}/devreposerver/v5/f132b62084774001b84c294c0eef27f2/files/version

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "7ca22127d0d544bebdea0115b42afa57",
  "result": [ {
    "status": null,
    "region": null,
    "domain_id": null,
    "created_time": null,
    "modified_time": 1747127485000,
    "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "created_user_name": "devcloud_devcloud_y00226182_05",
    "created_user_nick_name": "Repository helper",
    "created_user_domain_name": "devcloud_devcloud_y00226182_05",
    "modified_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "modified_user_name": "devcloud_devcloud_y00226182_05",
    "modified_user_nick_name": "Repository helper",
    "modified_user_domain_name": "devcloud_devcloud_y00226182_05",
    "id": "0cd7f15890d84b91a27678e363ef151d",
    "project_id": "f132b62084774001b84c294c0eef27f2",
    "file_id": "2487edb497b44a28b07164dbd6689132",
    "name": "_maven.repositories",
    "path": "/11/",
    "size": "0.0B",
    "version": "latest",
    "version_count": 1,
    "version_status": "test",
    "modified_time_to_string": "2025-05-13 17:11:25"
  }, {
    "status": null,
    "region": null,
    "domain_id": null,
    "created_time": null,
    "modified_time": 1747126553000,
    "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "created_user_name": "devcloud_devcloud_y00226182_05",
    "created_user_nick_name": "Repository helper",
    "created_user_domain_name": "devcloud_devcloud_y00226182_05",
    "modified_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "modified_user_name": "devcloud_devcloud_y00226182_05",
    "modified_user_nick_name": "Repository helper",
    "modified_user_domain_name": "devcloud_devcloud_y00226182_05",
    "id": "a3770843d8594b0a9b3a1131a613689a",
    "project_id": "f132b62084774001b84c294c0eef27f2",
```

```
{
  "file_id" : "3fe9d7a21bf04df2b0159ae958b6f9ad",
  "name" : "tool_version.json",
  "path" : "/",
  "size" : "0.0B",
  "version" : "latest",
  "version_count" : 1,
  "version_status" : "test",
  "modified_time_to_string" : "2025-05-13 16:55:53"
}]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.7 Repository Capacity (Release Repos)

4.7.1 Tenant Storage Capacity (Release Repos)

Function

Tenant storage capacity (Release Repos)

Calling Method

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

URI

GET /devreposerver/v5/storage

Request Parameters

None

Response Parameters

Status code: 200

Table 4-38 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	ReleaseStorageVOV5 object	Definition: Storage capacity information. Value range: N/A

Table 4-39 ReleaseStorageVOV5

Parameter	Type	Description
used_capacity	String	Definition: Used storage space (in bytes). Value range: N/A
total_capacity	String	Definition: Maximum storage space of a tenant (with a unit). Value range: N/A
used_capacity_size	Long	Definition: Used storage space (in bytes). Value range: N/A
total_capacity_size	Long	Definition: Maximum storage space of a tenant (in bytes). Value range: N/A

Parameter	Type	Description
package_type	String	Definition: Yearly/Monthly package type (0 : no package; 1 : basic; 2 : professional; 3 : platinum). Value range: N/A
total_count	Long	Definition: Repositories in a project. Value range: N/A

Example Requests

Tenant storage capacity (Release Repos)

```
https://{URL}/devreposerver/v5/storage
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "77efe1b467f241cc9ac59a4b253ade96",
  "result": {
    "used_capacity": "77.74GB",
    "total_capacity": "0.0B",
    "used_capacity_size": 83476974728,
    "total_capacity_size": 0,
    "package_type": "codearts.xxx.enterprise",
    "total_count": 149
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.7.2 Querying the Storage Capacity in a Project

Function

Query the storage capacity in a project.

Calling Method

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

URI

GET /devreposerver/v5/{project_id}/storage

Table 4-40 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: String length: 32 characters. Value range: N/A Default value: N/A

Table 4-41 Query Parameters

Parameter	Mandatory	Type	Description
parent_id	No	String	Definition: parent_id. Constraints: N/A Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-42 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	StorageInfoDOV5 object	Definition: Storage capacity information. Value range: N/A

Table 4-43 StorageInfoDOV5

Parameter	Type	Description
used_space_length	Long	Definition: Used space (in bytes). Value range: N/A
used_space	String	Definition: Used space (with a unit). Value range: N/A

Parameter	Type	Description
files_count	Long	Definition: Number of files. Value range: N/A

Example Requests

Query the storage capacity in a project.

`https://{URL}/devreposerver/v5/f132b62084774001b84c294c0eef27f2/storage`

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "d35d637cf19846b497dbdb3e2771072b",
  "result": {
    "used_space_length": 363,
    "used_space": "363.0B",
    "files_count": 2
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.8 Querying Files in the Release Repos

4.8.1 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 4-44 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 4-45 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
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 4-46 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 4-47 Response body parameters

Parameter	Type	Description
traceld	String	traceld
status	String	status
error	String	error
result	result object	Definition: Response data. Value range: N/A

Table 4-48 result

Parameter	Type	Description
data	Array of ReleaseFile objects	Definition: List of results that match the search criteria. Value range: N/A
total_records	Integer	Definition: Total number of results that match the search criteria. Value range: 1–1,000
total_pages	Integer	Definition: Total number of pages that match the search criteria. Value range: 1–10,000

Table 4-49 ReleaseFile

Parameter	Type	Description
version	String	Definition: File version in release repos. Value range: A string of 0 to 100 characters.
path	String	Definition: File path in release repos. Value range: A string of 0 to 100 characters.
download_url	String	Definition: File download link in release repos. Value range: A string of 0 to 10,000 characters.
category	String	Definition: Package status. Value range: test: test package prod: released package

Status code: 403

Table 4-50 Response body parameters

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

Status code: 500

Table 4-51 Response body parameters

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

Example Requests

```
https:// artifact.cn-south-1.myhuaweicloud.com /devreposerver/v2/release/  
1111111111111111111111111111111111111111111111111111111111111111/files? file_name=myFile&limit=10&offset=1
```

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."
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowReleaseProjectFilesSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowReleaseProjectFilesRequest request = new ShowReleaseProjectFilesRequest();
        request.withProjectId("{project_id}");
        try {
            ShowReleaseProjectFilesResponse response = client.showReleaseProjectFiles(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
        }
    }
}
```

```
        e.printStackTrace();
        System.out.println(e.getStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowReleaseProjectFilesRequest()
        request.project_id = "{project_id}"
        response = client.show_release_project_files(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
```

```
WithSk(sk).
Build()

client := codeartsartifact.NewCodeArtsArtifactClient(
    codeartsartifact.CodeArtsArtifactClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ShowReleaseProjectFilesRequest{}
request.ProjectId = "{project_id}"
response, err := client.ShowReleaseProjectFiles(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK
403	Forbidden
500	Internal Error

Error Codes

See [Error Codes](#).

4.8.2 Querying File Versions in a Project

Function

Query file versions in a project.

Calling Method

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

URI

GET /v2/{project_id}/release/files

Table 4-52 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: The value can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Table 4-53 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 on each page during the pagination query. 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: 0–2,147,483,647 Default value: 0

Request Parameters

Table 4-54 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 4-55 Response body parameters

Parameter	Type	Description
traceld	String	traceld
status	String	status
error	String	error
result	result object	Definition: Response data. Value range: N/A

Table 4-56 result

Parameter	Type	Description
data	Array of ReleaseFile objects	Definition: List of results that match the search criteria. Value range: N/A
total_records	Integer	Definition: Total number of results that match the search criteria. Value range: 1–1,000
total_pages	Integer	Definition: Total number of pages that match the search criteria. Value range: 1–10,000

Table 4-57 ReleaseFile

Parameter	Type	Description
version	String	Definition: File version in release repos. Value range: A string of 0 to 100 characters.
path	String	Definition: File path in release repos. Value range: A string of 0 to 100 characters.
download_url	String	Definition: File download link in release repos. Value range: A string of 0 to 10,000 characters.
category	String	Definition: Package status. Value range: test: test package prod: released package

Status code: 403

Table 4-58 Response body parameters

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

Status code: 500

Table 4-59 Response body parameters

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

Example Requests

[illegible]

Example Responses

Status code: 200

OK

```
{
  "result": {
    "data": [ {
      "version": "20250715.3",
      "path": "/mvn_repo0708-build/20250715.3/",
      "category": "test",
      "download_url": "https://devrepo.devcloud.xxxxx.com/DevRepoServer/v1/files/download?filename=87833d41dae1465ca96b31f6d34f067d/mvn_repo0708-build/20250715.3/pom.xml"
    } ],
    "total_records": 1,
    "total_pages": 1
  },
  "error": null,
  "status": "success",
  "traceld": "975cfa3b57fe4b08944f3426c1056191"
}
```

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."
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowProjectReleaseFilesSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowProjectReleaseFilesRequest request = new ShowProjectReleaseFilesRequest();
        request.withProjectId("{project_id}");
        try {
            ShowProjectReleaseFilesResponse response = client.showProjectReleaseFiles(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowProjectReleaseFilesRequest()
        request.project_id = "{project_id}"
        response = client.show_project_release_files(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())
```

```
request := &model.ShowProjectReleaseFilesRequest{}
request.ProjectId = "{project_id}"
response, err := client.ShowProjectReleaseFiles(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK
403	Forbidden
500	Internal Error

Error Codes

See [Error Codes](#).

4.9 Recycle Bin

4.9.1 Batch Restoring Packages in Recycle Bin

Function

Restore packages in the recycle bin in batches.

Calling Method

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

URI

PUT /cloudartifact/v5/trashes

Request Parameters

Table 4-60 Request body parameters

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

Table 4-61 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. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
format	Yes	String	Definition: Package type. Constraints: N/A Value range: maven2, docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic. Default value: None
status	Yes	String	Definition: Current repository status. Constraints: N/A Value range: active: Normal. trash: Deprecated. delete: Deleted. Default value: None
uri	Yes	String	Definition: Repository path to be restored. Constraints: N/A Value range: N/A Default value: None

Response Parameters

Status code: 200

Table 4-62 Response body parameters

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

Table 4-63 TrashcanResultData

Parameter	Type	Description
successNum	Integer	Definition: Number of successful items. Value range: N/A
failedNum	Integer	Definition: Number of failed items. Value range: N/A
failedMessages	Array of strings	Definition: Failure cause. Value range: N/A

Example Requests

Restore packages in the recycle bin in batches.

```
/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
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Restore packages in the recycle bin in batches.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

import java.util.List;
import java.util.ArrayList;

public class BatchRestoreRepoSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        BatchRestoreRepoRequest request = new BatchRestoreRepoRequest();
        List<IDETrashArtifactModel> listbodyBody = new ArrayList<>();
```

```
listbodyBody.add(
    new IDETrashArtifactModel()
        .withId("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4")
        .withFormat("go")
        .withStatus("active")
        .withUri("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/")
);
listbodyBody.add(
    new IDETrashArtifactModel()
        .withId("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23")
        .withFormat("maven2")
        .withStatus("active")
        .withUri("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23/")
);
request.withBody(listbodyBody);
try {
    BatchRestoreRepoResponse response = client.batchRestoreRepo(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

Restore packages in the recycle bin in batches.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = BatchRestoreRepoRequest()
        listBodybody = [
            IDETrashArtifactModel(
                id="xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",
                format="go",
                status="active",
                uri="xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/"
            ),
        ],
```

```
        IDETrashArtifactModel(  
            id="xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23",  
            format="maven2",  
            status="active",  
            uri="xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23/"  
        )  
    ]  
    request.body = listBodybody  
    response = client.batch_restore_repo(request)  
    print(response)  
except exceptions.ClientRequestException as e:  
    print(e.status_code)  
    print(e.request_id)  
    print(e.error_code)  
    print(e.error_msg)
```

Go

Restore packages in the recycle bin in batches.

```
package main  
  
import (  
    "fmt"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"  
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"  
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"  
)  
  
func main() {  
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    // variables and decrypted during use to ensure security.  
    // In this example, AK and SK are stored in environment variables for authentication. Before running this  
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak := os.Getenv("CLOUD_SDK_AK")  
    sk := os.Getenv("CLOUD_SDK_SK")  
  
    auth := basic.NewCredentialsBuilder().  
        WithAk(ak).  
        WithSk(sk).  
        Build()  
  
    client := codeartsartifact.NewCodeArtsArtifactClient(  
        codeartsartifact.CodeArtsArtifactClientBuilder().  
            WithRegion(region.ValueOf("<YOUR REGION>")).  
            WithCredential(auth).  
            Build())  
  
    request := &model.BatchRestoreRepoRequest{  
        idBody:= "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4"  
        formatBody:= "go"  
        statusBody:= "active"  
        uriBody:= "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/"  
        idBody1:= "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23"  
        formatBody1:= "maven2"  
        statusBody1:= "active"  
        uriBody1:= "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23/"  
        var listBodybody = []model.IdeTrashArtifactModel{  
            {  
                Id: &idBody,  
                Format: &formatBody,  
                Status: &statusBody,  
                Uri: &uriBody,  
            },  
            {  
                Id: &idBody1,  
                Format: &formatBody1,  

```

```
        Status: &statusBody1,  
        Uri: &uriBody1,  
    },  
}  
request.Body = &listBodybody  
response, err := client.BatchRestoreRepo(request)  
if err == nil {  
    fmt.Printf("%v\n", response)  
} else {  
    fmt.Println(err)  
}  
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.9.2 Batch Deleting Packages in Recycle Bin

Function

Delete packages in the recycle bin in batches.

Calling Method

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

URI

DELETE /cloudartifact/v5/trashes

Request Parameters

Table 4-64 Request body parameters

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

Table 4-65 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. Value range: N/A Default value: None
format	Yes	String	Definition: Package type. Constraints: N/A Value 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: Path of the repository to be deleted. Constraints: N/A Value range: N/A Default value: None
status	Yes	String	Definition: Status. Constraints: N/A Value range: active: Normal. trash: Deprecated. delete: Deleted. Default value: None
include_pattern	No	String	Definition: Include patterns. Constraints: N/A Value range: N/A Default value: None

Response Parameters

Status code: 200

Table 4-66 Response body parameters

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

Table 4-67 TrashcanResultData

Parameter	Type	Description
successNum	Integer	Definition: Number of successful items. Value range: N/A
failedNum	Integer	Definition: Number of failed items. Value range: N/A
failedMessages	Array of strings	Definition: Failure cause. Value range: N/A

Example Requests

Delete packages in the recycle bin in batches.

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

[{

```
"id" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43",
"format" : "debian",
"uri" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/",
"status" : "active"
}, {
  "id" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",
  "format" : "go",
  "uri" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/",
  "status" : "active"
}]
```

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

Delete packages in the recycle bin in batches.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

import java.util.List;
import java.util.ArrayList;

public class BatchDeleteTrashesSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        BatchDeleteTrashesRequest request = new BatchDeleteTrashesRequest();
        List<TrashArtifactModelForDelete> listbodyBody = new ArrayList<>();
```

```
listbodyBody.add(
    new TrashArtifactModelForDelete()
        .withId("xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43")
        .withUri("xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/")
        .withStatus("active")
);
listbodyBody.add(
    new TrashArtifactModelForDelete()
        .withId("xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4")
        .withUri("xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/")
        .withStatus("active")
);
request.withBody(listbodyBody);
try {
    BatchDeleteTrashesResponse response = client.batchDeleteTrashes(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

Delete packages in the recycle bin in batches.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = BatchDeleteTrashesRequest()
        listBodybody = [
            TrashArtifactModelForDelete(
                id="xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43",
                uri="xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/",
                status="active"
            ),
            TrashArtifactModelForDelete(
                id="xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",
                uri="xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/",
```

```
        status="active"
    )
]
request.body = listBodybody
response = client.batch_delete_trashes(request)
print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

Delete packages in the recycle bin in batches.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.BatchDeleteTrashesRequest{}
    var listBodybody = []model.TrashArtifactModelForDelete{
        {
            Id: "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_debian_43",
            Uri: "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_debian_43/",
            Status: "active",
        },
        {
            Id: "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_go_4",
            Uri: "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_go_4/",
            Status: "active",
        },
    }
    request.Body = &listBodybody
    response, err := client.BatchDeleteTrashes(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10 Repository Management

4.10.1 Creating a Maven Repository

Function

Create a Maven repository.

Calling Method

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

URI

POST /cloudartifact/v5/maven/repositories

Request Parameters

Table 4-68 Request body parameters

Parameter	Mandatory	Type	Description
repository_name	Yes	String	Definition: Repository name. Constraints: A string of 1 to 50 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
format	Yes	String	Definition: Package type. Constraints: N/A Value range: maven2. Default value: None
description	No	String	Definition: Repository description. Constraints: Maximum length: 200 characters. Value range: N/A Default value: None
release	No	String	Definition: Release repository name. Constraints: A string of 1 to 50 characters. Value range: N/A Default value: None
snapshot	No	String	Definition: Snapshot repository name. Constraints: A string of 1 to 50 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
includes_pattern	No	String	Definition: Include patterns. Constraints: Maximum length: 512 characters. Value range: N/A Default value: None
share_right	No	String	Definition: Shared permission. Constraints: N/A Value range: PROJECT Default value: None
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

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

Response Parameters

Status code: 200

Table 4-69 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	CreateMavenRepoResult object	Definition: Information about the created Maven repository. Value range: N/A

Table 4-70 CreateMavenRepoResult

Parameter	Type	Description
release	String	Definition: ID of the release repository. Value range: N/A
snapshot	String	Definition: Id of the snapshot repository. Value range: N/A

Example Requests

Creating a Maven Repository

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/maven/repositories
{
  "repository_name": "testmaven",
  "format": "maven2",
  "description": "",
  "release": "testmaven",
  "snapshot": "testmaven",
  "includes_pattern": "**/*",
  "share_right": "PROJECT",
  "project_id": "e2ee90487d6349dd944a5767225f6f55",
  "type": "hosted"
}
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701175135227-77",
  "result": {
    "release": "xx-xxxxx-x_5a775fdbcb14f4431b6c0015618140bc3_maven_1_201",
    "snapshot": "xx-xxxxx-x_5a775fdbcb14f4431b6c0015618140bc3_maven_2_201"
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Creating a Maven Repository

```
package com.huaweicloud.sdk.test;
```

```
import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class CreateMavenRepoSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        CreateMavenRepoRequest request = new CreateMavenRepoRequest();
        IDERepositoryDO body = new IDERepositoryDO();
        body.withType("hosted");
        body.withProjectId("e2ee90487d6349dd944a5767225f6f55");
        body.withShareRight("PROJECT");
        body.withIncludesPattern("**/*");
        body.withSnapshot("testmaven");
        body.withRelease("testmaven");
        body.withDescription("");
        body.withFormat("maven2");
        body.withRepositoryName("testmaven");
        request.withBody(body);
        try {
            CreateMavenRepoResponse response = client.createMavenRepo(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

Creating a Maven Repository

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *
```

```
if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateMavenRepoRequest()
        request.body = IDERepositoryDO(
            type="hosted",
            project_id="e2ee90487d6349dd944a5767225f6f55",
            share_right="PROJECT",
            includes_pattern="**/*",
            snapshot="testmaven",
            release="testmaven",
            description="",
            format="maven2",
            repository_name="testmaven"
        )
        response = client.create_maven_repo(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Creating a Maven Repository

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
```

```
WithCredential(auth).
Build()

request := &model.CreateMavenRepoRequest{
    typeIdeRepositoryDo:= "hosted"
    projectIdIdeRepositoryDo:= "e2ee90487d6349dd944a5767225f6f55"
    shareRightIdeRepositoryDo:= "PROJECT"
    includesPatternIdeRepositoryDo:= "**/*"
    snapshotIdeRepositoryDo:= "testmaven"
    releaseIdeRepositoryDo:= "testmaven"
    descriptionIdeRepositoryDo:= ""
    formatIdeRepositoryDo:= "maven2"
    repositoryNameIdeRepositoryDo:= "testmaven"
    request.Body = &model.IdeRepositoryDo{
        Type: &typeIdeRepositoryDo,
        ProjectId: &projectIdIdeRepositoryDo,
        ShareRight: &shareRightIdeRepositoryDo,
        IncludesPattern: &includesPatternIdeRepositoryDo,
        Snapshot: &snapshotIdeRepositoryDo,
        Release: &releaseIdeRepositoryDo,
        Description: &descriptionIdeRepositoryDo,
        Format: &formatIdeRepositoryDo,
        RepositoryName: &repositoryNameIdeRepositoryDo,
    }
    response, err := client.CreateMavenRepo(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.2 Editing a Repository

Function

Edit a repository.

Calling Method

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

URI

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

Table 4-71 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 Value range: N/A Default value: N/A

Request Parameters

Table 4-72 Request body parameters

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Definition: Repository name. Constraints: A string of 1 to 20 characters. Value range: N/A Default value: None
includes_patterns	Yes	String	Definition: Include patterns. Constraints: Maximum length: 512 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
description	No	String	Definition: Repository description. Constraints: Maximum length: 200 characters. Value range: N/A Default value: None
snapshot	No	String	Definition: Snapshot repository name. Constraints: A string of 1 to 20 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
release	No	String	Definition: Release repository name. Constraints: A string of 1 to 20 characters. Value range: N/A Default value: None

Response Parameters

Status code: 200

Table 4-73 Response body parameters

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

Table 4-74 MavenTabRepo

Parameter	Type	Description
release	String	Definition: Release repository name. Value range: N/A
snapshot	String	Definition: Snapshot repository name. Value range: N/A

Example Requests

Edit a Maven repository.

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

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

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "143002-1701175397265-80",
  "result" : {
    "release" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_201",
    "snapshot" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201"
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Edit a Maven repository.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
```

```
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ModifyRepositorySolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ModifyRepositoryRequest request = new ModifyRepositoryRequest();
        request.withTabId("{tab_id}");
        IDERepositoryPair body = new IDERepositoryPair();
        body.withRelease("testmaven");
        body.withSnapshot("testmaven");
        body.withDescription("12");
        body.withIncludesPattern("**/*");
        body.withRepoName("testmaven");
        request.withBody(body);
        try {
            ModifyRepositoryResponse response = client.modifyRepository(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

Edit a Maven repository.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
```

```
ak = os.environ["CLOUD_SDK_AK"]
sk = os.environ["CLOUD_SDK_SK"]

credentials = BasicCredentials(ak, sk)

client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = ModifyRepositoryRequest()
    request.tab_id = "{tab_id}"
    request.body = IDERepositoryPair(
        release="testmaven",
        snapshot="testmaven",
        description="12",
        includes_pattern="**/*",
        repo_name="testmaven"
    )
    response = client.modify_repository(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

Edit a Maven repository.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ModifyRepositoryRequest{}
    request.TabId = "{tab_id}"
    releaseIdeRepositoryPair := "testmaven"
    snapshotIdeRepositoryPair := "testmaven"
    descriptionIdeRepositoryPair := "12"
    includesPatternIdeRepositoryPair := "**/*"
    repoNameIdeRepositoryPair := "testmaven"
```

```
request.Body = &model.IdeRepositoryPair{
    Release: &releaseldeRepositoryPair,
    Snapshot: &snapshotIdeRepositoryPair,
    Description: &descriptionIdeRepositoryPair,
    IncludesPattern: &includesPatternIdeRepositoryPair,
    RepoName: &repoNameIdeRepositoryPair,
}
response, err := client.ModifyRepository(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.3 Viewing Repository Information

Function

View repository information.

Calling Method

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

URI

GET /cloudartifact/v5/repositories/{repo_id}

Table 4-75 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 Value 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 4-76 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	RepositoryDO object	Definition: Repository information. Value range: N/A

Table 4-77 RepositoryDO

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

Parameter	Type	Description
modifiedTime	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
createdUserId	String	Definition: Creator ID. Value range: N/A
createdUserName	String	Definition: Creator name. Value range: N/A
modifiedUserId	String	Definition: Modifier ID. Value range: N/A
modifiedUserName	String	Definition: Modifier name. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A
disable	Boolean	Definition: Disabled or not. Value range: N/A
format	String	Definition: Package type. Value 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. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition: Repository policies. Value 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. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
displayName	String	Definition: Repository name displayed. Value range: N/A
description	String	Definition: Repository description. Value range: N/A
snapshot	String	Definition: Snapshot repository name. Either Release or Snapshot or both must be selected. Value range: N/A

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

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

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

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

Example Requests

View repository information.

```
https://artifact.cn-south-1.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.xxxxxxx.huawei.com/artgalaxy/xx-xxxx-
x_5a775fdb14f4431b6c0015618140bc3_maven_1_201/",
"packageType" : "maven"
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowRepositoryInfoSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowRepositoryInfoRequest request = new ShowRepositoryInfoRequest();
        request.withRepoid("{repo_id}");
        try {
            ShowRepositoryInfoResponse response = client.showRepositoryInfo(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

```
}  
}
```

Python

```
# coding: utf-8  
  
import os  
from huaweicloudsdkcore.auth.credentials import BasicCredentials  
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion  
from huaweicloudsdkcore.exceptions import exceptions  
from huaweicloudsdkcodeartsartifact.v2 import *  
  
if __name__ == "__main__":  
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    # variables and decrypted during use to ensure security.  
    # In this example, AK and SK are stored in environment variables for authentication. Before running this  
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak = os.environ["CLOUD_SDK_AK"]  
    sk = os.environ["CLOUD_SDK_SK"]  
  
    credentials = BasicCredentials(ak, sk)  
  
    client = CodeArtsArtifactClient.new_builder() \  
        .with_credentials(credentials) \  
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \  
        .build()  
  
    try:  
        request = ShowRepositoryInfoRequest()  
        request.repo_id = "{repo_id}"  
        response = client.show_repository_info(request)  
        print(response)  
    except exceptions.ClientRequestException as e:  
        print(e.status_code)  
        print(e.request_id)  
        print(e.error_code)  
        print(e.error_msg)
```

Go

```
package main  
  
import (  
    "fmt"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"  
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"  
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"  
)  
  
func main() {  
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    // variables and decrypted during use to ensure security.  
    // In this example, AK and SK are stored in environment variables for authentication. Before running this  
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak := os.Getenv("CLOUD_SDK_AK")  
    sk := os.Getenv("CLOUD_SDK_SK")  
  
    auth := basic.NewCredentialsBuilder().  
        WithAk(ak).  
        WithSk(sk).  
        Build()  
  
    client := codeartsartifact.NewCodeArtsArtifactClient(  
        codeartsartifact.CodeArtsArtifactClientBuilder().  
            WithRegion(region.ValueOf("<YOUR REGION>")).
```

```
        WithCredential(auth).  
        Build())  
  
    request := &model.ShowRepositoryInfoRequest{  
        request.RepoId = "{repo_id}"  
    }  
    response, err := client.ShowRepositoryInfo(request)  
    if err == nil {  
        fmt.Printf("%v\n", response)  
    } else {  
        fmt.Println(err)  
    }  
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.4 Creating a Docker Registry

Function

Create a Docker registry.

Calling Method

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

URI

POST /cloudartifact/v5/repositories

Request Parameters

Table 4-78 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Definition: Package type. Constraints: N/A Value 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. Value range: N/A Default value: None
description	No	String	Definition: Repository description. Constraints: Maximum length: 200 characters. Value range: N/A Default value: None

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

Response Parameters

Status code: 200

Table 4-79 Response body parameters

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

Example Requests

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  
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Request example for creating a Docker registry.

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;  
import com.huaweicloud.sdk.codeartsartifact.v2.*;  
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;  
  
public class CreateDockerRepositoriesSolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))  
            .build();  
        CreateDockerRepositoriesRequest request = new CreateDockerRepositoriesRequest();  
        CreateDockerRepositoryDO body = new CreateDockerRepositoryDO();  
        body.withType("Hosted");  
        body.withDescription("string");  
        body.withDisplayName("string");  
        body.withFormat("docker");  
        request.withBody(body);  
        try {  
            CreateDockerRepositoriesResponse response = client.createDockerRepositories(request);  
            System.out.println(response.toString());  
        }  
    }  
}
```

```
    } catch (ConnectionException e) {  
        e.printStackTrace();  
    } catch (RequestTimeoutException e) {  
        e.printStackTrace();  
    } catch (ServiceResponseException e) {  
        e.printStackTrace();  
        System.out.println(e.getHttpStatusCode());  
        System.out.println(e.getRequestId());  
        System.out.println(e.getErrorCode());  
        System.out.println(e.getErrorMsg());  
    }  
}  
}
```

Python

Request example for creating a Docker registry.

```
# coding: utf-8
```

```
import os  
from huaweicloudsdkcore.auth.credentials import BasicCredentials  
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion  
from huaweicloudsdkcore.exceptions import exceptions  
from huaweicloudsdkcodeartsartifact.v2 import *  
  
if __name__ == "__main__":  
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    # variables and decrypted during use to ensure security.  
    # In this example, AK and SK are stored in environment variables for authentication. Before running this  
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak = os.environ["CLOUD_SDK_AK"]  
    sk = os.environ["CLOUD_SDK_SK"]  
  
    credentials = BasicCredentials(ak, sk)  
  
    client = CodeArtsArtifactClient.new_builder() \  
        .with_credentials(credentials) \  
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \  
        .build()  
  
    try:  
        request = CreateDockerRepositoriesRequest()  
        request.body = CreateDockerRepositoryDO(  
            type="Hosted",  
            description="string",  
            display_name="string",  
            format="docker"  
        )  
        response = client.create_docker_repositories(request)  
        print(response)  
    except exceptions.ClientRequestException as e:  
        print(e.status_code)  
        print(e.request_id)  
        print(e.error_code)  
        print(e.error_msg)
```

Go

Request example for creating a Docker registry.

```
package main  
  
import (  
    "fmt"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"  
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
```

```
"github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreateDockerRepositoriesRequest{
        descriptionCreateDockerRepositoryDo:= "string"
        request.Body = &model.CreateDockerRepositoryDo{
            Type: "Hosted",
            Description: &descriptionCreateDockerRepositoryDo,
            DisplayName: "string",
            Format: "docker",
        }
    }
    response, err := client.CreateDockerRepositories(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.5 Moving a Repository to the Recycle Bin

Function

Move a repository to the recycle bin.

Calling Method

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

URI

DELETE /cloudartifact/v5/repositories

Request Parameters

Table 4-80 Request body parameters

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

Response Parameters

Status code: 200

Table 4-81 Response body parameters

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

Example Requests

Delete a repository.

```
https://artifact.cn-south-1.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
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Delete a repository.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class DeleteRepositorySolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        DeleteRepositoryRequest request = new DeleteRepositoryRequest();
        IDERepoRevisionModel body = new IDERepoRevisionModel();
        body.withFormat("maven2");
        body.withRepositoryIds("[xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201]");
        request.withBody(body);
        try {
            DeleteRepositoryResponse response = client.deleteRepository(request);
            System.out.println(response.toString());
        } catch (ServiceResponseException e) {
            e.printStackTrace();
        }
    }
}
```

```
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

Delete a repository.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeleteRepositoryRequest()
        request.body = IDERepoRevisionModel(
            format="maven2",
            repository_ids=["xx-xxxxx-x_5a775fdbcb14f4431b6c0015618140bc3_maven_2_201"]
        )
        response = client.delete_repository(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Delete a repository.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
```

```
)  
  
func main() {  
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    // variables and decrypted during use to ensure security.  
    // In this example, AK and SK are stored in environment variables for authentication. Before running this  
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak := os.Getenv("CLOUD_SDK_AK")  
    sk := os.Getenv("CLOUD_SDK_SK")  
  
    auth := basic.NewCredentialsBuilder().  
        WithAk(ak).  
        WithSk(sk).  
        Build()  
  
    client := codeartsartifact.NewCodeArtsArtifactClient(  
        codeartsartifact.CodeArtsArtifactClientBuilder().  
            WithRegion(region.ValueOf("<YOUR REGION>")).  
            WithCredential(auth).  
            Build())  
  
    request := &model.DeleteRepositoryRequest{  
        formatIdeRepoRevisionModel:= "maven2"  
        repositoryIdsIdeRepoRevisionModel:= "[xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201]"  
        request.Body = &model.IdeRepoRevisionModel{  
            Format: &formatIdeRepoRevisionModel,  
            RepositoryIds: &repositoryIdsIdeRepoRevisionModel,  
        }  
        response, err := client.DeleteRepository(request)  
        if err == nil {  
            fmt.Printf("%+v\n", response)  
        } else {  
            fmt.Println(err)  
        }  
    }  
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

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

Function

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

Calling Method

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

URI

GET /cloudartifact/v5/maven/info

Table 4-82 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
policy	No	String	Definition: Repository type. The options are snapshot or release . Constraints: N/A Value range: snapshot and release Default value: N/A

Parameter	Mandatory	Type	Description
access	No	String	Definition: Permission filtering setting, which allows read (r) and read-write (rw) permissions. Constraints: N/A Value range: r and rw. Default value: r.
default	No	String	Definition: Whether to return the default repository. Constraints: N/A Value range: true and false. Default value: false
ids	No	String	Definition: Repository IDs. Use commas (,) to separate multiple repository IDs. The repository ID is in the format of <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 Value range: Maximum length: 512 characters. Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-83 Response body parameters

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

Table 4-84 RepositoryBuildVO

Parameter	Type	Description
username	String	Definition: Account. Value range: N/A
password	String	Definition: Password. Value range: N/A

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

Parameter	Type	Description
modifiedUserId	String	Definition: Modifier ID. Value range: N/A
modifiedUserName	String	Definition: Modifier name. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A
disable	Boolean	Definition: Disabled or not. Value range: N/A
format	String	Definition: Package type. Value range: maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
type	String	Definition: Repository type. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition: Repository policies. Value 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. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
displayName	String	Definition: Repository name displayed. Value range: N/A
description	String	Definition: Repository description. Value range: N/A
snapshot	String	Definition: Snapshot repository name. Either Release or Snapshot or both must be selected. Value range: N/A
release	String	Definition: Release repository name. Either Release or Snapshot or both must be selected. Value range: N/A
npm	String	Definition: npm. Value range: N/A

Parameter	Type	Description
snapshotStatus	String	Definition: Snapshot repository status. Value range: N/A
releaseStatus	String	Definition: Release repository status. Value range: N/A
projectId	String	Definition: Project ID. Value range: N/A
includesPattern	String	Definition: Include patterns. Value range: N/A
repositoryIds	Array of strings	Definition: Repository ID list. Value range: N/A
uri	String	Definition: URI. Value range: N/A
deploymentPolicy	String	Definition: Deployment policies. Value range: N/A
repositories	Array of strings	Definition: Repository list. Value range: N/A
parentRepoName	String	Definition: Parent repository name. Value range: N/A

Parameter	Type	Description
userName	String	Definition: Username. Value range: N/A
remoteUrl	String	Definition: Proxy repository address. Value range: N/A
defaultDeployRepository	String	Definition: Default repository. Value range: N/A
remoteType	String	Definition: Proxy repository type. Value range: public: public proxy repository customize: custom proxy repository
proxy	String	Definition: Proxy. Value range: N/A
allowAnonymous	Boolean	Definition: Anonymous download allowed or not. Value range: N/A
autoCleanSnapshot	Boolean	Definition: Automatic snapshot version clearing enabled or not. Value range: N/A
snapshotAliveDays	String	Definition: Validity period of a snapshot version, in days. Value range: N/A

Parameter	Type	Description
maxUniqueSnapshots	String	Definition: Max. number of snapshots. Value range: N/A
shareRight	String	Definition: Shared permission. Value range: PROJECT
nexuRepo	Boolean	Definition: Nexus repository or not. Value range: N/A
url	String	Definition: Repository URL. Value range: N/A
packageType	String	Definition: Package type. Value range: maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Example Requests

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

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

Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143002-1701176094147-90",  
  "result": [ {  
    "status": "active",  
    "domainId": "5a775fdcb14f4431b6c0015618140bc3",  
    "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-xxxx-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-xxxx-x_5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
"url" : "https://devrepo.devcloud.xx-xxxx-x.xxxxxxx.huawei.com/artgalaxy/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_5_120/",
"packageType" : "maven"
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowMavenInfoSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
```

```
environment variables and decrypted during use to ensure security.
// In this example, AK and SK are stored in environment variables for authentication. Before running
this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
String ak = System.getenv("CLOUD_SDK_AK");
String sk = System.getenv("CLOUD_SDK_SK");

ICredential auth = new BasicCredentials()
    .withAk(ak)
    .withSk(sk);

CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
    .build();
ShowMavenInfoRequest request = new ShowMavenInfoRequest();
try {
    ShowMavenInfoResponse response = client.showMavenInfo(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowMavenInfoRequest()
        response = client.show_maven_info(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowMavenInfoRequest{}
    response, err := client.ShowMavenInfo(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.7 Creating a Non-Maven Repository

Function

Create a non-Maven repository.

Calling Method

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

URI

POST /cloudartifact/v5/artifact/

Request Parameters

Table 4-85 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Definition: Package type. Constraints: N/A Value 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 Value range: hosted: local repository Default value: None

Parameter	Mandatory	Type	Description
repository_name	Yes	String	Definition: Repository name. Constraints: A string of 1 to 50 characters. Value range: N/A Default value: None
description	No	String	Definition: Repository description. Constraints: Maximum length: 200 characters. Value range: N/A Default value: None
includes_pattern	Yes	String	Definition: Include patterns. Constraints: Maximum length: 512 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
share_right	No	String	Definition: Shared permission. Constraints: N/A Value range: PROJECT Default value: None

Response Parameters

Status code: 200

Table 4-86 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	CreateArtifactFactoryResult object	Definition: Repository information. Value range: N/A

Table 4-87 CreateArtifactFactoryResult

Parameter	Type	Description
artifactory	RepositoryDO object	Definition: Repository information. Value range: N/A

Table 4-88 RepositoryDO

Parameter	Type	Description
status	String	Definition: Repository status. Value range: active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domainId	String	Definition: Tenant ID. Value range: N/A

Parameter	Type	Description
region	String	Definition: Region. Value range: N/A
createdTime	String	Definition: Creation time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
modifiedTime	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
createdUserId	String	Definition: Creator ID. Value range: N/A
createdUserName	String	Definition: Creator name. Value range: N/A
modifiedUserId	String	Definition: Modifier ID. Value range: N/A
modifiedUserName	String	Definition: Modifier name. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A

Parameter	Type	Description
disable	Boolean	Definition: Disabled or not. Value range: N/A
format	String	Definition: Package type. Value range: maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
type	String	Definition: Repository type. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition: Repository policies. Value 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. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
displayName	String	Definition: Repository name displayed. Value range: N/A

Parameter	Type	Description
description	String	Definition: Repository description. Value range: N/A
snapshot	String	Definition: Snapshot repository name. Either Release or Snapshot or both must be selected. Value range: N/A
release	String	Definition: Release repository name. Either Release or Snapshot or both must be selected. Value range: N/A
npm	String	Definition: npm. Value range: N/A
snapshotStatus	String	Definition: Snapshot repository status. Value range: N/A
releaseStatus	String	Definition: Release repository status. Value range: N/A
projectId	String	Definition: Project ID. Value range: N/A
includesPattern	String	Definition: Include patterns. Value range: N/A

Parameter	Type	Description
repositoryIds	Array of strings	Definition: Repository ID list. Value range: N/A
uri	String	Definition: URI. Value range: N/A
deploymentPolicy	String	Definition: Deployment policies. Value range: N/A
repositories	Array of strings	Definition: Repository list. Value range: N/A
parentRepoName	String	Definition: Parent repository name. Value range: N/A
userName	String	Definition: Username. Value range: N/A
password	String	Definition: Password. Value range: N/A
remoteUrl	String	Definition: Proxy repository address. Value range: N/A
defaultDeployRepository	String	Definition: Default repository. Value range: N/A

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

Parameter	Type	Description
url	String	Definition: Repository URL. Value range: N/A
packageType	String	Definition: Package type. Value range: maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.

Example Requests

Create a non-Maven repository.

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

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

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143003-1701176455154-4616",
  "result": {
    "artifactory": {
      "status": null,
      "domainId": "5a775fdb14f4431b6c0015618140bc3",
      "region": "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-xxxxx-x.xxxxxxx.huawei.com/artgalaxy/api/pypi/xx-xxxxx-
x_5a775fdb14f4431b6c0015618140bc3_pypi_41/",
"packageType" : "pypi"
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Create a non-Maven repository.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class CreateArtifactorySolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);
```

```
CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
    .build();
CreateArtifactoryRequest request = new CreateArtifactoryRequest();
CreateNotMavenRepoDO body = new CreateNotMavenRepoDO();
body.withShareRight("PROJECT");
body.withProjectId("e2ee90487d6349dd944a5767225f6f55");
body.withIncludesPattern("**/*");
body.withDescription("");
body.withRepositoryName("test-pypi");
body.withType("hosted");
body.withFormat("pypi");
request.withBody(body);
try {
    CreateArtifactoryResponse response = client.createArtifactory(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrMsg());
}
}
```

Python

Create a non-Maven repository.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateArtifactoryRequest()
        request.body = CreateNotMavenRepoDO(
            share_right="PROJECT",
            project_id="e2ee90487d6349dd944a5767225f6f55",
            includes_pattern="**/*",
            description="",
            repository_name="test-pypi",
            type="hosted",
```

```
        format="pypi"
    )
    response = client.create_artifactory(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

Create a non-Maven repository.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreateArtifactoryRequest{
        shareRightCreateNotMavenRepoDo:= "PROJECT"
        projectIdCreateNotMavenRepoDo:= "e2ee90487d6349dd944a5767225f6f55"
        descriptionCreateNotMavenRepoDo:= ""
        request.Body = &model.CreateNotMavenRepoDo{
            ShareRight: &shareRightCreateNotMavenRepoDo,
            ProjectId: &projectIdCreateNotMavenRepoDo,
            IncludesPattern: "***/*",
            Description: &descriptionCreateNotMavenRepoDo,
            RepositoryName: "test-pypi",
            Type: "hosted",
            Format: "pypi",
        }
    }
    response, err := client.CreateArtifactory(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.8 Editing Non-Maven Repository Information

Function

Edit non-maven repository information.

Calling Method

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

URI

PUT /cloudartifact/v5/artifact/

Request Parameters

Table 4-89 Request body parameters

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Definition: Repository name. Constraints: A string of 1 to 20 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
format	Yes	String	Definition: Package type. Constraints: N/A Value 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. Value 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. Value range: N/A Default value: None
includes_pattern	Yes	String	Definition: Include patterns. Constraints: Maximum length: 512 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
deployment_policy	No	String	Definition: Deployment policies. Constraints: N/A Value 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 Value range: N/A Default value: None
snapshot_alive_days	No	String	Definition: Snapshot storage duration. Constraints: N/A Value range: N/A Default value: None
max_unique_snapshots	No	String	Definition: Maximum number of different snapshots. Constraints: N/A Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
allow_anonymous	No	Boolean	Definition: Anonymous access allowed or not. Constraints: N/A Value range: N/A Default value: N/A
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Response Parameters

Status code: 200

Table 4-90 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	Object	Definition: The API response varies depending on the request. Value range: The value range varies according to the API.

Example Requests

Update a mon-Maven repository.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/artifact/
{
  "repository_ids" : [ "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_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
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Update a mon-Maven repository.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
```

```
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

import java.util.List;
import java.util.ArrayList;

public class UpdateArtifactorySolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR_REGION>"))
            .build();
        UpdateArtifactoryRequest request = new UpdateArtifactoryRequest();
        UpdateNotMavenRepoDO body = new UpdateNotMavenRepoDO();
        List<String> listbodyRepositoryIds = new ArrayList<>();
        listbodyRepositoryIds.add("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_41");
        body.withDeploymentPolicy("allowRedeploy");
        body.withIncludesPattern("11/**/*,22/**/*");
        body.withRepositoryIds(listbodyRepositoryIds);
        body.withDescription("11");
        body.withFormat("pypi");
        body.withRepoName("test-pypi");
        request.withBody(body);
        try {
            UpdateArtifactoryResponse response = client.updateArtifactory(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

Update a mon-Maven repository.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
```

risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment variables and decrypted during use to ensure security.

In this example, AK and SK are stored in environment variables for authentication. Before running this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment

```
ak = os.environ["CLOUD_SDK_AK"]
sk = os.environ["CLOUD_SDK_SK"]

credentials = BasicCredentials(ak, sk)

client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = UpdateArtifactoryRequest()
    listRepositoryIdsbody = [
        "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_41"
    ]
    request.body = UpdateNotMavenRepoDO(
        deployment_policy="allowRedeploy",
        includes_pattern="11/**/*,22/**/*",
        repository_ids=listRepositoryIdsbody,
        description="11",
        format="pypi",
        repo_name="test-pypi"
    )
    response = client.update_artifactory(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

Update a mon-Maven repository.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())
```

```
request := &model.UpdateArtifactoryRequest{}
var listRepositoryIdsbody = []string{
    "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_41",
}
deploymentPolicyUpdateNotMavenRepoDo:= "allowRedeploy"
includesPatternUpdateNotMavenRepoDo:= "11/**/*,22/**/*"
descriptionUpdateNotMavenRepoDo:= "11"
request.Body = &model.UpdateNotMavenRepoDo{
    DeploymentPolicy: &deploymentPolicyUpdateNotMavenRepoDo,
    IncludesPattern: &includesPatternUpdateNotMavenRepoDo,
    RepositoryIds: listRepositoryIdsbody,
    Description: &descriptionUpdateNotMavenRepoDo,
    Format: "pypi",
    RepoName: "test-pypi",
}
response, err := client.UpdateArtifactory(request)
if err == nil {
    fmt.Printf("%v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.9 Querying the Docker Registry List and Account Password of a Tenant

Function

Query the Docker registry list and account password of a tenant. Cross-tenant Docker registry list and account password are supported.

Calling Method

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

URI

GET /cloudartifact/v5/docker/info

Table 4-91 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
policy	No	String	Definition: Repository type. The options are snapshot or release . Constraints: N/A Value 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 Value range: r and rw . Default value: r .

Parameter	Mandatory	Type	Description
default	No	String	Definition: Whether to return the default repository. Constraints: N/A Value range: true and false . Default value: false
ids	No	String	Definition: Repository IDs. Use commas (,) to separate multiple repository IDs. The repository ID is in the format of <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 Value range: Maximum length: 512 characters. Default value: N/A

Request Parameters

Table 4-92 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 4-93 Response body parameters

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

Parameter	Type	Description
result	Array of objects	Definition: The API response varies depending on the request. Value range: The value range varies according to the API.

Example Requests

Query the Docker registry list and account password of a tenant.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/docker/info?
project_id=e2ee90487d6349dd944a5767225f6f55&access=rw&default=true
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "1de49b2d886e4a2e9e7f333a298a3fc6",
  "result": [ {
    "status": "active",
    "domainId": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "region": "xx-xxxx-x",
    "createdTime": "2023-10-09 14:43:36",
    "modifiedTime": "2024-04-01 10:50:52",
    "createdUserId": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "createdUserName": "devcloud_devcloud_y00226182_05",
    "modifiedUserId": null,
    "modifiedUserName": null,
    "name": "xx-xxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_docker2_0",
    "disable": false,
    "format": "docker2",
    "type": "hosted",
    "policy": null,
    "tabId": null,
    "repositoryName": "docker2_test",
    "displayName": null,
    "description": "ccc",
    "snapshot": null,
    "release": null,
    "npm": null,
    "snapshotStatus": null,
    "releaseStatus": null,
    "projectId": "b98504a5be234fb7b47238c47ca4bb51",
    "includesPattern": "aaaa/**/*",
    "excludesPattern": null,
    "repositoryIds": null,
    "uri": null,
    "deploymentPolicy": null,
    "repositories": null,
    "parentRepoName": null,
    "userName": null,
    "password": "Su=4Nm9--5",
    "remoteUrl": null,
    "pyPIRegistryUrl": null,
```

```
"defaultDeployRepository" : null,
"remoteType" : null,
"proxy" : null,
"allowAnonymous" : null,
"autoCleanSnapshot" : null,
"snapshotAliveDays" : null,
"maxUniqueSnapshots" : null,
"shareRight" : "PROJECT",
"nexuRepo" : false,
"migrateFlag" : 0,
"obsSpeedBucket" : null,
"associateProject" : null,
"username" : "xx-xxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_09d2ca2ffd00d3c21ff8c00a4dd1e080",
"url" : "artgalaxy/xx-xxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_docker2_0/",
"packageType" : "docker"
}]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.10 Querying Maven Repositories

Function

Query Maven repositories.

Calling Method

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

URI

GET /cloudartifact/v5/maven/list

Table 4-94 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
default	No	Boolean	Definition: Whether to return the default repository. Constraints: N/A Value range: true and false . Default value: false
policy	No	String	Definition: Repository type. The options are snapshot or release . Constraints: N/A Value range: snapshot and release Default value: N/A

Parameter	Mandatory	Type	Description
repo_ids	No	String	Definition: Repository IDs. Use commas (,) to separate multiple repository IDs. The repository ID is in the format of <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 Value range: Maximum length: 512 characters. Default value: N/A
access	No	String	Definition: Permission filtering setting, which allows read (r) and read-write (rw) permissions. Constraints: N/A Value range: r and rw . Default value: r .

Request Parameters

None

Response Parameters

Status code: 200

Table 4-95 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Array of RepositoryDOV5 objects	Definition: Repository list. Value range: N/A

Table 4-96 RepositoryDOV5

Parameter	Type	Description
status	String	Definition: Repository status. Value range: active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domain_id	String	Definition: Tenant ID. Value range: N/A
region	String	Definition: Region. Value range: N/A

Parameter	Type	Description
created_time	String	Definition: Creation time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
modified_time	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
created_user_id	String	Definition: Creator ID. Value range: N/A
created_user_name	String	Definition: Creator. Value range: N/A
modified_user_id	String	Definition: Modifier ID. Value range: N/A
modified_user_name	String	Definition: Modifier. Value range: N/A
repository_name	String	Definition: Repository name. Value range: N/A
format	String	Definition: Package type. Value 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. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
description	String	Definition: Repository description. Value range: N/A
release	String	Definition: Release repository name. Either Release or Snapshot or both must be selected. Value range: N/A
snapshot	String	Definition: Snapshot repository name. Either Release or Snapshot or both must be selected. Value range: N/A
includes_pattern	String	Definition: Include patterns. Value range: N/A
excludes_pattern	String	Definition: Exclude patterns. Value range: N/A
share_right	String	Definition: Shared permission. Value range: PROJECT

Parameter	Type	Description
project_id	String	Definition: Project ID. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A
disable	Boolean	Definition: Disabled or not. Value range: N/A
policy	String	Definition: Repository policies. Value range: release or snapshot
npm	String	Definition: npm. Value range: N/A
uri	String	Definition: URI. Value range: N/A
repositories	String	Definition: repositories. Value range: N/A
user_name	String	Definition: Account. Value range: N/A
password	String	Definition: Password. Value range: N/A

Parameter	Type	Description
proxy	String	Definition: Proxy. Value range: N/A
scope	Integer	Definition: Range. Value range: N/A
url	String	Definition: Address. Value range: N/A
tab_id	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. Value range: N/A
display_name	String	Definition: Repository name displayed. Value range: N/A
snapshot_status	String	Definition: Snapshot repository status. Value range: N/A
release_status	String	Definition: Release repository status. Value range: N/A
repository_ids	String	Definition: Repository ID list. Value range: N/A

Parameter	Type	Description
deployment_policy	String	Definition: Deployment policies. Value range: N/A
parent_repo_name	String	Definition: Parent repository name. Value range: N/A
remote_url	String	Definition: Proxy repository address. Value range: N/A
remote_auth	String	Definition: Proxy repository authentication. Value range: N/A
pypi_registry_url	String	Definition: PyPI index proxy address. Value range: N/A
default_deploy_repository	String	Definition: Default virtual repository. Value range: N/A
package_type	String	Definition: Package type. Value range: N/A
nexu_repo	Boolean	Definition: Nexus repository or not. Value range: N/A
migrate_flag	Integer	Definition: Migration flag. Value range: N/A

Example Requests

Query Maven repositories.

```
https://{URL}/cloudartifact/v5/maven/list?
project_id=e43d0c28dca0439b9d8651224ca30ccc&policy=release&access=r&repo_ids=xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_maven_1_100
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "ddfa39b9d5d34baa82b23a5b73faf15c",
  "result": [ {
    "status": "active",
    "region": "xx-xxxxx-x",
    "name": "xx-xxxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_maven_1_100",
    "disable": false,
    "format": "maven2",
    "type": "hosted",
    "policy": "release",
    "description": "",
    "snapshot": null,
    "release": null,
    "npm": null,
    "uri": null,
    "repositories": null,
    "password": null,
    "proxy": null,
    "url": "https://devrepo.devcloud.xx-xxxxx-x.xxxxxxx.huawei.com/artgalaxy/xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_maven_1_100/",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time": "2023-09-22 16:33:00",
    "modified_time": "2024-04-01 10:50:52",
    "created_user_id": "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "created_user_name": "devcloud_devcloud_y00226182_05",
    "modified_user_id": null,
    "modified_user_name": null,
    "tab_id": "09d2ca2f5080d5b60f51c00ae5bad0a0_tab_maven2_100",
    "repository_name": "tttasda",
    "display_name": "tttasda",
    "snapshot_status": null,
    "release_status": null,
    "project_id": "e43d0c28dca0439b9d8651224ca30ccc",
    "includes_pattern": "**/*",
    "excludes_pattern": null,
    "repository_ids": null,
    "deployment_policy": null,
    "parent_repo_name": null,
    "user_name": null,
    "remote_url": null,
    "pypi_registry_url": null,
    "default_deploy_repository": null,
    "remote_type": null,
    "allow_anonymous": null,
    "auto_clean_snapshot": null,
    "snapshot_alive_days": null,
    "max_unique_snapshots": null,
    "share_right": "PROJECT",
    "nexu_repo": false,
    "migrate_flag": 0,
  }
```

```
"obs_speed_bucket" : null,  
"associate_project" : null,  
"package_type" : "maven"  
} ]  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.10.11 Obtaining Proxy Repositories in a Virtual Repository

Function

Obtain proxy repositories in a virtual repository.

Calling Method

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

URI

GET /cloudartifact/v5/repositories/proxy

Table 4-97 Query 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 Value 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
type	No	String	Definition: type . Constraints: N/A Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-98 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Array of RepositoryDOV5 objects	Definition: Repository list. Value range: N/A

Table 4-99 RepositoryDOV5

Parameter	Type	Description
status	String	Definition: Repository status. Value range: active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domain_id	String	Definition: Tenant ID. Value range: N/A
region	String	Definition: Region. Value range: N/A

Parameter	Type	Description
created_time	String	Definition: Creation time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
modified_time	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
created_user_id	String	Definition: Creator ID. Value range: N/A
created_user_name	String	Definition: Creator. Value range: N/A
modified_user_id	String	Definition: Modifier ID. Value range: N/A
modified_user_name	String	Definition: Modifier. Value range: N/A
repository_name	String	Definition: Repository name. Value range: N/A
format	String	Definition: Package type. Value 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. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
description	String	Definition: Repository description. Value range: N/A
release	String	Definition: Release repository name. Either Release or Snapshot or both must be selected. Value range: N/A
snapshot	String	Definition: Snapshot repository name. Either Release or Snapshot or both must be selected. Value range: N/A
includes_pattern	String	Definition: Include patterns. Value range: N/A
excludes_pattern	String	Definition: Exclude patterns. Value range: N/A
share_right	String	Definition: Shared permission. Value range: PROJECT

Parameter	Type	Description
project_id	String	Definition: Project ID. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A
disable	Boolean	Definition: Disabled or not. Value range: N/A
policy	String	Definition: Repository policies. Value range: release or snapshot
npm	String	Definition: npm. Value range: N/A
uri	String	Definition: URI. Value range: N/A
repositories	String	Definition: repositories. Value range: N/A
user_name	String	Definition: Account. Value range: N/A
password	String	Definition: Password. Value range: N/A

Parameter	Type	Description
proxy	String	Definition: Proxy. Value range: N/A
scope	Integer	Definition: Range. Value range: N/A
url	String	Definition: Address. Value range: N/A
tab_id	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. Value range: N/A
display_name	String	Definition: Repository name displayed. Value range: N/A
snapshot_status	String	Definition: Snapshot repository status. Value range: N/A
release_status	String	Definition: Release repository status. Value range: N/A
repository_ids	String	Definition: Repository ID list. Value range: N/A

Parameter	Type	Description
deployment_policy	String	Definition: Deployment policies. Value range: N/A
parent_repo_name	String	Definition: Parent repository name. Value range: N/A
remote_url	String	Definition: Proxy repository address. Value range: N/A
remote_auth	String	Definition: Proxy repository authentication. Value range: N/A
pypi_registry_url	String	Definition: PyPI index proxy address. Value range: N/A
default_deploy_repository	String	Definition: Default virtual repository. Value range: N/A
package_type	String	Definition: Package type. Value range: N/A
nexu_repo	Boolean	Definition: Nexus repository or not. Value range: N/A
migrate_flag	Integer	Definition: Migration flag. Value range: N/A

Example Requests

Obtain proxy repositories in a virtual repository.

```
https://{URL}/cloudartifact/v5/repositories/proxy?repo_id=xx-xxxxx-  
x_09d2ca2f5080d5b60f51c00ae5bad0a0_maven_1_100
```

Example Responses

Status code: 200

OK

```
{  
  "status" : "success",  
  "trace_id" : "06db53adc97444189bcf240f2075f449",  
  "result" : [ {  
    "status" : "active",  
    "region" : "xx-xxxxx-x",  
    "name" : "xx-xxxxx-x_ef7f2157208144128212a124ac37247b_remote",  
    "disable" : false,  
    "format" : "maven2",  
    "type" : "remote",  
    "policy" : null,  
    "description" : null,  
    "snapshot" : null,  
    "release" : null,  
    "npm" : null,  
    "uri" : null,  
    "repositories" : null,  
    "password" : null,  
    "proxy" : null,  
    "url" : "https://devrepo.devcloud.xx-xxxxx-x.xxxxxxx.huawei.com/artgalaxy/xx-xxxxx-  
x_ef7f2157208144128212a124ac37247b_remote/",  
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",  
    "created_time" : "2025-02-27 11:19:38",  
    "modified_time" : "2025-02-27 12:00:01",  
    "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",  
    "created_user_name" : "devcloud_devcloud_y00226182_05",  
    "modified_user_id" : null,  
    "modified_user_name" : null,  
    "tab_id" : null,  
    "repository_name" : "testMavenProxy0227_9",  
    "display_name" : "testMavenProxy0227_9",  
    "snapshot_status" : null,  
    "release_status" : null,  
    "project_id" : null,  
    "includes_pattern" : null,  
    "excludes_pattern" : null,  
    "repository_ids" : null,  
    "deployment_policy" : null,  
    "parent_repo_name" : null,  
    "user_name" : null,  
    "remote_url" : "https://123.com",  
    "pypi_registry_url" : null,  
    "default_deploy_repository" : null,  
    "remote_type" : "customize",  
    "allow_anonymous" : null,  
    "auto_clean_snapshot" : null,  
    "snapshot_alive_days" : null,  
    "max_unique_snapshots" : null,  
    "share_right" : null,  
    "nexu_repo" : false,  
    "migrate_flag" : 0,  
    "obs_speed_bucket" : null,  
  } ]  
}
```

```
"associate_project" : null,  
"package_type" : "maven"  
}]  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.11 Repository Association

4.11.1 Querying Repositories Associated with Projects

Function

Query repositories associated with projects.

Calling Method

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

URI

GET /cloudartifact/v5/maven/repository/list

Table 4-100 Query Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-101 Response body parameters

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

Table 4-102 ShowProjectListResult

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

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

Parameter	Type	Description
includesPattern	String	Definition: Include patterns. Value range: N/A
excludesPattern	String	Definition: Exclude patterns. Value range: N/A
url	String	Definition: Repository URL. Value range: N/A
storageSummaryInfo	String	Definition: storageSummaryInfo. Value range: N/A
projectId	String	Definition: Project ID. Value range: N/A
shareRight	String	Definition: Shared permission. Value range: PROJECT
deploymentPolicy	String	Definition: Deployment policies. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
displayName	String	Definition: Repository display name. Value range: N/A

Parameter	Type	Description
policy	String	Definition: Repository policies. Value 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. Value range: N/A
status	String	Definition: Repository status. Value range: active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domainId	String	Definition: Tenant ID. Value range: N/A
region	String	Definition: Region. Value range: N/A
uri	String	Definition: URI Value range: N/A
disable	String	Definition: Repository disabled or not. Value range: true: yes false: no

Parameter	Type	Description
packageType	String	Definition: Package type. Value range: N/A

Example Requests

Query repositories associated with projects.

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

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701219898408-370",
  "result": [ {
    "id": null,
    "name": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_11",
    "description": null,
    "createdTime": "2022-01-20 18:23:17",
    "createdUserId": "e9253deb37654775bb3c411aca89153a",
    "createdUserName": "devcloud_devcloud_y00226182_01",
    "modifiedTime": "2023-11-28 11:25:22",
    "modifiedUserId": "e9253deb37654775bb3c411aca89153a",
    "modifiedUserName": "devcloud_devcloud_y00226182_01",
    "format": "maven2",
    "repoType": "hosted",
    "includesPattern": "**/*",
    "url": "https://devrepo.devcloud.xx-xxxxx-x.xxxxxxx.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"
  } ]
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowProjectListSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowProjectListRequest request = new ShowProjectListRequest();
        try {
            ShowProjectListResponse response = client.showProjectList(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]
```

```
credentials = BasicCredentials(ak, sk)

client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = ShowProjectListRequest()
    response = client.show_project_list(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowProjectListRequest{}
    response, err := client.ShowProjectList(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.11.2 Associating a Project with a Repository

Function

Associate a project with a repository.

Calling Method

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

URI

POST /cloudartifact/v5/maven/project/repository

Request Parameters

Table 4-103 Request body parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value 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: 100 tab_ids. Value range: N/A Default value: None

Response Parameters

Status code: 200

Table 4-104 Response body parameters

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

Example Requests

Associate a project with a repository.

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

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

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

Associate a project with a repository.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

import java.util.List;
import java.util.ArrayList;

public class CreateProjectRelatedRepositorySolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();

        CreateProjectRelatedRepositoryRequest request = new CreateProjectRelatedRepositoryRequest();
        IDEPrivilegeProjectInfo body = new IDEPrivilegeProjectInfo();
        List<String> listbodyIds = new ArrayList<>();
        listbodyIds.add("5a775fdb14f4431b6c0015618140bc3_tab_maven2_23");
```

```
listbodyIds.add("5a775fdb14f4431b6c0015618140bc3_tab_maven2_120");
listbodyIds.add("5a775fdb14f4431b6c0015618140bc3_tab_maven2_201");
body.withIds(listbodyIds);
body.withProjectId("e2ee90487d6349dd944a5767225f6f55");
request.withBody(body);
try {
    CreateProjectRelatedRepositoryResponse response = client.createProjectRelatedRepository(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

Associate a project with a repository.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateProjectRelatedRepositoryRequest()
        listbody = [
            "5a775fdb14f4431b6c0015618140bc3_tab_maven2_23",
            "5a775fdb14f4431b6c0015618140bc3_tab_maven2_120",
            "5a775fdb14f4431b6c0015618140bc3_tab_maven2_201"
        ]
        request.body = IDEPrivilegeProjectInfo(
            ids=listbody,
            project_id="e2ee90487d6349dd944a5767225f6f55"
        )
        response = client.create_project_related_repository(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Associate a project with a repository.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreateProjectRelatedRepositoryRequest{}
    var listIdsbody = []string{
        "5a775fdb14f4431b6c0015618140bc3_tab_maven2_23",
        "5a775fdb14f4431b6c0015618140bc3_tab_maven2_120",
        "5a775fdb14f4431b6c0015618140bc3_tab_maven2_201",
    }
    projectIdIdePrivilegeProjectInfo := "e2ee90487d6349dd944a5767225f6f55"
    request.Body = &model.IdePrivilegeProjectInfo{
        Ids: &listIdsbody,
        ProjectId: &projectIdIdePrivilegeProjectInfo,
    }
    response, err := client.CreateProjectRelatedRepository(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.12 Repository Capacity

4.12.1 Querying Repository Usage

Function

Query repository usage.

Calling Method

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

URI

GET /cloudartifact/v5/storage

Table 4-105 Query Parameters

Parameter	Mandatory	Type	Description
format_list	No	String	Definition: Repository type list. Constraints: N/A Value 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 Value range: true: in the project. false: outside the project. Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-106 Response body parameters

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

Table 4-107 StorageMap

Parameter	Type	Description
totalStorage	String	Definition: Storage space. Value range: N/A
totalCount	Integer	Definition: Number of files. Value range: N/A

Example Requests

Query repository usage.

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

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;  
import com.huaweicloud.sdk.codeartsartifact.v2.*;  
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;  
  
public class ShowStorageSolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))  
            .build();  
        ShowStorageRequest request = new ShowStorageRequest();  
        try {  
            ShowStorageResponse response = client.showStorage(request);  
            System.out.println(response.toString());  
        } catch (ConnectionException e) {  
            e.printStackTrace();  
        } catch (RequestTimeoutException e) {  
            e.printStackTrace();  
        } catch (ServiceResponseException e) {  
            e.printStackTrace();  
            System.out.println(e.getHttpStatusCode());  
            System.out.println(e.getRequestId());  
        }  
    }  
}
```

```
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowStorageRequest()
        response = client.show_storage(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
```

```
codeartsartifact.CodeArtsArtifactClientBuilder().
    WithRegion(region.ValueOf("<YOUR REGION>")).
    WithCredential(auth).
    Build())

request := &model.ShowStorageRequest{}
response, err := client.ShowStorage(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.13 Searching

4.13.1 Searching for Files Using Checksums

Function

Search for files using checksums.

Calling Method

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

URI

GET /cloudartifact/v5/search/checksum

Table 4-108 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 Value range: Only letters and digits are supported. The character length can be 32, 40, 64, or 128. Default value: N/A
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1-100 Default value: 10

Parameter	Mandatory	Type	Description
format	No	String	Definition: Repository type. Constraints: N/A Value range: maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, and ohpm. Default value: N/A
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 Value range: true and false. Default value: N/A

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. This parameter is valid only when in_project is set to true . Value range: N/A Default value: None

Request Parameters

None

Response Parameters

Status code: 200

Table 4-109 Response body parameters

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

Parameter	Type	Description
result	Array of ArtifactSearchResult objects	Definition: File list. Value range: N/A

Table 4-110 ArtifactSearchResult

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

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

Example Requests

Search for files using checksums.

```
https://artifact.cn-south-1.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"  
  }]  
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class SearchByChecksumSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        SearchByChecksumRequest request = new SearchByChecksumRequest();
        try {
            SearchByChecksumResponse response = client.searchByChecksum(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
```

```
variables and decrypted during use to ensure security.
# In this example, AK and SK are stored in environment variables for authentication. Before running this
example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
ak = os.environ["CLOUD_SDK_AK"]
sk = os.environ["CLOUD_SDK_SK"]

credentials = BasicCredentials(ak, sk)

client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = SearchByChecksumRequest()
    response = client.search_by_checksum(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.SearchByChecksumRequest{}
    response, err := client.SearchByChecksum(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.13.2 Advanced Search

Function

Advanced search.

Calling Method

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

URI

POST /cloudartifact/v5/tree/repos/artifacts

Request Parameters

Table 4-111 Request body parameters

Parameter	Mandatory	Type	Description
artifact_name	Yes	String	Definition: Search by artifact name. Constraints: Maximum length: 200 characters. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
artifact_type	No	String	Definition: Package type. Constraints: N/A Value 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 Value 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 Value range: 1-100 Default value: 10

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. This parameter is valid only when in_project is set to true . Value range: N/A Default value: None
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 Value range: true and false . Default value: N/A

Response Parameters

Status code: 200

Table 4-112 Response body parameters

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

Table 4-113 SearchArtifactsResult

Parameter	Type	Description
artifacts	Array of ArtifactSearchResult objects	Definition: File list. Value range: N/A

Table 4-114 ArtifactSearchResult

Parameter	Type	Description
name	String	Definition: File name. Value range: N/A
relativePath	String	Definition: Relative file path. Value range: N/A

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

Example Requests

Advanced search.

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

{
  "artifact_name" : "mod.txt",
  "artifact_type" : "pypi",
  "page_no" : 1,
  "page_size" : 10,
  "project_id" : "e2ee90487d6349dd944a5767225f6f55",
  "in_project" : true
}
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "143002-1701221035715-403",
  "result" : {
    "artifacts" : [ {
      "name" : "mod.txt",
      "relativePath" : "1/1/mod.txt",
      "createdBy" : "xx-xxxxx-
x_5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
      "createdUserName" : "devcloud_devcloud_y00226182_01",
      "created" : "1701220753711",
      "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"
    } ]
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Advanced search.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;
```

```
public class SearchArtifactsSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        SearchArtifactsRequest request = new SearchArtifactsRequest();
        IDERepoSearchDO body = new IDERepoSearchDO();
        body.withInProject("true");
        body.withProjectId("e2ee90487d6349dd944a5767225f6f55");
        body.withPageSize(10);
        body.withPageNo(1);
        body.withArtifactType("pypi");
        body.withArtifactName("mod.txt");
        request.withBody(body);
        try {
            SearchArtifactsResponse response = client.searchArtifacts(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

Advanced search.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.getenv("CLOUD_SDK_AK")
    sk = os.getenv("CLOUD_SDK_SK")

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
```

```
.with_credentials(credentials) \
.with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
.build()

try:
    request = SearchArtifactsRequest()
    request.body = IDERepoSearchDO(
        in_project="true",
        project_id="e2ee90487d6349dd944a5767225f6f55",
        page_size=10,
        page_no=1,
        artifact_type="pypi",
        artifact_name="mod.txt"
    )
    response = client.search_artifacts(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

Advanced search.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.SearchArtifactsRequest{
        inProjectIdeRepoSearchDo: "true"
        projectIdeRepoSearchDo: "e2ee90487d6349dd944a5767225f6f55"
        pageSizeIdeRepoSearchDo: int32(10)
        pageNoIdeRepoSearchDo: int32(1)
        artifactTypeIdeRepoSearchDo: "pypi"
        request.Body = &model.IdeRepoSearchDo{
            InProject: &inProjectIdeRepoSearchDo,
            ProjectId: &projectIdeRepoSearchDo,
            PageSize: &pageSizeIdeRepoSearchDo,
            PageNo: &pageNoIdeRepoSearchDo,
            ArtifactType: &artifactTypeIdeRepoSearchDo,
            ArtifactName: "mod.txt",
        }
    }
```

```
}  
response, err := client.SearchArtifacts(request)  
if err == nil {  
    fmt.Printf("%+v\n", response)  
} else {  
    fmt.Println(err)  
}  
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.13.3 Querying the Network Proxy List

Function

Query the network proxy list.

Calling Method

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

URI

GET /cloudartifact/v5/tree/net/proxy

Request Parameters

None

Response Parameters

Status code: 200

Table 4-115 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value range: success: The request is successful. error: The request fails.
trace_id	String	Definition: Request ID, which uniquely identifies the current request. Value range: A string of digits and hyphens (-).
result	Array of NetProxyModelV5 objects	Definition: Network proxy list. Value range: N/A

Table 4-116 NetProxyModelV5

Parameter	Type	Description
status	String	Definition: Repository status. Value range: active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domain_id	String	Definition: Tenant ID. Value range: N/A
region	String	Definition: Region. Value range: N/A

Parameter	Type	Description
created_time	String	Definition: Creation time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
modified_time	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
created_user_id	String	Definition: Creator ID. Value range: N/A
created_user_name	String	Definition: Creator. Value range: N/A
modified_user_id	String	Definition: Modifier ID. Value range: N/A
modified_user_name	String	Definition: Modifier. Value range: N/A
id	Long	Definition: ID. Value range: N/A
host_name	String	Definition: Proxy name. Value range: N/A

Parameter	Type	Description
host	String	Definition: Domain name. Value range: N/A
port	Integer	Definition: Port. Value range: N/A
user_name	String	Definition: Username. Value range: N/A
password	String	Definition: Password. Value range: N/A
is_default	Integer	Definition: Default or not. Value range: N/A
remark	String	Definition: Remarks. Value range: N/A

Example Requests

Query the network proxy list.

https://{URL}/cloudartifact/v5/tree/net/proxy

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "fdc25d2363704dc9b93d3b983ba49b0b",
  "result" : [ {
    "status" : null,
    "region" : "xx-xxxxx-x",
```

```
"id" : 30039,
"host" : "https://asdfasf.com",
"port" : 23,
"password" : "",
"remark" : "proxy",
"domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
"created_time" : "2025-04-24 16:22:24",
"modified_time" : "2024-06-05 11:07:38",
"created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
"created_user_name" : "devcloud_devcloud_y00226182_05",
"modified_user_id" : null,
"modified_user_name" : null,
"host_name" : "adsfasf",
"user_name" : "234",
"is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30043,
  "host" : "https://asdfasdf",
  "port" : 22231,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-04-24 16:22:24",
  "modified_time" : "2024-06-05 11:09:40",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : null,
  "modified_user_name" : null,
  "host_name" : "asdfasdfs",
  "user_name" : "aas",
  "is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30044,
  "host" : "http://asdfasdfasdf",
  "port" : 123,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-04-24 16:22:24",
  "modified_time" : "2024-06-05 11:10:38",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : null,
  "modified_user_name" : null,
  "host_name" : "12asd_-asdfasAKFJHGO",
  "user_name" : "11",
  "is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30057,
  "host" : "123",
  "port" : 2333,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-01-17 16:22:48",
  "modified_time" : "2025-01-17 16:22:48",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "host_name" : "aaaadfasd",
  "user_name" : "",
  "is_default" : 0
}
```

```
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30061,
  "host" : "123",
  "port" : 2333,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-01-15 14:12:58",
  "modified_time" : "2025-01-15 14:12:59",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "host_name" : "centralTest",
  "user_name" : "",
  "is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30063,
  "host" : "10.159.198.112",
  "port" : 3128,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-01-17 16:18:32",
  "modified_time" : "2025-01-17 16:18:32",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "modified_user_name" : "devcloud_devcloud_y00226182_05",
  "host_name" : "test_central_repo",
  "user_name" : "",
  "is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30064,
  "host" : "10.172.186.249",
  "port" : 3128,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-01-18 17:21:29",
  "modified_time" : "2025-01-18 17:21:29",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : null,
  "modified_user_name" : null,
  "host_name" : "test_default_prox",
  "user_name" : null,
  "is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30065,
  "host" : "https://123.com",
  "port" : 1123,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-03-06 11:18:49",
  "modified_time" : "2025-03-06 11:18:49",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : null,
  "modified_user_name" : null,
```

```
"host_name" : "ddaddddd",
"user_name" : null,
"is_default" : 0
}, {
  "status" : null,
  "region" : "xx-xxxx-x",
  "id" : 30075,
  "host" : "http://12131",
  "port" : 313,
  "password" : "",
  "remark" : "proxy",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "created_time" : "2025-06-27 15:22:37",
  "modified_time" : "2025-06-27 15:22:37",
  "created_user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "created_user_name" : "devcloud_devcloud_y00226182_05",
  "modified_user_id" : null,
  "modified_user_name" : null,
  "host_name" : "2131",
  "user_name" : "",
  "is_default" : 0
}]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14 User Management

4.14.1 Resetting a User Password

Function

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 4-117 Response body parameters

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

Example Requests

Reset a user password.

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

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "143002-1701244804975-630",
  "result" : {
    "status" : 0,
    "domainId" : "5a775fdb14f4431b6c0015618140bc3",
    "region" : "xx-xxxxx-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" : "5a775fdb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a",
    "repoNumber" : 58,
  }
}
```

```
"innerRepoUserName" : "xx-xxxxx-  
x_5a775fdbcb14f4431b6c0015618140bc3_e9253deb37654775bb3c411aca89153a"  
}  
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;  
import com.huaweicloud.sdk.codeartsartifact.v2.*;  
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;  
  
public class ResetUserPasswordSolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))  
            .build();  
        ResetUserPasswordRequest request = new ResetUserPasswordRequest();  
        try {  
            ResetUserPasswordResponse response = client.resetUserPassword(request);  
            System.out.println(response.toString());  
        } catch (ConnectionException e) {  
            e.printStackTrace();  
        } catch (RequestTimeoutException e) {  
            e.printStackTrace();  
        } catch (ServiceResponseException e) {  
            e.printStackTrace();  
            System.out.println(e.getHttpStatusCode());  
            System.out.println(e.getRequestId());  
            System.out.println(e.getErrorCode());  
            System.out.println(e.getErrorMsg());  
        }  
    }  
}
```

Python

```
# coding: utf-8  
  
import os  
from huaweicloudsdkcore.auth.credentials import BasicCredentials  
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
```

```
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ResetUserPasswordRequest()
        response = client.reset_user_password(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ResetUserPasswordRequest{}
    response, err := client.ResetUserPassword(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.2 Querying Users in a Project

Function

Query users in a project.

Calling Method

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

URI

GET /cloudartifact/v5/projects/{project_id}/users

Table 4-118 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Table 4-119 Query Parameters

Parameter	Mandatory	Type	Description
repo_id	Yes	String	Definition: Repository ID. You can view the repository ID on the General page of the repository. Constraints: N/A Value range: N/A Default value: None
scene	No	String	Definition: scene. Constraints: N/A Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1–100 Default value: 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-120 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	RepoUserPrivilegeResult object	Definition: User list. Value range: N/A

Table 4-121 RepoUserPrivilegeResult

Parameter	Type	Description
total	Long	Definition: Number of users. Value range: N/A
list	Array of RepoUserPrivilegeV5 objects	Definition: User list. Value range: N/A

Table 4-122 RepoUserPrivilegeV5

Parameter	Type	Description
user_id	String	Definition: User ID. Value range: N/A
domain_id	String	Definition: Tenant ID. Value range: N/A

Parameter	Type	Description
user_name	String	Definition: Username. Value range: N/A
repo_id	String	Definition: Repository ID. Value range: N/A
privilege	String	Definition: Permission information. Value range: N/A
role_id	String	Definition: Role ID. Value range: N/A
role_name	String	Definition: Role name. Value range: N/A

Example Requests

Query users in a project.

```
https://{URL}/cloudartifact/v5/projects/e43d0c28dca0439b9d8651224ca30ccc/users?repo_id=xx-xxxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_maven_1_100
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "27eb541bf55a49e9a40d9857539376ab",
  "result": {
    "total": 83,
    "list": [ {
      "privilege": null,
      "user_id": "02202edb3f624e4ca6ee30166c18cda4",
      "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
      "user_name": "devcloud_y00226182_05_user077",
      "repo_id": null,
      "role_id": null,
```

```
"role_name" : null
}, {
  "privilege" : null,
  "user_id" : "b76c61b6d96a4cc6b8bb8caf10897768",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user051",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "629ce0a663804462aa04bc19bcadb2cb",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user047",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "3918732655b34fd695e1ba54e8720551",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user010",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "c442cd69da5244f98b4b2b948af8bc7b",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user011",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "31fae402b99d4a79aa2aa1b05c83386b",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user052",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "2a700bc8cb504c6c91d473b5228f37cf",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user043",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "d8d5774d10904f51bf1271cbb9bdaffe",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user029",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "709c81f5aa52474e8b978bd4ee3198a2",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user040",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "066c3b933c114c94b4763e4f35e05502",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
```

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    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
    "user_id": "32817a0301284fbfa9100034c03f11be",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user042",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
    "user_id": "e46b8ac52aef48019e6c8e5381f5aa99",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user033",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
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    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user022",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
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    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user030",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
    "user_id": "fa7d1165074b4152ad963a5a02eebe14",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user020",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
    "user_id": "4a1047b0a89f45c28f19f8ad363dbe78",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user044",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
    "user_id": "cd744c7e1aef4ccfb2373385571edbf7",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user089",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
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    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "user_name": "devcloud_y00226182_05_user034",
    "repo_id": null,
    "role_id": null,
    "role_name": null
  }, {

```

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"privilege" : null,
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"user_name" : "devcloud_y00226182_05_user054",
"repo_id" : null,
"role_id" : null,
"role_name" : null
}, {
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  "user_id" : "fe04e28af4ea451e89f02a504101afdb",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user09",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "378301f746d24e2daedac265d293ee4f",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user059",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "4b0f6a83c14c46a7b86895cea8d99a80",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user08",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "7ec965cec8884436b14b285f0431b713",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user04",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
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  "user_id" : "3605554cf7dd4b1493dcfb5e4242afbd",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user028",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "2a5eaf61ad7e45b3b0506efa61fbfc2a",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user05",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "d01183badef84e8c87581b038c4edd6c",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user023",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "b4bddd2f9fc4ba48666af2505d0e981",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user012",
  "repo_id" : null,
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```
"role_id" : null,
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}, {
  "privilege" : null,
  "user_id" : "a77227fee8044c038346a439c1dde884",
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  "user_name" : "devcloud_y00226182_05_user035",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "1dbe3fa727434ecdbb1a35f909b849a7",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user016",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "e8bc210957274d40b4fda0a767b5ed7f",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user013",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "e044d74df23d4e6d8ede368d6ad15b94",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user053",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
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  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user049",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "2f71090d066d4ad793a6a897bea0ce9f",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user01",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "10e9e01a8b254864ae93328453b4a203",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user026",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "c9e28f2f5dfc4dd8863e1f26e2c6b77d",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user041",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "9959dca680244c9285020c8c2ed69966",
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"domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
"user_name" : "devcloud_y00226182_05_user025",
"repo_id" : null,
"role_id" : null,
"role_name" : null
}, {
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  "user_id" : "1754b30dc62c45668ff77066de1a7135",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user036",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
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  "user_id" : "dbfef0c2733c452db2860cfd90379d31",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user032",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "a69c982eafca4328aaa536a5faa96c6d",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user024",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "8f63d7e7c9f34eafb1464ea8b93dd45e",
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  "user_name" : "devcloud_y00226182_05_user039",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "9d2d661c16be4fa1a47d1798d3ddd1dd",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user048",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "2f18b2891b974801a545532ab95a9212",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user021",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "e4e18d9346ac4bb6a17bba33c8f5420c",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user086",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}
```

```
}, {
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  "user_id" : "f49255a0b8b143a8958f6144f691aa6f",
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  "user_name" : "devcloud_y00226182_05_user058",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "e883d682cf384734ba6370e9525aa2df",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user063",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "d452f9fac952433c9b96d17f0c2bfa04",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user076",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "a983316f72144c318c0efb915f9c7bb4",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user037",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "6a7d3b5ae616463fa2d1848ea0b219d2",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user019",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "5844433fbc654d5d91737b72baea2c25",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user071",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "0b0d2b3ab46247d094cccb5998aaaa7d",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user038",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "2899a5ea8d324b9db8573a868220ebef",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user078",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "83ecd1917ee6472ea0f53f2672af348e",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user018",
```

```
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"role_id" : null,
"role_name" : null
}, {
  "privilege" : null,
  "user_id" : "5371f9366420490b994b6a74b1cd65ad",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user015",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "a6715d3578ad4a0b8205e4d45263336b",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user017",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "5c6cc335f4b74cb1ac9ff3a698b9ab93",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user046",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "5842361a3db14f10a4fb848f6607ae1e",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user072",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "472a603af55f40a0883377d41b041c2d",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user050",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "d5488c90ed4c44038c0f4ccdd0b76f33",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user031",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "f3b2efd4a63545df9a03671841367fb6",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user027",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "bf0281469abc4b05884e14d8124a1eb4",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user07",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
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"user_name" : "devcloud_y00226182_05_user064",
"repo_id" : null,
"role_id" : null,
"role_name" : null
}, {
  "privilege" : null,
  "user_id" : "ea5aed7cf331499e9dc0781d31fa9c37",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user091",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "8dbe520f8ceb4c8aa1ce6d1d4ae6fbbe",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user070",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "de971f0228824732b52967edfb988035",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05/codearts_pipeline_trust",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "b9a39d7de6f440ef8ec7d1594127444b",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05/deploy_admin_trust",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "2c4219feb2924220878e7761adaae2c1",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05/build_admin_trust",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "b84f4ace1bec459389cba746f7e0847d",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05/pipeline_admin_trust",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "52eefa435d4f4418a4c2c7270009c265",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user065",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "e2fef7eeae1641849d414fd4e45a1a94",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user056",
  "repo_id" : null,
  "role_id" : null,
```

```
"role_name" : null
}, {
  "privilege" : null,
  "user_id" : "7c8cd23566484fcb923f3d86c10618e",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "fact2",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "6073d8ca6ebc456eac59c95248914c25",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05/codearts_deploy_trust",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "37e60d740202440f915aa76825a6d569",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_devcloud_y00226182_05/codearts_build_trust",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "601f83abce2240ba96a85264f17b65cf",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user098",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "5aeedc5e43bd486287c9f0bc0a6a7b6d",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user088",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "61d9dad3701444c29434f9bcfd12b877",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user03",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "7561813e0f0e4d8e85b7453264e5a5be",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user045",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "438cc29f19b34bbd809e073640582349",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user02",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "31b1b658e19b46a9b4136d8e0853efb6",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
```

```
"user_name" : "devcloud_y00226182_05_user0100",
"repo_id" : null,
"role_id" : null,
"role_name" : null
}, {
  "privilege" : null,
  "user_id" : "dfe1146c3cd841149c65a5364f13b9f3",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user074",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "8260f165b56c40af849b8b9faa74afca",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user057",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "94703815731a4398a88cd7080487e88b",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user087",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "d47bab73a0bd4fe89610e2c9e0de0112",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "user_role_test",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}
}]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.3 Querying the Tenant IP Address Whitelist

Function

Query the tenant IP address whitelist.

Calling Method

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

URI

GET /cloudartifact/v5/domain/ipconfig

Table 4-123 Query Parameters

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1-100 Default value: 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-124 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	DomainIPWhiteListModelPage object	Definition: Tenant IP address whitelist. Value range: N/A

Table 4-125 DomainIPWhiteListModelPage

Parameter	Type	Description
total_records	Integer	Definition: Total number of records. Value range: N/A
total_pages	Integer	Definition: Total number of pages. Value range: N/A
data	Array of DomainIPWhiteListModel objects	Definition: Tenant IP address whitelist. Value range: N/A

Table 4-126 DomainIPWhiteListModel

Parameter	Type	Description
id	Long	Definition: ID. Value range: N/A

Parameter	Type	Description
domain_id	String	Definition: Tenant ID. Value range: N/A
region	String	Definition: Region. Value range: N/A
type	String	Definition: Type. Value range: N/A
value	String	Definition: IP address. Value range: N/A
created	Long	Definition: Creation time. Value range: N/A
updated	Long	Definition: Update time. Value range: N/A

Example Requests

Query the tenant IP address whitelist.

`https://{URL}/cloudartifact/v5/domain/ipconfig`

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "cda93470aed84c24b7a7ad9f268b8c85",
  "result" : {
    "data" : [ ],
    "total_records" : 0,
```

```
"total_pages" : 0
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.4 Querying Repository Permissions

Function

Query repository permissions.

Calling Method

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

URI

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

Table 4-127 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
repo_id	Yes	String	Definition: Repository ID. You can view the repository ID on the General page of the repository. Constraints: N/A Value range: N/A Default value: None

Request Parameters

Table 4-128 Request header parameters

Parameter	Mandatory	Type	Description
x-language	No	String	Definition: Language type. Constraints: N/A Value range: zh-cn and en-us . Default value: zh-cn .

Response Parameters

Status code: 200

Table 4-129 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	result object	Definition: Query result. Constraints: N/A Value range: N/A Default value: None

Table 4-130 result

Parameter	Type	Description
\$role_name	Array of Privilege objects	Definition: Permission information. \$role_name is a dynamic role name. Constraints: N/A Value range: N/A Default value: None

Table 4-131 Privilege

Parameter	Type	Description
role_id	String	Definition: Role ID. Constraints: N/A Value range: N/A Default value: None
role_name	String	Definition: Role name. Constraints: N/A Value range: N/A Default value: None
role_chinese_name	String	Definition: Role name (CN). Constraints: N/A Value range: N/A Default value: None
project_id	String	Definition: Project ID. Constraints: N/A Value range: N/A Default value: None

Parameter	Type	Description
area_service_id	String	Definition: Region service ID. Constraints: N/A Value range: N/A Default value: None
granted_object_path	String	Definition: Authorization object path. Constraints: N/A Value range: N/A Default value: None
granted_object_type_id	String	Definition: Authorization object ID. Constraints: N/A Value range: N/A Default value: None
operations	String	Definition: Operation permission. Use commas (,) to separate multiple permissions. Constraints: N/A Value range: N/A Default value: None

Parameter	Type	Description
operations_index	Array of integers	Definition: Operation permission index. Constraints: N/A Value range: N/A Default value: None

Example Requests

Query repository permissions.

```
https://{URL}/cloudartifact/v5/repositories/73e0adda5ace41fxxxec2a28a06/xx-xxx-x_09d2ca2f5080dxxx00ae5bad0a0_docker2_5_27/privileges
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "9d97e8db2a9348xxx046f0b91e78ee",
  "result": {
    "System engineer": [ {
      "operations": "downloadorview,import,upload,export",
      "role_id": "0e9fa4b22c3c3128e2eac3ba17",
      "role_name": "System engineer",
      "role_chinese_name": "System engineer.",
      "project_id": "73e0adda5acexx8a1f869ec2a28a06",
      "area_service_id": "c0ec24a435axxb07785d882cf23a",
      "granted_object_path": "/codeartsartifact/artifact/component/xx-xxx-x_09d2ca2f508xx51c00ae5bad0a0_docker2_5_27",
      "granted_object_type_id": "f1ba90c49e174xxc9316b45408921",
      "operations_index": null
    }, {
      "operations": "editrepository,restore,physicdelete",
      "role_id": "0e9fa4b22c3c41xx3128e2eac3ba17",
      "role_name": "System engineer",
      "role_chinese_name": "System engineer.",
      "project_id": "73e0adda5acexxf869ec2a28a06",
      "area_service_id": "c0ec24a435a64xxb07785d882cf23a",
      "granted_object_path": "/codeartsartifact/artifact/repo/xx-xxx-x_09d2ca2f5080dxxxf51c00ae5bad0a0_docker2_5_27",
      "granted_object_type_id": "f9fa2e82072xxxa7a0b1fa99ce931e",
      "operations_index": null
    } ],
    "Project manager": [ {
      "operations": "deleteorredeploy,downloadorview,import,upload,export",
      "role_id": "1d87e5606e554xxx982e4baf1a2",
      "role_name": "Project manager",
      "role_chinese_name": "Project manager.",
      "project_id": "73e0adda5ace41f2xxxec2a28a06",
      "area_service_id": "c0ec24a435a64xxx85d882cf23a",
      "granted_object_path": "/codeartsartifact/artifact/component/xx-xxx-
```

```
x_09d2ca2f5xxx60f51c00ae5bad0a0_docker2_5_27",
  "granted_object_type_id" : "f1ba90c4xxxfaec9316b45408921",
  "operations_index" : null
}, {
  "operations" : "createrepository,editrepository,restore,deleterepository,physicdelete,restoreall,clearall",
  "role_id" : "1d87e5606e5xxx4982e4baf1a2",
  "role_name" : "Project manager",
  "role_chinese_name" : "Project manager.",
  "project_id" : "73e0adda5ace41fxxec2a28a06",
  "area_service_id" : "c0ec24a435a6407xxxd882cf23a",
  "granted_object_path" : "/codeartsartifact/artifact/repo/xx-xxx-
x_09d2ca2f50xxxf51c00ae5bad0a0_docker2_5_27",
  "granted_object_type_id" : "f9fa2e8207254xxxa0b1fa99ce931e",
  "operations_index" : null
}]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.5 Querying the Password of a Tenant's Repository

Function

Query the password of a tenant's repository.

Calling Method

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

URI

GET /cloudartifact/v5/repositories/user/info

Request Parameters

None

Response Parameters

Status code: 200

Table 4-132 Response body parameters

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

Table 4-133 RepositoryUserDO

Parameter	Type	Description
username	String	Definition: Account. Value range: N/A
password	String	Definition: Password. Value range: N/A

Example Requests

Query the password of a tenant's repository.

```
https://{URL}/cloudartifact/v5/repositories/user/info
```

Example Responses

Status code: 200

OK

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

```
"trace_id" : "72d95eba535c4f4188707a7066e63f9e",  
"result" : {  
  "username" : "xx-xxxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_09d2ca2ffd00d3c21ff8c00a4dd1e080",  
  "password" : "xxxxxx"  
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.6 Updating Repository Permissions

Function

Update repository permissions.

Calling Method

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

URI

PUT /cloudartifact/v5/repositories/{role_id}/privileges

Table 4-134 Path Parameters

Parameter	Mandatory	Type	Description
role_id	Yes	String	Definition: Role ID. Constraints: N/A Value range: N/A Default value: None

Request Parameters

Table 4-135 Request body parameters

Parameter	Mandatory	Type	Description
privileges	Yes	Array of PrivilegeParam objects	Definition: Permission information. Constraints: N/A Value range: N/A Default value: None

Table 4-136 PrivilegeParam

Parameter	Mandatory	Type	Description
role_id	Yes	String	Definition: Role ID. Constraints: N/A Value range: N/A Default value: None
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
area_service_id	Yes	String	Definition: Region service ID. Constraints: N/A Value range: N/A Default value: None
granted_object_path	Yes	String	Definition: Authorization object path. Constraints: N/A Value range: N/A Default value: None
granted_object_type_id	Yes	String	Definition: Authorization object ID. Constraints: N/A Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
operations	Yes	String	Definition: Operation permission. Use commas (,) to separate multiple permissions. Constraints: N/A Value range: createrepository, editrepository, restore, deleterepository, physicdelete, restoreall, clearall, deleteorredeploy, downloadorview, import, upload, and export. Default value: None

Response Parameters

Status code: 200

Table 4-137 Response body parameters

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

Table 4-138 Privilege

Parameter	Type	Description
role_id	String	Definition: Role ID. Constraints: N/A Value range: N/A Default value: None
role_name	String	Definition: Role name. Constraints: N/A Value range: N/A Default value: None
role_chinese_name	String	Definition: Role name (CN). Constraints: N/A Value range: N/A Default value: None
project_id	String	Definition: Project ID. Constraints: N/A Value range: N/A Default value: None

Parameter	Type	Description
area_service_id	String	Definition: Region service ID. Constraints: N/A Value range: N/A Default value: None
granted_object_path	String	Definition: Authorization object path. Constraints: N/A Value range: N/A Default value: None
granted_object_type_id	String	Definition: Authorization object ID. Constraints: N/A Value range: N/A Default value: None
operations	String	Definition: Operation permission. Use commas (,) to separate multiple permissions. Constraints: N/A Value range: N/A Default value: None

Parameter	Type	Description
operations_index	Array of integers	Definition: Operation permission index. Constraints: N/A Value range: N/A Default value: None

Example Requests

Update repository permissions.

```
https://{URL}/cloudartifact/v5/repositories/6aa36d3dc51e4c0xxx4da3047306/privileges

{
  "privileges": [ {
    "granted_object_type_id": "f1ba90c4xxxxaec9316b45408921",
    "granted_object_path": "/codeartsartifact/artifact/component/xx-xxx-
x_09d2ca2fxxx0f51c00ae5bad0a0_docker2_5_27",
    "operations": "downloadorview,export,import",
    "project_id": "73e0adda5axxx8a1f869ec2a28a06",
    "role_id": "6aa36d3dc51e4cxxx54da3047306",
    "area_service_id": "c0ec24a43xxx07785d882cf23a"
  }, {
    "granted_object_type_id": "f9fa2e820725xxx0b1fa99ce931e",
    "granted_object_path": "/codeartsartifact/artifact/repo/xx-xxx-
x_09d2ca2f5080d5xxx5bad0a0_docker2_5_27",
    "operations": "editrepository,restore,physicdelete,createrepository,restoreall",
    "project_id": "73e0adda5acxxx1f869ec2a28a06",
    "role_id": "6aa36d3dc51e4xxx54da3047306",
    "area_service_id": "c0ec24a435a640xxx7785d882cf23a"
  } ]
}
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "20dadb7a95e34xxxx60e1736ba771",
  "result": [ {
    "operations": "downloadorview,export,import",
    "role_id": "6aa36d3dc51exxx4e154da3047306",
    "role_name": null,
    "role_chinese_name": null,
    "project_id": "73e0adda5ace41f28xxxec2a28a06",
    "area_service_id": "c0ec24a435a64xxx07785d882cf23a",
    "granted_object_path": "/codeartsartifact/artifact/component/xx-xxx-
x_09d2ca2f5xxx60f51c00ae5bad0a0_docker2_5_27",
    "granted_object_type_id": "f1ba90c49e17xxx9316b45408921",
    "operations_index": null
  }, {
    "operations": "editrepository,restore,physicdelete,createrepository,restoreall",
```

```
"role_id" : "6aa36d3dc51e4c088xxxxda3047306",
"role_name" : null,
"role_chinese_name" : null,
"project_id" : "73e0adda5ace41xxec2a28a06",
"area_service_id" : "c0ec24a435a640xxxxd882cf23a",
"granted_object_path" : "/codeartsartifact/artifact/repo/xx-xxx-
x_09d2ca2f508xxx51c00ae5bad0a0_docker2_5_27",
"granted_object_type_id" : "f9fa2e8207254xxxxa0b1fa99ce931e",
"operations_index" : null
} ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.14.7 Querying the User List of Self-Hosted Repos

Function

Query the user list of self-hosted repos.

Calling Method

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

URI

GET /cloudartifact/v5/repositories/users

Table 4-139 Query Parameters

Parameter	Mandatory	Type	Description
user_name	No	String	Definition: Username. Constraints: N/A Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1–100 Default value: 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-140 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	DevcloudUserDO V5Page object	Definition: User list. Value range: N/A

Table 4-141 DevcloudUserDOV5Page

Parameter	Type	Description
total_records	Integer	Definition: Total number of records. Value range: N/A
total_pages	Integer	Definition: Total number of pages. Value range: N/A
data	Array of DevcloudUserDO V5 objects	Definition: User list. Value range: N/A

Table 4-142 DevcloudUserDOV5

Parameter	Type	Description
status	String	Definition: Repository status. Value range: active: Normal. delete: Deleted. disabled: Invalid. view: Viewer of self-hosted repos. trash: Deprecated.
domain_id	String	Definition: Tenant ID. Value range: N/A
region	String	Definition: Region. Value range: N/A
created_time	String	Definition: Creation time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
modified_time	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
created_user_id	String	Definition: Creator ID. Value range: N/A
created_user_name	String	Definition: Creator. Value range: N/A

Parameter	Type	Description
modified_user_id	String	Definition: Modifier ID. Value range: N/A
modified_user_name	String	Definition: Modifier. Value range: N/A
user_id	String	Definition: User ID. Value range: N/A
user_name	String	Definition: Username. Value range: N/A
user_type	String	Definition: User type. Value range: N/A
enabled	String	Definition: enabled. Value range: N/A
repo_user_name	String	Definition: Repository username. Value range: N/A
repo_number	Integer	Definition: repo_number. Value range: N/A
inner_repo_user_name	String	Definition: Username of the internal repository. Value range: N/A

Example Requests

Query the user list of self-hosted repos.

```
https://{URL}/cloudartifact/v5/repositories/users
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "a72721003f014cb187729e1995f5a625",
  "result": {
    "data": [ {
      "status": 0,
      "region": "xx-xxxx-x",
      "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
      "created_time": "2024-12-21 15:15:25",
      "modified_time": "2025-06-06 14:42:15",
      "user_id": "006f4d03f5834347bead2cf8e579028c",
      "user_name": "devcloud_devcloud_c00642318",
      "user_type": "personal",
      "repo_user_name": "09d2ca2f5080d5b60f51c00ae5bad0a0_006f4d03f5834347bead2cf8e579028c",
      "repo_number": 2,
      "inner_repo_user_name": "xx-xxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_006f4d03f5834347bead2cf8e579028c"
    }, {
      "status": 0,
      "region": "xx-xxxx-x",
      "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
      "created_time": "2025-01-11 16:57:10",
      "modified_time": "2025-06-06 14:42:10",
      "user_id": "02202edb3f624e4ca6ee30166c18cda4",
      "user_name": "devcloud_y00226182_05_user077",
      "user_type": "personal",
      "repo_user_name": "09d2ca2f5080d5b60f51c00ae5bad0a0_02202edb3f624e4ca6ee30166c18cda4",
      "repo_number": 0,
      "inner_repo_user_name": "xx-xxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_02202edb3f624e4ca6ee30166c18cda4"
    }, {
      "status": 0,
      "region": "xx-xxxx-x",
      "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
      "created_time": "2023-04-10 18:09:13",
      "modified_time": "2025-06-06 14:42:10",
      "user_id": "05c1c44cc81f4b6b9b60799acb17638e",
      "user_name": "devcloud_y00226182_05_user097",
      "user_type": "personal",
      "repo_user_name": "09d2ca2f5080d5b60f51c00ae5bad0a0_05c1c44cc81f4b6b9b60799acb17638e",
      "repo_number": 5,
      "inner_repo_user_name": "xx-xxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_05c1c44cc81f4b6b9b60799acb17638e"
    }, {
      "status": 0,
      "region": "xx-xxxx-x",
      "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
      "created_time": "2023-04-10 18:09:13",
      "modified_time": "2025-06-06 14:42:10",
      "user_id": "066c3b933c114c94b4763e4f35e05502",
      "user_name": "devcloud_y00226182_05_user014",
      "user_type": "personal",
      "repo_user_name": "09d2ca2f5080d5b60f51c00ae5bad0a0_066c3b933c114c94b4763e4f35e05502",
```

```
    "repo_number" : 4,
    "inner_repo_user_name" : "xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_066c3b933c114c94b4763e4f35e05502"
  }, {
    "status" : 0,
    "region" : "xx-xxxxx-x",
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time" : "2025-03-17 17:08:26",
    "modified_time" : "2025-06-06 14:42:16",
    "user_id" : "0955f5d66a2245f09ba176bf22417113",
    "user_name" : "test",
    "user_type" : "personal",
    "repo_user_name" : "09d2ca2f5080d5b60f51c00ae5bad0a0_0955f5d66a2245f09ba176bf22417113",
    "repo_number" : 0,
    "inner_repo_user_name" : "xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_0955f5d66a2245f09ba176bf22417113"
  }, {
    "status" : 0,
    "region" : "xx-xxxxx-x",
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time" : "2023-04-10 18:09:13",
    "modified_time" : "2025-06-06 14:42:10",
    "user_id" : "09af75516874459090abc461473096aa",
    "user_name" : "devcloud_y00226182_05_user090",
    "user_type" : "personal",
    "repo_user_name" : "09d2ca2f5080d5b60f51c00ae5bad0a0_09af75516874459090abc461473096aa",
    "repo_number" : 4,
    "inner_repo_user_name" : "xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_09af75516874459090abc461473096aa"
  }, {
    "status" : 0,
    "region" : "xx-xxxxx-x",
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time" : "2025-03-04 21:00:26",
    "modified_time" : "2025-06-06 14:42:16",
    "user_id" : "09c2c1ef5180d3dd1f2bc011d6bc9459",
    "user_name" : "devcloud_devcloud_y00226182_05",
    "user_type" : "personal",
    "repo_user_name" : "09d2ca2f5080d5b60f51c00ae5bad0a0_09c2c1ef5180d3dd1f2bc011d6bc9459",
    "repo_number" : 3,
    "inner_repo_user_name" : "xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_09c2c1ef5180d3dd1f2bc011d6bc9459"
  }, {
    "status" : 0,
    "region" : "xx-xxxxx-x",
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time" : "2023-02-08 22:33:44",
    "modified_time" : "2025-07-08 11:33:15",
    "user_id" : "09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "user_name" : "devcloud_devcloud_y00226182_05",
    "user_type" : "personal",
    "repo_user_name" : "09d2ca2f5080d5b60f51c00ae5bad0a0_09d2ca2ffd00d3c21ff8c00a4dd1e080",
    "repo_number" : 69949,
    "inner_repo_user_name" : "xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_09d2ca2ffd00d3c21ff8c00a4dd1e080"
  }, {
    "status" : 0,
    "region" : "xx-xxxxx-x",
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time" : "2023-04-10 18:09:12",
    "modified_time" : "2025-06-06 14:42:10",
    "user_id" : "0b0d2b3ab46247d094cccb5998aaaa7d",
    "user_name" : "devcloud_y00226182_05_user038",
    "user_type" : "personal",
    "repo_user_name" : "09d2ca2f5080d5b60f51c00ae5bad0a0_0b0d2b3ab46247d094cccb5998aaaa7d",
    "repo_number" : 4,
    "inner_repo_user_name" : "xx-xxxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_0b0d2b3ab46247d094cccb5998aaaa7d"
  }, {
```

```
    "status" : 0,
    "region" : "xx-xxxx-x",
    "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "created_time" : "2023-02-09 10:58:46",
    "modified_time" : "2025-06-06 14:42:06",
    "user_id" : "0c709421f700d2fa1f84c00a3a3da91a",
    "user_name" : "self1",
    "user_type" : "personal",
    "repo_user_name" : "09d2ca2f5080d5b60f51c00ae5bad0a0_0c709421f700d2fa1f84c00a3a3da91a",
    "repo_number" : 3,
    "inner_repo_user_name" : "xx-xxxx-
x_09d2ca2f5080d5b60f51c00ae5bad0a0_0c709421f700d2fa1f84c00a3a3da91a"
  }],
  "total_records" : 142,
  "total_pages" : 15
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.15 Repository Details

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

Function

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

Calling Method

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

URI

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

Table 4-143 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. Value range: N/A Default value: None
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Table 4-144 Query Parameters

Parameter	Mandatory	Type	Description
group_id	No	String	Definition: User group ID, which is no longer in use. Constraints: N/A Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1–100 Default value: 10
sort	No	String	Definition: Sorting type, which is no longer in use. Constraints: N/A Value range: N/A Default value: N/A
qname	No	String	Definition: Query content. Constraints: A string of 1 to 50 characters. Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
type	No	String	Definition: Repository type. Constraints: N/A Value range: hosted, local, virtual, remote, and proxy . Default value: N/A
format	No	String	Definition: Package type. Only one type can be specified. Constraints: N/A Value 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 Value range: maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value: N/A

Parameter	Mandatory	Type	Description
is_recycle_bin	No	Boolean	Definition: Whether the repository is in the recycle bin. Constraints: N/A Value range: true: query the repositories in the recycle bin. false: query repositories in the active state. Default value: N/A
is_need_pagination	No	Boolean	Definition: Pagination required or not. Constraints: N/A Value 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 Value range: true: in the project. false: not in the project. Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-145 Response body parameters

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

Table 4-146 ListAllRepositoriesResult

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

Table 4-147 RepositoryBasicDO

Parameter	Type	Description
id	String	Definition: ID. Value range: N/A

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

Parameter	Type	Description
modifiedUserId	String	Definition: Modifier ID. Value range: N/A
modifiedUserName	String	Definition: Modifier name. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A
disable	Boolean	Definition: Disabled or not. Value range: N/A
format	String	Definition: Package type. Value range: maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, conda, and huggingfaceml.
repoType	String	Definition: Repository type. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition: Repository policies. Value 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. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
displayName	String	Definition: Repository name displayed. Value range: N/A
description	String	Definition: Repository description. Value range: N/A
projectId	String	Definition: Project ID. Value range: N/A
includesPattern	String	Definition: Include patterns. Value range: N/A
deploymentPolicy	String	Definition: Deployment policies. Value range: N/A
shareRight	String	Definition: Shared permission. Value range: PROJECT

Parameter	Type	Description
url	String	Definition: Repository URL. Value range: N/A
packageType	String	Definition: Package type. Value 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. Value range: N/A

Table 4-148 DownloadFolderInfo

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

Example Requests

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

```
https://artifact.cn-south-1.myhuaweicloud.com/  
cloudartifact/v5/00000000000000000000000000000000/000000000000000000000000000000/  
repositories?  
in_project=true&format=&page_no=1&page_size=2&qname=&format_list=maven2,npm,go,pypi,rpm,debian,c  
onan,nuget,docker&is_need_paging=true
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143006-1701221592150-283",
  "result": {
    "total": 183,
    "repositories": [ {
      "id": null,
      "name": "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.xxxxxx.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.xxxxxx.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"
    }
  ]
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ListAllRepositoriesSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ListAllRepositoriesRequest request = new ListAllRepositoriesRequest();
        request.withTenantId("{tenant_id}");
        request.withProjectId("{project_id}");
        try {
            ListAllRepositoriesResponse response = client.listAllRepositories(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
```

```
# The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
variables and decrypted during use to ensure security.
# In this example, AK and SK are stored in environment variables for authentication. Before running this
example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
ak = os.environ["CLOUD_SDK_AK"]
sk = os.environ["CLOUD_SDK_SK"]

credentials = BasicCredentials(ak, sk)

client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = ListAllRepositoriesRequest()
    request.tenant_id = "{tenant_id}"
    request.project_id = "{project_id}"
    response = client.list_all_repositories(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListAllRepositoriesRequest{}
    request.TenantId = "{tenant_id}"
    request.ProjectId = "{project_id}"
    response, err := client.ListAllRepositories(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

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

Function

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 4-149 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. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value 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. Value range: N/A Default value: None

Table 4-150 Query Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-151 Response body parameters

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

Parameter	Type	Description
result	RepositoryBasicDO object	Definition: Repository details. Value range: N/A

Table 4-152 RepositoryBasicDO

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

Parameter	Type	Description
modifiedTime	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
createdUserId	String	Definition: Creator ID. Value range: N/A
createdUserName	String	Definition: Creator name. Value range: N/A
modifiedUserId	String	Definition: Modifier ID. Value range: N/A
modifiedUserName	String	Definition: Modifier name. Value range: N/A
name	String	Definition: Repository ID. Value range: N/A
disable	Boolean	Definition: Disabled or not. Value range: N/A
format	String	Definition: Package type. Value 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. Value range: hosted: local repository remote: proxy repository virtual: virtual repository
policy	String	Definition: Repository policies. Value 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. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
displayName	String	Definition: Repository name displayed. Value range: N/A
description	String	Definition: Repository description. Value range: N/A
projectId	String	Definition: Project ID. Value range: N/A
includesPattern	String	Definition: Include patterns. Value range: N/A

Parameter	Type	Description
deploymentPolicy	String	Definition: Deployment policies. Value range: N/A
shareRight	String	Definition: Shared permission. Value range: PROJECT
url	String	Definition: Repository URL. Value range: N/A
packageType	String	Definition: Package type. Value 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. Value range: N/A

Table 4-153 DownloadFolderInfo

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

Example Requests

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

```
https://artifact.cn-south-1.myhuaweicloud.com/
cloudartifact/v5/5a775fdb14f4431b6c0015618140bc3/035a1e9da3074adfb57acd1da494d736/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"
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
```

```
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowRepositorySolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowRepositoryRequest request = new ShowRepositoryRequest();
        request.withTenantId("{tenant_id}");
        request.withProjectId("{project_id}");
        request.withRepoId("{repo_id}");
        try {
            ShowRepositoryResponse response = client.showRepository(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.getenv("CLOUD_SDK_AK")
    sk = os.getenv("CLOUD_SDK_SK")

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()
```

```
try:
    request = ShowRepositoryRequest()
    request.tenant_id = "{tenant_id}"
    request.project_id = "{project_id}"
    request.repo_id = "{repo_id}"
    response = client.show_repository(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowRepositoryRequest{}
    request.TenantId = "{tenant_id}"
    request.ProjectId = "{project_id}"
    request.RepoId = "{repo_id}"
    response, err := client.ShowRepository(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.15.3 Querying the Storage Capacity Trend

Function

Query the storage capacity trend.

Calling Method

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

URI

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

Table 4-154 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. Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Table 4-155 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. Value range: N/A Default value: None
start_time	No	String	Definition: Start time. Constraints: Format: YYYY-MM-DD Value range: N/A Default value: None
end_time	No	String	Definition: End time. Constraints: Format: YYYY-MM-DD Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
instance_id	No	String	Definition: Instance ID, which is no longer in use. Constraints: N/A Value range: N/A Default value: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-156 Response body parameters

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

Table 4-157 StorageStatisticDO

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

Example Requests

Query the storage capacity trend.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/storageinfo/statistic?start_time=2023-11-22&end_time=2023-11-28&repo=xx-xxxx-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
} ]
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
```

```
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ListArtifactoryStorageStatisticSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ListArtifactoryStorageStatisticRequest request = new ListArtifactoryStorageStatisticRequest();
        request.withTenantId("{tenant_id}");
        request.withProjectId("{project_id}");
        try {
            ListArtifactoryStorageStatisticResponse response = client.listArtifactoryStorageStatistic(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
```

```
request = ListArtifactoryStorageStatisticRequest()
request.tenant_id = "{tenant_id}"
request.project_id = "{project_id}"
response = client.list_artifactory_storage_statistic(request)
print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListArtifactoryStorageStatisticRequest{}
    request.TenantId = "{tenant_id}"
    request.ProjectId = "{project_id}"
    response, err := client.ListArtifactoryStorageStatistic(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.16 Audit Logs

4.16.1 Querying Audit Logs about Repository or File

Function

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 4-158 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. Value range: N/A Default value: None

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
module	Yes	String	Definition: Module. Constraints: N/A Value 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. Value range: N/A Default value: None

Table 4-159 Query Parameters

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

Parameter	Mandatory	Type	Description
instance_id	No	String	Definition: Instance ID. Constraints: N/A Value range: N/A Default value: None
page_num	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1-100 Default value: 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-160 Response body parameters

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

Table 4-161 AuditResult

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

Table 4-162 AuditDO

Parameter	Type	Description
id	String	Definition: Operation ID. Value range: N/A id

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

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

Example Requests

Query audit logs about a repository or file.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/file/xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_maven_1_108/audit?page_num=1&page_size=5
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "143002-1701222589443-431",
  "result" : {
    "auditInfoList" : [ {
      "id" : "2271182",
      "module" : "file",
      "operation" : "upload",
      "time" : "2023/10/27 15:46:19",
      "info" : "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_maven_1_108",
      "data" : "1/1/1/1-1.jar",
      "reason" : null,
      "userAgent" : "Apache-HttpClient/4.5.13 (Java/1.8.0_232)",
      "operator" : "devcloud_devcloud_y00226182_01",
      "ipSource" : "10.172.180.79"
    } ],
    "total" : 1
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
```

```
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowAuditSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();

        ShowAuditRequest request = new ShowAuditRequest();
        request.withTenantId("{tenant_id}");
        request.withProjectId("{project_id}");
        request.withModule("{module}");
        request.withRepo("{repo}");
        try {
            ShowAuditResponse response = client.showAudit(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)
```

```
client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = ShowAuditRequest()
    request.tenant_id = "{tenant_id}"
    request.project_id = "{project_id}"
    request.module = "{module}"
    request.repo = "{repo}"
    response = client.show_audit(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowAuditRequest{}
    request.TenantId = "{tenant_id}"
    request.ProjectId = "{project_id}"
    request.Module = "{module}"
    request.Repo = "{repo}"
    response, err := client.ShowAudit(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.17 Favoriting

4.17.1 Favoriting/Unfavoriting Packages

Function

Favorite/Unfavorite packages.

Calling Method

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

URI

POST /cloudartifact/v5/attention

Request Parameters

Table 4-163 Request body parameters

Parameter	Mandatory	Type	Description
attention	Yes	String	Favorite and unfavorite.
ids	Yes	Array of strings	Component ID list.
format	No	String	Format.

Response Parameters

Status code: 200

Table 4-164 Response body parameters

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

Example Requests

Favorite/Unfavorite packages.

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

```
{
  "format" : "npm",
  "attention" : "0",
  "ids" : [ "xx-xxxxx-x_5a775fdbcb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar" ]
}
```

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

Favorite/Unfavorite packages.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

import java.util.List;
import java.util.ArrayList;

public class CreateAttentionSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        CreateAttentionRequest request = new CreateAttentionRequest();
        AttentionDO body = new AttentionDO();
        List<String> listbodyIds = new ArrayList<>();
        listbodyIds.add("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar");
        body.withFormat("npm");
        body.withIds(listbodyIds);
        body.withAttention("0");
        request.withBody(body);
        try {
            CreateAttentionResponse response = client.createAttention(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

Favorite/Unfavorite packages.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *
```

```
if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateAttentionRequest()
        listIdsbody = [
            "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar"
        ]
        request.body = AttentionDO(
            format="npm",
            ids=listIdsbody,
            attention="0"
        )
        response = client.create_attention(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Favorite/Unfavorite packages.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())
```

```
request := &model.CreateAttentionRequest{}
var listIdsbody = []string{
    "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1/1-1.jar",
}
formatAttentionDo:= "npm"
request.Body = &model.AttentionDo{
    Format: &formatAttentionDo,
    Ids: listIdsbody,
    Attention: "0",
}
response, err := client.CreateAttention(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.17.2 Querying My Favorites

Function

Query my favorites.

Calling Method

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

URI

GET /cloudartifact/v5/attention/artifacts

Table 4-165 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None
page_no	No	Integer	Definition: Number of pages in a pagination query. Constraints: N/A Value 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 Value range: 1–100 Default value: 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-166 Response body parameters

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

Table 4-167 ListAttentionPageResult

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

Table 4-168 ListAttentionResult

Parameter	Type	Description
id	String	Definition: Sequence number. Value range: N/A
domainId	String	Definition: Tenant ID. Value range: N/A
repositoryId	String	Definition: Repository ID. Value range: N/A
repositoryName	String	Definition: Repository name. Value range: N/A
format	String	Definition: Package type. Value range: maven2, docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic.
policy	String	Definition: Repository policies. Value range: release or snapshot
artifactId	String	Definition: Sequence number of the component to be favorited. Value range: N/A
path	String	Definition: Path of the component to be favorited. Value range: N/A

Parameter	Type	Description
modifiedUserName	String	Definition: Modifier name. Value range: N/A
modifiedUserId	String	Definition: Modifier ID. Value range: N/A
userId	String	Definition: User ID. Value range: N/A
modifiedTime	String	Definition: Modification time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
region	String	Definition: Region. Value range: N/A

Example Requests

Query my favorites.

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

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "143006-1701222864960-289",
  "result" : {
    "data" : [ {
      "id" : "43e78ea4903d468db517e069ab91ce1c",
      "domainId" : "5a775fdb14f4431b6c0015618140bc3",
      "repositoryId" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108",
      "repositoryName" : "maven1",
      "format" : "maven2",
      "policy" : "release",
```

```
"artifactId" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar",
"path" : "xx-xxxx-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-xxxx-x"
}],
"totalRecords" : 1,
"totalPages" : 1
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ListAttentionsSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ListAttentionsRequest request = new ListAttentionsRequest();
        try {
            ListAttentionsResponse response = client.listAttentions(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListAttentionsRequest()
        response = client.list_attentions(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListAttentionsRequest{}
```

```
response, err := client.ListAttentions(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.18 File Management

4.18.1 Querying the Repository Folder Directory

Function

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 4-169 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. Value range: N/A Default value: None
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value 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: 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. Value range: N/A Default value: None

Table 4-170 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. Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
instance_id	No	String	Definition: Instance ID, which is no longer in use. Constraints: N/A Value range: N/A Default value: N/A
is_recycle_bin	No	Boolean	Definition: Whether to query files in the recycle bin. Constraints: N/A Value 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 4-171 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	ShowFileTreeResult object	Definition: Repository directory information. Value range: N/A

Table 4-172 ShowFileTreeResult

Parameter	Type	Description
uploadAccess	String	Definition: Upload permission. Value range: true: with permission. false: without permission.
total	String	Definition: Total number. Value range: N/A
uri	String	Definition: Parent path. Value range: N/A
created	String	Definition: Creation time. Value range: N/A
children	Array of children objects	Definition: Information about a subfile or subfolder. Value range: N/A

Table 4-173 children

Parameter	Type	Description
name	String	Definition: Name of a file or folder. Value range: N/A
uri	String	Definition: Access address. Value range: N/A
path	String	Definition: Path. Value range: N/A
modified	String	Definition: Update time, in yyyy-MM-dd HH:mm:ss format. Value range: N/A
folder	Boolean	Definition: Folder or not. Value range: true: folder. false: file.
modified_by	String	Definition: Modifier. Value range: N/A
has_child	Boolean	Definition: Whether a lower layer exists. Value range: true: yes false: no

Example Requests

Query the repository folder directory.

```
https://artifact.cn-south-1.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"
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowFileTreeSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
```

```
        .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
        .build();
ShowFileTreeRequest request = new ShowFileTreeRequest();
request.withTenantId("{tenant_id}");
request.withProjectId("{project_id}");
request.withRepoName("{repo_name}");
try {
    ShowFileTreeResponse response = client.showFileTree(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowFileTreeRequest()
        request.tenant_id = "{tenant_id}"
        request.project_id = "{project_id}"
        request.repo_name = "{repo_name}"
        response = client.show_file_tree(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
```

```
codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
"github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowFileTreeRequest{}
    request.TenantId = "{tenant_id}"
    request.ProjectId = "{project_id}"
    request.RepoName = "{repo_name}"
    response, err := client.ShowFileTree(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.18.2 Querying Repository File Details

Function

Query repository file details.

Calling Method

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

URI

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

Table 4-174 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. Value range: N/A Default value: None
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value 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 Value 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 4-175 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. Value range: N/A Default value: N/A

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-176 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	result object	Definition: File details. Value range: N/A

Table 4-177 result

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

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

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

Table 4-178 checksums

Parameter	Type	Description
sha512	String	Definition: SHA-512 checksums. Value range: N/A
sha256	String	Definition: SHA-256 checksums. Value range: N/A
sha1	String	Definition: SHA-1 checksums. Value range: N/A

Parameter	Type	Description
md5	String	Definition: MD5 checksums. Value range: N/A

Table 4-179 downloadInfo

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

Table 4-180 gavDisplay

Parameter	Type	Description
gavInfo	String	Definition: Coordinates. Value range: N/A
configInfo	String	Definition: Configuration information. Value range: N/A

Example Requests

Query repository file details.

```
https://{URL}/  
cloudartifact/v5/00000000000000000000000000000000/11111111111111111111111111111111/  
xxxxx-1_xxxxxxxxxxxxxxxxxxxxxxxx_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_5a775fdb14f4431b6c0015618140bc3_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"
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ListArtifactoryComponentSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();

        ListArtifactoryComponentRequest request = new ListArtifactoryComponentRequest();
        request.withTenantId("{tenant_id}");
        request.withProjectId("{project_id}");
        request.withRepoName("{repo_name}");
        try {
            ListArtifactoryComponentResponse response = client.listArtifactoryComponent(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        }
    }
}
```

```
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListArtifactoryComponentRequest()
        request.tenant_id = "{tenant_id}"
        request.project_id = "{project_id}"
        request.repo_name = "{repo_name}"
        response = client.list_artifactory_component(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")
```

```
auth := basic.NewCredentialsBuilder().
    WithAk(ak).
    WithSk(sk).
    Build()

client := codeartsartifact.NewCodeArtsArtifactClient(
    codeartsartifact.CodeArtsArtifactClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ListArtifactoryComponentRequest{}
request.TenantId = "{tenant_id}"
request.ProjectId = "{project_id}"
request.RepoName = "{repo_name}"
response, err := client.ListArtifactoryComponent(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.18.3 Deleting Non-Maven Files

Function

Delete non-Maven files.

Calling Method

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

URI

DELETE /cloudartifact/v5/file

Request Parameters

Table 4-181 Request body parameters

Parameter	Mandatory	Type	Description
path	Yes	String	File path.

Response Parameters

Status code: 200**Table 4-182** Response body parameters

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

Example Requests

Delete non-Maven files.

```
https://artifact.cn-south-1.myhuaweicloud.com/cloudartifact/v5/file
{
  "path": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19/down/down/
GOR7zo553IL44I063cdVKui7n58078"
}
```

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

Delete non-Maven files.

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class DeleteArtifactFileSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        DeleteArtifactFileRequest request = new DeleteArtifactFileRequest();
        PathMap body = new PathMap();
        body.withPath("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19/down/down/
GOR7zo553IL44I063cdVKui7n58078");
        request.withBody(body);
        try {
            DeleteArtifactFileResponse response = client.deleteArtifactFile(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

Delete non-Maven files.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
    sk = os.environ["CLOUD_SDK_SK"]

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsArtifactClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeleteArtifactFileRequest()
        request.body = PathMap(
            path="xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_19/down/down/
GOR7zo553IL44I063cdVKui7n58078"
        )
        response = client.delete_artifact_file(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Delete non-Maven files.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
```

```
Build()

client := codeartsartifact.NewCodeArtsArtifactClient(
    codeartsartifact.CodeArtsArtifactClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.DeleteArtifactFileRequest{}
request.Body = &model.PathMap{
    Path: "xx-xxxx-x_5a775fdcb14f4431b6c0015618140bc3_go_19/down/down/
GOR7zo553lL44l063cdVKui7n58078",
}
response, err := client.DeleteArtifactFile(request)
if err == nil {
    fmt.Printf("%v\n", response)
} else {
    fmt.Println(err)
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.19 Viewing Permissions

4.19.1 Querying Permissions of a User for a Project

Function

Query permissions of a user for a project.

Calling Method

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

URI

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

Table 4-183 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition: Project ID. It 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 can contain 32 characters. Only letters and digits are supported. Value range: N/A Default value: None

Request Parameters

None

Response Parameters

Status code: 200

Table 4-184 Response body parameters

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

Parameter	Type	Description
result	result object	Definition: The API response varies depending on the request. Value range: The value range varies according to the API.

Table 4-185 result

Parameter	Type	Description
operations	String	Definition: Operation list. Value range: Strings separated by commas (,).
operationsIndex	Array of integers	Definition: Operation sequence number. Value range: Digits.
role_id	String	Definition: Role ID. Value range: Max. 32 characters. Only letters and digits are supported.
role_name	String	Definition: Role name (En). Value 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 (Zh). Value 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. Value range: Max. 32 characters. Only letters and digits are supported.
area_service_id	String	Definition: Area service ID. Value range: Max. 32 characters. Only letters and digits are supported.
granted_object_path	String	Definition: Authorization object path. Value range: Only letters, digits, slashes (/), and asterisks (*) are supported.
granted_object_type_id	String	Definition: Authorization object type ID. Value range: Max. 32 characters. Only letters and digits are supported.

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"
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

```
package com.huaweicloud.sdk.test;

import com.huaweicloud.sdk.core.auth.ICredential;
import com.huaweicloud.sdk.core.auth.BasicCredentials;
import com.huaweicloud.sdk.core.exception.ConnectionException;
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartsartifact.v2.region.CodeArtsArtifactRegion;
import com.huaweicloud.sdk.codeartsartifact.v2.*;
import com.huaweicloud.sdk.codeartsartifact.v2.model.*;

public class ShowUserPrivilegesSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or
        // environment variables and decrypted during use to ensure security.
        // In this example, AK and SK are stored in environment variables for authentication. Before running
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

        ICredential auth = new BasicCredentials()
            .withAk(ak)
            .withSk(sk);

        CodeArtsArtifactClient client = CodeArtsArtifactClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsArtifactRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowUserPrivilegesRequest request = new ShowUserPrivilegesRequest();
        request.withProjectId("{project_id}");
        try {
            ShowUserPrivilegesResponse response = client.showUserPrivileges(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartsartifact.v2.region.codeartsartifact_region import CodeArtsArtifactRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartsartifact.v2 import *

if __name__ == "__main__":
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    # variables and decrypted during use to ensure security.
    # In this example, AK and SK are stored in environment variables for authentication. Before running this
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak = os.environ["CLOUD_SDK_AK"]
```

```
sk = os.environ["CLOUD_SDK_SK"]

credentials = BasicCredentials(ak, sk)

client = CodeArtsArtifactClient.new_builder() \
    .with_credentials(credentials) \
    .with_region(CodeArtsArtifactRegion.value_of("<YOUR REGION>")) \
    .build()

try:
    request = ShowUserPrivilegesRequest()
    request.project_id = "{project_id}"
    response = client.show_user_privileges(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartsartifact "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartsartifact/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
    // In this example, AK and SK are stored in environment variables for authentication. Before running this
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        Build()

    client := codeartsartifact.NewCodeArtsArtifactClient(
        codeartsartifact.CodeArtsArtifactClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowUserPrivilegesRequest{}
    request.ProjectId = "{project_id}"
    response, err := client.ShowUserPrivileges(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

More

For SDK sample code of more programming languages, see the Sample Code tab in [API Explorer](#). SDK sample code can be automatically generated.

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.20 Central Repository

4.20.1 Check whether the central repository is enabled or not.

Function

Check whether the central repository is enabled or not.

Calling Method

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

URI

GET /cloudartifact/v5/opensource/enabled

Request Parameters

None

Response Parameters

Status code: 200

Table 4-186 Response body parameters

Parameter	Type	Description
status	String	Definition: Request status. Value 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. Value range: A string of digits and hyphens (-).
result	Boolean	Definition: Query result. Value range: true: yes false: no

Example Requests

Check whether the central repository is enabled or not.

```
https://{URL}/cloudartifact/v5/opensource/enabled
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "65e77adc0b224e9cb574211ecf9d4d53",
  "result" : false
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.21 Permission Management

4.21.1 Querying User Tickets

Function

Query user tickets.

Calling Method

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

URI

GET /cloudartifact/v5/ticket

Request Parameters

None

Response Parameters

Status code: 200

Table 4-187 Response body parameters

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

Example Requests

Query user tickets.

https://{URL}/cloudartifact/v5/ticket

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "dfb980cc50ec4f219c6ec8036d0b0af0",
  "result" :
    "dGlja2V0XzE3NTlyMjA3MzY3OTc6V2Z1UVNFZVJiaDJZe jFiRGZJSE12QnlicXh5VGpSTk46MDlkMmNhMmZmZ
    DAwZDNjMjFmZjhjMDBhNGRkMWUwODA="
}
```

Status Codes

Status Code	Description
200	OK

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

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

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

5.3 Obtaining a Project ID

5.3.1 Obtaining a CodeArts Project ID

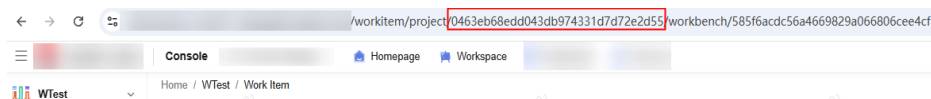
Obtaining a Project ID from a URL

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

Copying a Project ID from a Card

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 Click  on the project card to copy the 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": [  
    {  
      "id": "0463eb68edd043db974331d7d72e2d55"  
    }  
  ]  
}
```

```
{
  "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:

1. Log in to the management console.
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

