

CodeArts Artifact

API Reference

Issue	01
Date	2026-01-22



Copyright © Huawei Technologies Co., Ltd. 2026. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Security Declaration

Vulnerability

Huawei's regulations on product vulnerability management are subject to the *Vul. Response Process*. For details about this process, visit the following web page:

<https://www.huawei.com/en/psirt/vul-response-process>

For vulnerability information, enterprise customers can visit the following web page:

<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

Contents

1 Before You Start.....	1
2 API Overview.....	3
3 Calling APIs.....	5
3.1 Making an API Request.....	5
3.2 Authentication.....	8
3.3 Response.....	9
4 API.....	12
4.1 Querying Packages (Release Repos).....	12
4.1.1 Obtaining Package Information of the Current User.....	12
4.1.2 Obtaining Package Status of the Current User.....	16
4.2 File Management (Release Repos).....	20
4.2.1 Deleting a File or Folder Permanently.....	20
4.2.2 Querying the Build Archive Package List by Page.....	25
4.2.3 Querying the File or Project List.....	30
4.2.4 Querying Details about a File.....	44
4.2.5 Querying Details about a File.....	51
4.3 Release Repos Details.....	58
4.3.1 Querying Auto Deleting Task Settings in a Project.....	58
4.4 Permission Management (Release Repos).....	62
4.4.1 Viewing Role Permissions of a Project.....	63
4.4.2 Querying Permissions of a Multi-Role User.....	74
4.5 Release Repos Settings.....	81
4.5.1 Querying Tenant Capacity Notification Settings.....	81
4.6 Version Management (Release Repos).....	85
4.6.1 Querying the Latest Versions of All Files in a Project.....	85
4.6.2 Querying the Latest Versions of All Files in a Project.....	90
4.7 Repository Capacity (Release Repos).....	97
4.7.1 Tenant Storage Capacity (Release Repos).....	97
4.7.2 Querying the Storage Capacity in a Project.....	102
4.8 Querying Files in Release Repos.....	107
4.8.1 Querying File Versions in a Project.....	107
4.9 Recycle Bin.....	115

4.9.1 Restoring Multiple Packages in the Recycle Bin.....	115
4.9.2 Batch Moving Packages to the Recycle Bin.....	122
4.10 Repository Management.....	129
4.10.1 Creating a Maven Repository.....	129
4.10.2 Editing a Repository.....	137
4.10.3 Viewing Repository Information.....	144
4.10.4 Creating a Docker Registry.....	155
4.10.5 Moving a Repository to the Recycle Bin.....	161
4.10.6 Querying the Maven Repository List and Account Password of a Tenant.....	165
4.10.7 Creating a Non-Maven Repository.....	178
4.10.8 Editing Non-Maven Repository Information.....	191
4.10.9 Querying Maven Repositories.....	199
4.10.10 Obtaining Proxy Repositories in a Virtual Repository.....	211
4.11 Repository Association.....	222
4.11.1 Querying Repositories Associated with Projects.....	222
4.11.2 Associating a Project with a Repository.....	231
4.12 Repository Capacity.....	236
4.12.1 Querying Repository Usage.....	236
4.13 Searching.....	241
4.13.1 Searching for Files Using Checksums.....	241
4.13.2 Advanced Search.....	249
4.13.3 Querying the Network Proxy List.....	258
4.14 User Management.....	266
4.14.1 Resetting a User Password.....	266
4.14.2 Querying Users in a Project.....	270
4.14.3 Querying the Tenant IP Address Whitelist.....	287
4.14.4 Querying the Password of a Tenant's Repository.....	293
4.14.5 Querying the User List of Self-Hosted Repos.....	297
4.15 Repository Details.....	306
4.15.1 Skipping the Number of Artifacts in the Repository When Querying Repository Details.....	306
4.15.2 Collecting Number of Artifacts in Repository When Querying Details about Repository.....	320
4.15.3 Querying the Storage Capacity Trend.....	330
4.16 Audit Logs.....	338
4.16.1 Querying Audit Logs about a Repository or File.....	338
4.17 Favoriting.....	347
4.17.1 Favoriting/Unfavoriting Packages.....	347
4.17.2 Querying My Favorites.....	352
4.18 File Management.....	359
4.18.1 Querying the Repository Folder Directory.....	359
4.18.2 Querying Repository File Details.....	367
4.18.3 Deleting Non-Maven Files.....	378
4.19 Viewing Permissions.....	383

4.19.1 Querying User Permissions in a Project.....	383
4.20 Artifact Security.....	387
4.20.1 Querying the Artifact Security Scanning Tasks.....	387
4.21 Central Repository.....	395
4.21.1 Check whether the central repository is enabled or not.....	395
4.22 Querying Files in the Release Repos.....	399
4.22.1 Obtaining the File Version List in a Project (to Be Brought Offline).....	399
4.23 Permission Management.....	407
4.23.1 Querying User Tickets.....	407
5 Appendix.....	412
5.1 Status Codes.....	412
5.2 Error Codes.....	415
5.3 Obtaining a Project ID.....	416
5.3.1 Obtaining a CodeArts Project ID.....	416
5.3.2 Obtaining an IAM Project ID.....	416
5.4 Obtaining an Account ID.....	417
5.5 Actions Supported by Identity Policy-based Authorization.....	418
6 Change History.....	429

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

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

- Region

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

Regions are classified into universal regions and dedicated regions.

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

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

- Availability zone

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

- Project

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

For more refined access control, create subprojects under a project and purchase resources in the subprojects. Then you can assign required permissions for users to access only resources in specific subprojects.

- Enterprise project

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

For details about how to obtain enterprise project IDs and features, see [Enterprise Management User Guide](#).

2 API Overview

Table 2-1 CodeArts Artifact APIs

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

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

3 Calling APIs

3.1 Making an API Request

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

Request URI

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

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

The following table describes the parameters.

Parameter	Description
URI-scheme	Protocol used to transmit requests. All APIs use HTTPS .
Endpoint	Domain name or IP address of the server bearing the REST service. The endpoint varies among services in different regions. It can be obtained from Regions and Endpoints . For example, the endpoint of IAM in the 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 for **obtaining a user token**, you must set **auth.scope** in the request body to **project**.

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

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

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

```
GET https://iam.ap-southeast-3.myhuaweicloud.com/v3.0/OS-USER/users  
Content-Type: application/json  
X-Auth-Token: ABCDEFGH....
```

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 → MIIYXQYJKoZIhvcNAQcCoIIYJCCEoCAQExDTALBglghkgB8QMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOnsiZXhwaXJlc19hdCI6IjIwMTktMDItMTNUMC
fj3KJs6YgKnpVNRbW2eZ5eb78SZOkqJACgkIQ1wi4JlGzrpd18LGXK5tdfdq4lqHCYb8P4NaY0NYejcAgz/VeFYtLWT1GSO0zxKZmlQHqJ82HBqHdgIZO9fuEebL5dMhdavj+33wEI
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1Frucol6jagIrkNPQuFSOU8+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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartif act:releaseR epo:read	Read	-	-	-	-

URI

GET /devreposerver/v5/data/package

Table 4-1 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-2 Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

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

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

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 ShowPackageDataDetailSolution {

    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();
        ShowPackageDataDetailRequest request = new ShowPackageDataDetailRequest();
        try {
            ShowPackageDataDetailResponse response = client.showPackageDataDetail(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 = ShowPackageDataDetailRequest()  
        response = client.show_package_data_detail(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.ShowPackageDataDetailRequest{}  
response, err := client.ShowPackageDataDetail(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](#).

4.1.2 Obtaining Package Status of the Current User

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

URI

GET /devreposerver/v5/data/package/info

Table 4-3 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-4 Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

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

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 ShowPackageInfoSolution {

    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();
        ShowPackageInfoRequest request = new ShowPackageInfoRequest();
        try {
            ShowPackageInfoResponse response = client.showPackageInfo(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 = ShowPackageInfoRequest()  
        response = client.show_package_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.ShowPackageInfoRequest{}
response, err := client.ShowPackageInfo(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](#).

4.2 File Management (Release Repos)

4.2.1 Deleting a File or Folder Permanently

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:deleteOrRestorePackage	Write	-	-	-	-

URI

DELETE /devreposerver/v5/files/compeletion

Request Parameters

Table 4-5 Request header parameters

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

Table 4-6 Request body parameters

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

Response Parameters

Status code: 200

Table 4-7 Response body parameters

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

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

Example Requests

```
https://localhost.com/devreposerver/v5/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  
  }  
}
```

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.*;
```

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

public class DeleteCompletelyUpdateFileStateSolution {

    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();

        DeleteCompletelyUpdateFileStateRequest request = new DeleteCompletelyUpdateFileStateRequest();
        List<String> listbodyBody = new ArrayList<>();
        listbodyBody.add("666666af0f00445f85dec483fbc97c78");
        listbodyBody.add("6666666efdf244a3abcd53e5b19e86f4");
        listbodyBody.add("666666547a54464397b73c7ee1efd124");
        request.withBody(listbodyBody);
        try {
            DeleteCompletelyUpdateFileStateResponse response =
client.deleteCompletelyUpdateFileState(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 = DeleteCompletelyUpdateFileStateRequest()
    listBodybody = [
        "666666af0f00445f85dec483fbc97c78",
        "6666666efdf244a3abcd53e5b19e86f4",
        "666666547a54464397b73c7ee1efd124"
    ]
    request.body = listBodybody
    response = client.delete_completely_update_file_state(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.DeleteCompletelyUpdateFileStateRequest{}
    var listBodybody = []string{
        "666666af0f00445f85dec483fbc97c78",
        "6666666efdf244a3abcd53e5b19e86f4",
        "666666547a54464397b73c7ee1efd124",
    }
    request.Body = &listBodybody
    response, err := client.DeleteCompletelyUpdateFileState(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](#).

4.2.2 Querying the Build Archive Package List by Page

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

URI

GET /devreposerver/v5/files/archives

Table 4-8 Query Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-9 Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "76629-1718767414372-27337",
  "result": {
    "data": [ {
      "domainId": "09d2ca2f5080d5b60f51c00ae5666666",
      "region": "region",
      "createdTime": "2024-02-27 18:29:19",
      "createdUserId": "09d2ca2ffd00d3c21ff8c00a4d666666",
      "createdUserName": "test-user",
      "buildId": "11236703da854239ab51209ea7666666",
      "buildName": "maven1-23414517",
      "buildNo": "20240227.3",
      "buildVersion": "20240227.3",
      "buildUrl": "https://localhost.com/codeci/project/1bbbdd388234492793eb1bf59e666666/codeci/detail/
workspace/11236703da854239ab51209ea7666666/3",
      "repoUrl": "",
      "repoBranch": "master",
      "commitId": "66666683c1590363818225ec649d7cf161f0d49c",
      "projectId": "1bbbdd388234492793eb1bf59e666666",
      "fileId": "666666f9d76f405a8d503b841de02b51",
      "repoName": "region_1bbbdd388234492793eb1bf59e666666_generic_0",
      "parentId": "66666687399849b782b13c9512fbb3b6",
      "fileName": "HelloWorld.class",
      "size": 534,
      "md5": "e06fcae2912a318db12955f37cd9230b",
      "sha256": "96f5666537da969efee5f51f2969771b3743ada63fde57e42ad210c116ceedaf",
      "downloadUrlWithId": "https://localhost.com/DevRepoServer/v1/files/download?
file_id=666666f9d76f405a8d503b841de02b51&type=archive",
      "webUrl": "https://localhost.com/cloudartifact/project/1bbbdd388234492793eb1bf59e666666/private/
general?parentId=66666687399849b782b13c9512fbb3b6",
      "versionEnable": false,
      "migratedState": 2,
      "repoSameTrashFileName": "trash_e653c9f9d76f405a8d503b841666666"
    } ],
    "totalRecords": 1,
    "totalPages": 1
  }
}
```

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 ListFileBuildArchivesSolution {

    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();
        ListFileBuildArchivesRequest request = new ListFileBuildArchivesRequest();
        try {
            ListFileBuildArchivesResponse response = client.listFileBuildArchives(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 = ListFileBuildArchivesRequest()
        response = client.list_file_build_archives(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.ListFileBuildArchivesRequest{}
    response, err := client.ListFileBuildArchives(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](#).

4.2.3 Querying the File or Project List

Function

Query the file or project list.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

URI

POST /devreposerver/v5/files/list

Request Parameters

Table 4-10 Request body parameters

Parameter	Mandatory	Type	Description
page_no	No	Integer	Definition Page number. Constraints N/A. Range Minimum value: 1 Default value 1

Parameter	Mandatory	Type	Description
page_size	No	Integer	Definition Page size. Constraints N/A. Range 1–100 Default value 10
parent_id	No	String	Definition Parent directory ID. Constraints N/A. 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. Range The value can contain up to 32 characters. Only lowercase letters and digits are supported. Default value N/A.

Parameter	Mandatory	Type	Description
search_name	No	String	Definition Search keyword. Constraints N/A. Range N/A. Default value N/A.
search_type	No	String	Definition Search type. Constraints N/A. Range N/A. Default value N/A.
extension	No	String	Definition Suffix. Constraints N/A. Range N/A. Default value N/A.
order_by	No	String	Definition Sorting field. Constraints N/A. Range N/A. Default value N/A.

Parameter	Mandatory	Type	Description
sort	No	String	Definition Sorting method. Constraints N/A. Range Ascending or descending. Default value N/A.
status	No	String	Definition File status. Constraints N/A. Range N/A. Default value N/A.
category	No	String	Definition Package status. Constraints N/A. 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. Range success: The request is successful. error: The request fails.

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	RepoFileDOV5Page object	Definition File list. Range N/A.

Table 4-12 RepoFileDOV5Page

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

Table 4-13 RepoFileDOV5

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

Parameter	Type	Description
file_id	String	Definition File ID. Range N/A.
repo_name	String	Definition Repository ID. Range N/A.
project_name	String	Definition Project name. Range N/A.
parent_id	String	Definition Parent directory ID. Range N/A.
name	String	Definition File name. Range N/A.
file_name	String	Definition File name. Range N/A.
type	String	Definition File type. folder indicates a directory, and file indicates a file. Range N/A.
category	String	Definition Release package status. test indicates a test package, and prod indicates a release package. Range N/A.

Parameter	Type	Description
extension	String	Definition File name extension. Range N/A.
path	String	Definition File path. Range N/A.
full_path	String	Definition File path (including the project). Range N/A.
size	Long	Definition File size (in bytes). Range N/A.
md5	String	Definition MD5. Range N/A.
sha256	String	Definition SHA-256. Range N/A.
download_url	String	Definition Download URL. Range N/A.
download_url_with_id	String	Definition Download URL with an ID. Range N/A.
web_url	String	Definition web_url . Range N/A.

Parameter	Type	Description
version_enable	Boolean	Definition version_enable. Range N/A.
migrated_state	Integer	Definition migrated_state. Range N/A.
upload_id	String	Definition upload_id. Range N/A.

Example Requests

Query the file or project list.

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

{
  "page_no" : 1,
  "page_size" : 10,
  "project_id" : "8de56c5a10894ad3aaef9e6558f17ea3"
}
```

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
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Query the file or project list.

```
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 ListFilesSolution {

    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();
        ListFilesRequest request = new ListFilesRequest();
        RepoFileQueryDTOV5 body = new RepoFileQueryDTOV5();
        body.withPageSize(10);
        body.withPageNo(1);
```

```
body.withProjectId("8de56c5a10894ad3aaef9e6558f17ea3");
request.withBody(body);
try {
    ListFilesResponse response = client.listFiles(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

Query the file or project list.

```
# 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 = ListFilesRequest()
        request.body = RepoFileQueryDTOV5(
            page_size=10,
            page_no=1,
            project_id="8de56c5a10894ad3aaef9e6558f17ea3"
        )
        response = client.list_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

Query the file or project list.

```
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.ListFilesRequest{  
        pageSizeRepoFileQueryDtov5:= int32(10)  
        pageNoRepoFileQueryDtov5:= int32(1)  
        projectIdRepoFileQueryDtov5:= "8de56c5a10894ad3aaef9e6558f17ea3"  
        request.Body = &model.RepoFileQueryDtov5{  
            PageSize: &pageSizeRepoFileQueryDtov5,  
            PageNo: &pageNoRepoFileQueryDtov5,  
            ProjectId: &projectIdRepoFileQueryDtov5,  
        }  
    }  
    response, err := client.ListFiles(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](#).

4.2.4 Querying Details about a File

Function

Query details about a file.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

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

Table 4-16 RepoFileDOV5

Parameter	Type	Description
id	String	Definition id. Range N/A.
file_id	String	Definition File ID. Range N/A.
repo_name	String	Definition Repository ID. Range N/A.

Parameter	Type	Description
project_name	String	Definition Project name. Range N/A.
parent_id	String	Definition Parent directory ID. Range N/A.
name	String	Definition File name. Range N/A.
file_name	String	Definition File name. Range N/A.
type	String	Definition File type. folder indicates a directory, and file indicates a file. Range N/A.
category	String	Definition Release package status. test indicates a test package, and prod indicates a release package. Range N/A.
extension	String	Definition File name extension. Range N/A.
path	String	Definition File path. Range N/A.

Parameter	Type	Description
full_path	String	Definition File path (including the project). Range N/A.
size	Long	Definition File size (in bytes). Range N/A.
md5	String	Definition MD5. Range N/A.
sha256	String	Definition SHA-256. Range N/A.
download_url	String	Definition Download URL. Range N/A.
download_url_with_id	String	Definition Download URL with an ID. Range N/A.
web_url	String	Definition web_url . Range N/A.
version_enable	Boolean	Definition version_enable . Range N/A.
migrated_state	Integer	Definition migrated_state . Range N/A.

Parameter	Type	Description
upload_id	String	Definition upload_id. 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-xxxx-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-xxxx-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"
  }
}
```

```
}  
}
```

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 ShowFileDetailSolution {  
  
    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();  
        ShowFileDetailRequest request = new ShowFileDetailRequest();  
        request.withId("{id}");  
        try {  
            ShowFileDetailResponse response = client.showFileDetail(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 = ShowFileDetailRequest()
        request.id = "{id}"
        response = client.show_file_detail(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.ShowFileDetailRequest{}
    request.Id = "{id}"
    response, err := client.ShowFileDetail(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](#).

4.2.5 Querying Details about a File

Function

Query details about a file.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartif act:releaseR epo:read	Read	-	-	-	-

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

Table 4-19 RepoFileDOV5

Parameter	Type	Description
id	String	Definition id. Range N/A.
file_id	String	Definition File ID. Range N/A.
repo_name	String	Definition Repository ID. Range N/A.
project_name	String	Definition Project name. Range N/A.
parent_id	String	Definition Parent directory ID. Range N/A.
name	String	Definition File name. Range N/A.
file_name	String	Definition File name. Range N/A.
type	String	Definition File type. folder indicates a directory, and file indicates a file. Range N/A.

Parameter	Type	Description
category	String	Definition Release package status. test indicates a test package, and prod indicates a release package. Range N/A.
extension	String	Definition File name extension. Range N/A.
path	String	Definition File path. Range N/A.
full_path	String	Definition File path (including the project). Range N/A.
size	Long	Definition File size (in bytes). Range N/A.
md5	String	Definition MD5. Range N/A.
sha256	String	Definition SHA-256. Range N/A.
download_url	String	Definition Download URL. Range N/A.

Parameter	Type	Description
download_url_with_id	String	Definition Download URL with an ID. Range N/A.
web_url	String	Definition web_url . Range N/A.
version_enable	Boolean	Definition version_enable . Range N/A.
migrated_state	Integer	Definition migrated_state . Range N/A.
upload_id	String	Definition upload_id . 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" : "bd992ba958893fa9aabdf63fecbfda91583959b9c383054c5a5f66c9b109887",
"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"
}
}
```

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 ShowFileDetailByFullNameSolution {

    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();
        ShowFileDetailByFullNameRequest request = new ShowFileDetailByFullNameRequest();
        try {
            ShowFileDetailByFullNameResponse response = client.showFileDetailByFullName(request);
            System.out.println(response.toString());
        } catch (Exception 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

```
# 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 = ShowFileDetailByFullNameRequest()
        response = client.show_file_detail_by_full_name(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.ShowFileDetailByFullNameRequest{}
response, err := client.ShowFileDetailByFullName(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](#).

4.3 Release Repos Details

4.3.1 Querying Auto Deleting Task Settings in a Project

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions.

For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:getProjectInfo	Read	-	-	-	-

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

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

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "76629-1718852080645-39",
  "result" : {
    "is_schedule_to_trash" : true,
    "is_schedule_to_delete" : true,
    "file_expire_time" : 90,
    "trash_file_expire_time" : 66,
    "project_id" : "6666669620d743eca6a57881a0f006fd",
    "cleanRule" : {
      "skipAutoTrash" : {
        "packageCategory" : "prod",
        "paths" : [ "/a/b/c", "/d/d" ]
      }
    }
  }
}
```

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 ShowAutoDeleteJobSettingsSolution {

    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();
ShowAutoDeleteJobSettingsRequest request = new ShowAutoDeleteJobSettingsRequest();
request.withProjectId("{project_id}");
try {
    ShowAutoDeleteJobSettingsResponse response = client.showAutoDeleteJobSettings(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 = ShowAutoDeleteJobSettingsRequest()
        request.project_id = "{project_id}"
        response = client.show_auto_delete_job_settings(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.ShowAutoDeleteJobSettingsRequest{}
    request.ProjectId = "{project_id}"
    response, err := client.ShowAutoDeleteJobSettings(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](#).

4.4 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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:getProjectInfo	Read	-	-	-	-

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

Parameter	Type	Description
result	Array of ProjectRolePermissionDo objects	Definition Permission list. Range N/A.

Table 4-24 ProjectRolePermissionDo

Parameter	Type	Description
id	String	Definition id. Range N/A.
role_id	Integer	Definition Role ID. Range N/A.
devuc_role_id	String	Definition ID of the DevUC role. Range N/A.
project_id	String	Definition Project ID. Range N/A.
is_permission_config	Boolean	Definition Whether the user has the permission configuration permission. Range N/A.
is_change_pkg_status	Boolean	Definition Whether the package status can be changed. Range N/A.

Parameter	Type	Description
is_upload	Boolean	Definition Whether the package can be uploaded. Range N/A.
is_delete_restore_test_pkg	Boolean	Definition Whether the test package can be deleted and restored. Range N/A.
is_delete_restore_prod_pkg	Boolean	Definition Whether the production package can be deleted and restored. Range N/A.
is_edit_test_pkg	Boolean	Definition Whether the test package can be edited. Range N/A.
is_mkdir	Boolean	Definition Whether a folder can be created. Range N/A.
is_download	Boolean	Definition Whether the download can be performed. Range N/A.
is_restore_all	Boolean	Definition Whether items in the recycle bin can be restored. Range N/A.
is_empty	Boolean	Definition Empty or not. Range N/A.

Parameter	Type	Description
create_time	Long	Definition Creation time. Range N/A.
update_time	Long	Definition Update time. Range N/A.
migrated_630	Integer	Definition migrated_630 . Range N/A.
region	String	Definition Area. Range N/A.
user_id	String	Definition User ID. Range N/A.
roles	String	Definition Role. 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-xxxx-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-xxxx-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-xxxx-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-xxxxx-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-xxxxx-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-xxxxx-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-xxxx-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-xxxx-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-xxxx-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
}]
}
```

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 ListProjectRolePermissionsSolution {

    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();
ListProjectRolePermissionsRequest request = new ListProjectRolePermissionsRequest();
try {
    ListProjectRolePermissionsResponse response = client.listProjectRolePermissions(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 = ListProjectRolePermissionsRequest()
        response = client.list_project_role_permissions(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.ListProjectRolePermissionsRequest{}
    response, err := client.ListProjectRolePermissions(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](#).

4.4.2 Querying Permissions of a Multi-Role User

Function

Query permissions of a multi-role user.

Calling Method

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

Authorization Information

No identity policy-based permission required for calling this API.

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

Table 4-27 ProjectRolePermissionDo

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

Parameter	Type	Description
is_permission_config	Boolean	Definition Whether the user has the permission configuration permission. Range N/A.
is_change_pkg_status	Boolean	Definition Whether the package status can be changed. Range N/A.
is_upload	Boolean	Definition Whether the package can be uploaded. Range N/A.
is_delete_restore_test_pkg	Boolean	Definition Whether the test package can be deleted and restored. Range N/A.
is_delete_restore_prod_pkg	Boolean	Definition Whether the production package can be deleted and restored. Range N/A.
is_edit_test_pkg	Boolean	Definition Whether the test package can be edited. Range N/A.
is_mkdir	Boolean	Definition Whether a folder can be created. Range N/A.

Parameter	Type	Description
is_download	Boolean	Definition Whether the download can be performed. Range N/A.
is_restore_all	Boolean	Definition Whether items in the recycle bin can be restored. Range N/A.
is_empty	Boolean	Definition Empty or not. Range N/A.
create_time	Long	Definition Creation time. Range N/A.
update_time	Long	Definition Update time. Range N/A.
migrated_630	Integer	Definition migrated_630. Range N/A.
region	String	Definition Area. Range N/A.
user_id	String	Definition User ID. Range N/A.

Parameter	Type	Description
roles	String	Definition Role. 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-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
  }
}
```

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 ShowMultiRolesUserPermissionsSolution {

    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();
        ShowMultiRolesUserPermissionsRequest request = new ShowMultiRolesUserPermissionsRequest();
        try {
            ShowMultiRolesUserPermissionsResponse response =
client.showMultiRolesUserPermissions(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 = ShowMultiRolesUserPermissionsRequest()
response = client.show_multi_roles_user_permissions(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.ShowMultiRolesUserPermissionsRequest{}
    response, err := client.ShowMultiRolesUserPermissions(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](#).

4.5 Release Repos Settings

4.5.1 Querying Tenant Capacity Notification Settings

Function

Query tenant capacity notification settings.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact::getAccountInfo	Read	-	-	-	-

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

Table 4-29 CapacitySettingVO

Parameter	Type	Description
capacity_threshold	Integer	Definition Capacity threshold. Range N/A.
message_type	Integer	Definition Message type. Range N/A.
is_mail_enabled	Integer	Definition Email enabled or not. Range N/A.
is_sms_enabled	Integer	Definition SMS messages enabled or not. 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
  }
}
```

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 ListCapacityMessageSettingSolution {

    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();
        ListCapacityMessageSettingRequest request = new ListCapacityMessageSettingRequest();
        try {
            ListCapacityMessageSettingResponse response = client.listCapacityMessageSetting(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 = ListCapacityMessageSettingRequest()
        response = client.list_capacity_message_setting(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.ListCapacityMessageSettingRequest{}
response, err := client.ListCapacityMessageSetting(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](#).

4.6 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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

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

Table 4-33 LatestVersionFilesCount

Parameter	Type	Description
count	Long	Definition Quantity. 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
  }
}
```

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 ShowLatestVersionFilesCountSolution {

    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();
        ShowLatestVersionFilesCountRequest request = new ShowLatestVersionFilesCountRequest();
        request.withProjectId("{project_id}");
        try {
            ShowLatestVersionFilesCountResponse response = client.showLatestVersionFilesCount(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 = ShowLatestVersionFilesCountRequest()
        request.project_id = "{project_id}"
        response = client.show_latest_version_files_count(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.ShowLatestVersionFilesCountRequest{}
request.ProjectId = "{project_id}"
response, err := client.ShowLatestVersionFilesCount(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](#).

4.6.2 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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

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: File name. Constraints: N/A Value range: N/A Default value: N/A
sort_by	No	String	Definition: Sorting field. Constraints: N/A Value range: N/A Default value: N/A

Parameter	Mandatory	Type	Description
sort_dir	No	String	Definition: Sorting rule. Constraints: N/A Value range: • asc: Ascending order. • desc: Descending order. Default value: desc.
offset	No	Integer	Definition: Start position of the pagination query. Constraints: N/A Value range: N/A Default value: N/A
limit	No	Integer	Definition: Number of records displayed on each page. 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. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Array of VersionViewVoV5 objects	Definition Latest version list. Range N/A.

Table 4-37 VersionViewVoV5

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

Parameter	Type	Description
path	String	Definition File path. 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": "7ca22127d0d544bebd0115b42afa57",
  "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"
} ]
}
```

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 ListLatestVersionFilesSolution {

    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();
        ListLatestVersionFilesRequest request = new ListLatestVersionFilesRequest();
        request.withProjectId("{project_id}");
        try {
            ListLatestVersionFilesResponse response = client.listLatestVersionFiles(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 = ListLatestVersionFilesRequest()
        request.project_id = "{project_id}"
        response = client.list_latest_version_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.ListLatestVersionFilesRequest{}
request.ProjectId = "{project_id}"
response, err := client.ListLatestVersionFiles(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](#).

4.7 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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact::getAccountInfo	Read	-	-	-	-

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. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	ReleaseStorageV5 object	Definition Storage capacity information. Range N/A.

Table 4-39 ReleaseStorageVOV5

Parameter	Type	Description
used_capacity	String	Definition Used storage space (with a unit). Range N/A.
total_capacity	String	Definition Maximum storage space of a tenant (with a unit). Range N/A.
used_capacity_size	Long	Definition Used storage space (in bytes). Range N/A.
total_capacity_size	Long	Definition Maximum storage space of a tenant (in bytes). Range N/A.
package_type	String	Definition Yearly/Monthly package type (0: no package; 1: basic; 2: professional; 3: platinum). Range N/A.
total_count	Long	Definition Repositories in a project. 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.xxxx.enterprise",
    "total_count" : 149
  }
}
```

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 ShowDomainReleaseRepoStorageSolution {

    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();
        ShowDomainReleaseRepoStorageRequest request = new ShowDomainReleaseRepoStorageRequest();
        try {
            ShowDomainReleaseRepoStorageResponse response =
            client.showDomainReleaseRepoStorage(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 = ShowDomainReleaseRepoStorageRequest()
        response = client.show_domain_release_repo_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.ShowDomainReleaseRepoStorageRequest{}
```

```
response, err := client.ShowDomainReleaseRepoStorage(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](#).

4.7.2 Querying the Storage Capacity in a Project

Function

Query the storage capacity in a project.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:getProjectInfo	Read	-	-	-	-

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

Table 4-43 StorageInfoDOV5

Parameter	Type	Description
used_space_length	Long	Definition Used space (in bytes). Range N/A.
used_space	String	Definition Used space (with a unit). Range N/A.
files_count	Long	Definition Number of files. 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
  }
}
```

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 ShowProjectStorageInfoSolution {

    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();
        ShowProjectStorageInfoRequest request = new ShowProjectStorageInfoRequest();
        request.withProjectId("{project_id}");
        try {
            ShowProjectStorageInfoResponse response = client.showProjectStorageInfo(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 = ShowProjectStorageInfoRequest()
        request.project_id = "{project_id}"
        response = client.show_project_storage_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.ShowProjectStorageInfoRequest{}
request.ProjectId = "{project_id}"
response, err := client.ShowProjectStorageInfo(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](#).

4.8 Querying Files in Release Repos

4.8.1 Querying File Versions in a Project

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

URI

GET /v2/{project_id}/release/files

Table 4-44 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

Table 4-45 Query Parameters

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

Parameter	Mandatory	Type	Description
offset	No	Integer	Definition Start position of the pagination query. Constraints N/A. Range The value is greater than 0 . Default value 0

Request Parameters

Table 4-46 Request header parameters

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

Response Parameters

Status code: 200

Table 4-47 Response body parameters

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

Table 4-48 result

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

Table 4-49 ReleaseFileVersionDo

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

Status code: 403

Table 4-50 Response body parameters

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

Status code: 500

Table 4-51 Response body parameters

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

Example Requests

[illegible]

Example Responses

Status code: 403

Forbidden

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

Status code: 500

Internal Error

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

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.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 = 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 Restoring Multiple Packages in the Recycle Bin

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:restore	Write	-	-	-	-

URI

PUT /cloudartifact/v5/trashes

Request Parameters

Table 4-52 Request body parameters

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

Table 4-53 IDETrashArtifactModel

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

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

Response Parameters

Status code: 200

Table 4-54 Response body parameters

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

Table 4-55 TrashcanResultData

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

Example Requests

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

```
/v5/trashes  
[ {
```

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

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

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

```
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

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

```
# 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

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

```
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{}  
    var listBodybody = []model.IDeTrashArtifactModel{  
        {  
            Id: "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",  
            Format: "go",  
            Status: "active",  
            Uri: "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/",  
        },  
        {  
            Id: "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23",  
            Format: "maven2",  
            Status: "active",  
            Uri: "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_23/",  
        },  
    }  
    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 Moving Packages to the Recycle Bin

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:completelyDelete	Write	-	-	-	-

URI

DELETE /cloudartifact/v5/trashes

Request Parameters

Table 4-56 Request body parameters

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

Table 4-57 TrashArtifactModelForDelete

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

Parameter	Mandatory	Type	Description
format	Yes	String	Definition Package type. Constraints N/A. Range maven2, docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic. Default value None
uri	Yes	String	Definition Repository path to be deleted. Constraints N/A. Range N/A. Default value None
status	Yes	String	Definition Status. Constraints N/A. Range active: Normal. trash: Deprecated. delete: Deleted. Default value None
include_pattern	No	String	Definition Include Patterns. Constraints N/A. Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-58 Response body parameters

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

Table 4-59 TrashcanResultData

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

Example Requests

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

https://artifact.example-1.myhuaweicloud.com/cloudartifact/v5/trashes

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

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to move packages to 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-xxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43")
        .withFormat("debian")
        .withUri("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/")
        .withStatus("active")
);
listbodyBody.add(
    new TrashArtifactModelForDelete()
        .withId("xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4")
        .withFormat("go")
        .withUri("xx-xxxx-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

This API is used to move packages to 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",  
        format="debian",  
        uri="xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/",  
        status="active"  
    ),  
    TrashArtifactModelForDelete(  
        id="xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",  
        format="go",  
        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

This API is used to move packages to 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_5a775fdb14f4431b6c0015618140bc3_debian_43",  
            Format: "debian",  
            Uri: "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_debian_43/",  
            Status: "active",  
        },  
        {  
            Id: "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4",  
            Format: "go",  
            Uri: "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_go_4/",
```

```
        Status: "active",
    },
}
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

This API is used to create a Maven repository.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:create	Write	-	-	-	-

URI

POST /cloudartifact/v5/maven/repositories

Request Parameters

Table 4-60 Request body parameters

Parameter	Mandatory	Type	Description
repository_name	Yes	String	Definition Repository name. Constraints String length: 1-50 characters. Range N/A. Default value None
format	Yes	String	Definition Package type. Constraints N/A. Range maven2 Default value None

Parameter	Mandatory	Type	Description
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None
release	No	String	Definition Release repository name. Constraints String length: 1–50 characters. Range N/A. Default value None
snapshot	No	String	Definition Snapshot repository name. Constraints String length: 1–50 characters. Range N/A. Default value None
includes_pattern	No	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None

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

Response Parameters

Status code: 200

Table 4-61 Response body parameters

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

Table 4-62 CreateMavenRepoResult

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

Example Requests

This API is used to create a Maven repository.

<https://artifact.example-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_5a775fdb14f4431b6c0015618140bc3_maven_1_201",
    "snapshot" : "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201"
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to create 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.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

This API is used to create 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

This API is used to create 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{
        projectIdIdeRepositoryDo: "e2ee90487d6349dd944a5767225f6f55"
        shareRightIdeRepositoryDo: "PROJECT"
        includesPatternIdeRepositoryDo: "**/*"
        snapshotIdeRepositoryDo: "testmaven"
        releaseIdeRepositoryDo: "testmaven"
        descriptionIdeRepositoryDo: ""
        request.Body = &model.IdeRepositoryDo{
            Type: "hosted",
            ProjectId: &projectIdIdeRepositoryDo,
            ShareRight: &shareRightIdeRepositoryDo,
            IncludesPattern: &includesPatternIdeRepositoryDo,
            Snapshot: &snapshotIdeRepositoryDo,
            Release: &releaseIdeRepositoryDo,
            Description: &descriptionIdeRepositoryDo,
            Format: "maven2",
            RepositoryName: "testmaven",
        }
    }
    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

This API is used to edit a repository.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:edit	Write	-	-	-	-

URI

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

Table 4-63 Path Parameters

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

Request Parameters

Table 4-64 Request body parameters

Parameter	Mandatory	Type	Description
repo_name	Yes	String	Definition Repository name. Constraints String length: 1–20 characters. Range N/A. Default value None
includes_pattern	Yes	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None
snapshot	No	String	Definition Snapshot repository name. Constraints String length: 1–20 characters. Range N/A. Default value None

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

Response Parameters

Status code: 200

Table 4-65 Response body parameters

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

Table 4-66 MavenTabRepo

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

Example Requests

This API is used to edit a Maven repository.

```
https://artifact.example-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

This API is used to 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

This API is used to 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

This API is used to 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"
    request.Body = &model.IdeRepositoryPair{
        Release: &releaseIdeRepositoryPair,
```

```
Snapshot: &snapshotIdeRepositoryPair,  
Description: &descriptionIdeRepositoryPair,  
IncludesPattern: "**/*",  
RepoName: "testmaven",  
}  
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

This API is used to view repository information.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:read	Read	-	-	-	-

URI

GET /cloudartifact/v5/repositories/{repo_id}

Table 4-67 Path Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-68 Response body parameters

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

Table 4-69 RepositoryDO

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

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

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

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

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

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

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

Example Requests

This API is used to view repository information.

```
https://artifact.example-1.myhuaweicloud.com/cloudartifact/v5/repositories/xx-xxxxx-x_5a775fdbcb14f4431b6c0015618140bc3_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_5a775fdbcb14f4431b6c0015618140bc3_maven_1_201",
    "disable": false,
    "format": "maven2",
    "type": "hosted",
    "policy": null,
    "tabId": "5a775fdbcb14f4431b6c0015618140bc3_tab_maven2_201",
    "repositoryName": "testmaven",
    "displayName": null,
    "description": "12",
    "snapshot": "testmaven",
    "release": "testmaven",
    "npm": null,
    "snapshotStatus": "active",
    "releaseStatus": "active",
    "projectId": "e2ee90487d6349dd944a5767225f6f55",
    "includesPattern": "**/*",
    "repositoryIds": null,
  }
}
```

```
"uri" : null,
"deploymentPolicy" : "allowRedeploy",
"repositories" : null,
"parentRepoName" : null,
"userName" : null,
"password" : null,
"remoteUrl" : null,
"defaultDeployRepository" : null,
"remoteType" : null,
"proxy" : null,
"allowAnonymous" : false,
"autoCleanSnapshot" : null,
"snapshotAliveDays" : null,
"maxUniqueSnapshots" : "10",
"shareRight" : "PROJECT",
"nexuRepo" : false,
"url" : "https://devrepo.devcloud.xx-xxxxx-x.huawei.com/artgalaxy/xx-xxxxx-
x_5a775fdb14f4431b6c0015618140bc3_maven_1_201/",
"packageType" : "maven"
}
}
```

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.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 = 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

This API is used to create a Docker registry.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:create	Write	-	-	-	-

URI

POST /cloudartifact/v5/repositories

Request Parameters

Table 4-70 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Definition Package type. Constraints N/A. Range Docker Default value None
display_name	Yes	String	Definition Repository display name. Constraints The value can contain up to 20 characters. Only letters, digits, underscores (_), hyphens (-), and periods (.) are supported. Range N/A. Default value None

Parameter	Mandatory	Type	Description
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None
type	Yes	String	Definition Repository type. Constraints N/A. Range hosted : local repository Default value None

Response Parameters

Status code: 200

Table 4-71 Response body parameters

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

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

Example Requests

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

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

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to 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.getStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

This API is used to 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.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 = 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

This API is used to 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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:delete	Write	-	-	-	-

URI

DELETE /cloudartifact/v5/repositories

Request Parameters

Table 4-72 Request body parameters

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

Response Parameters

Status code: 200

Table 4-73 Response body parameters

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

Example Requests

This API is used to delete a repository.

```
https://artifact.example-1.myhuaweicloud.com/cloudartifact/v5/repositories
{
  "format" : "maven2",
  "repository_ids" : [ "xx-xxxxx-x_5a775fdcb14f4431b6c0015618140bc3_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

This API is used to 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 (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

This API is used to 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-xxxx-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

This API is used to 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"
repositoryIdIdeRepoRevisionModel:= "[xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_2_201]"
request.Body = &model.IdeRepoRevisionModel{
    Format: &formatIdeRepoRevisionModel,
    RepositoryIds: &repositoryIdIdeRepoRevisionModel,
}
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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

GET /cloudartifact/v5/maven/info

Table 4-74 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
policy	No	String	Definition Repository type. The options are snapshot or release . Constraints N/A. 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. Range r and rw. Default value r.
default	No	String	Definition Whether to return the default repository. Constraints N/A. Range true and false. Default value false
ids	No	String	Definition Repository IDs. Use commas (,) to separate multiple repository IDs. Repository ID. The format is <i>{region}{domainId}{format}_{sequence}</i> . You can find the repository ID on the general page of your self-hosted repos. It is the string located between the last two slashes (/) in the repository URL. Constraints N/A. Range Maximum length: 512 characters. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-75 Response body parameters

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

Table 4-76 RepositoryBuildVO

Parameter	Type	Description
username	String	Definition Account. Range N/A.
password	String	Definition Password. Range N/A.

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

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

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

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

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

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

Example Requests

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

```
https://artifact.example-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": "5a775fdbcb14f4431b6c0015618140bc3",
    "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.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.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.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 = 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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:create	Write	-	-	-	-

URI

POST /cloudartifact/v5/artifact/

Request Parameters

Table 4-77 Request body parameters

Parameter	Mandatory	Type	Description
format	Yes	String	Definition Package type. Constraints N/A. Range docker, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, and generic. Default value None

Parameter	Mandatory	Type	Description
type	Yes	String	Definition Repository type. Constraints N/A. Range hosted : local repository Default value None
repository_name	Yes	String	Definition Repository name. Constraints String length: 1–50 characters. Range N/A. Default value None
description	No	String	Definition Repository description. Constraints Maximum length: 200 characters. Range N/A. Default value None
includes_pattern	Yes	String	Definition Include Patterns. Constraints Maximum length: 512 characters. Range N/A. Default value None

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

Response Parameters

Status code: 200

Table 4-78 Response body parameters

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

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

Table 4-79 CreateArtifactFactoryResult

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

Table 4-80 RepositoryDO

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

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

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

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

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

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

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

Example Requests

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

```
https://artifact.example-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.huawei.com/artgalaxy/api/pypi/xx-xxxxx-
x_5a775fdb14f4431b6c0015618140bc3_pypi_41/",
"packageType" : "pypi"
}
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to 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

This API is used to 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

This API is used to 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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:edit	Write	-	-	-	-

URI

PUT /cloudartifact/v5/artifact/

Request Parameters

Table 4-81 Request body parameters

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

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

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

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

Response Parameters

Status code: 200

Table 4-82 Response body parameters

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

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

Example Requests

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

```
https://artifact.example-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

This API is used to 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

This API is used to 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-xxxx-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

This API is used to 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.UpdateArtifactRequest{}
var listRepositoryIdsbody = []string{
    "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_pypi_41",
}
deploymentPolicyUpdateNotMavenRepoDo:= "allowRedeploy"
descriptionUpdateNotMavenRepoDo:= "11"
request.Body = &model.UpdateNotMavenRepoDo{
    DeploymentPolicy: &deploymentPolicyUpdateNotMavenRepoDo,
    IncludesPattern: "11/**/*,22/**/*",
    RepositoryIds: listRepositoryIdsbody,
    Description: &descriptionUpdateNotMavenRepoDo,
    Format: "pypi",
    RepoName: "test-pypi",
}
response, err := client.UpdateArtifact(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 Maven Repositories

Function

Query Maven repositories.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

GET /cloudartifact/v5/maven/list

Table 4-83 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

Parameter	Mandatory	Type	Description
policy	No	String	Definition: Repository type. The options are snapshot or release . Constraints: N/A Value range: snapshot and release Default value: N/A
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 4-84 Response body parameters

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

Table 4-85 RepositoryDOV5

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

Parameter	Type	Description
region	String	Definition Area. Range N/A.
created_time	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modified_time	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
created_user_id	String	Definition Creator ID. Range N/A.
created_user_name	String	Definition Creator. Range N/A.
modified_user_id	String	Definition Modifier ID. Range N/A.
modified_user_name	String	Definition Modifier. Range N/A.
repository_name	String	Definition Repository name. Range N/A.

Parameter	Type	Description
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, and conda.
type	String	Definition Repository type. Range hosted: local repository remote: proxy repository virtual: virtual repository
description	String	Definition Repository description. Range N/A.
release	String	Definition Release repository name. Either Release or Snapshot or both must be selected. Range N/A.
snapshot	String	Definition Snapshot repository name. Either Release or Snapshot or both must be selected. Range N/A.
includes_pattern	String	Definition Include Patterns. Range N/A.
excludes_pattern	String	Definition Exclude Patterns. Range N/A.

Parameter	Type	Description
share_right	String	Definition Shared permissions. Range PROJECT
project_id	String	Definition Project ID. Range N/A.
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.
policy	String	Definition Repository policies. Range release or snapshot
npm	String	Definition npm . Range N/A.
uri	String	Definition URI . Range N/A.
repositories	String	Definition repositories . Range N/A.
user_name	String	Definition Account. Range N/A.

Parameter	Type	Description
password	String	Definition Password. Range N/A.
proxy	String	Definition Proxy. Range N/A.
scope	Integer	Definition Range. Range N/A.
url	String	Definition Address. 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. Range N/A.
display_name	String	Definition Repository name displayed. Range N/A.
snapshot_status	String	Definition Snapshot repository status. Range N/A.
release_status	String	Definition Release repository status. Range N/A.

Parameter	Type	Description
repository_ids	String	Definition Repository ID list. Range N/A.
deployment_policy	String	Definition Deployment policies. Range N/A.
parent_repo_name	String	Definition Parent repository name. Range N/A.
remote_url	String	Definition Proxy repository address. Range N/A.
remote_auth	String	Definition Proxy repository authentication. Range N/A.
pypi_registry_url	String	Definition PyPI index proxy address. Range N/A.
default_deploy_repository	String	Definition Default virtual repository. Range N/A.
package_type	String	Definition Package type. Range N/A.
nexu_repo	Boolean	Definition Nexus repository or not. Range N/A.

Parameter	Type	Description
migrate_flag	Integer	Definition Migration flag. 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.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"  
} ]  
}
```

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 ListMavenListSolution {  
  
    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();  
        ListMavenListRequest request = new ListMavenListRequest();  
        try {  
            ListMavenListResponse response = client.listMavenList(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 = ListMavenListRequest()  
        response = client.list_maven_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.ListMavenListRequest{}  
response, err := client.ListMavenList(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](#).

4.10.10 Obtaining Proxy Repositories in a Virtual Repository

Function

Obtain proxy repositories in a virtual repository.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:read	Read	-	-	-	-

URI

GET /cloudartifact/v5/repositories/proxy

Table 4-86 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 4-87 Response body parameters

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

Table 4-88 RepositoryDOV5

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

Parameter	Type	Description
region	String	Definition Area. Range N/A.
created_time	String	Definition Creation time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
modified_time	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
created_user_id	String	Definition Creator ID. Range N/A.
created_user_name	String	Definition Creator. Range N/A.
modified_user_id	String	Definition Modifier ID. Range N/A.
modified_user_name	String	Definition Modifier. Range N/A.
repository_name	String	Definition Repository name. Range N/A.

Parameter	Type	Description
format	String	Definition Package type. Range maven, maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, ohpm, generic, helm, and conda.
type	String	Definition Repository type. Range hosted: local repository remote: proxy repository virtual: virtual repository
description	String	Definition Repository description. Range N/A.
release	String	Definition Release repository name. Either Release or Snapshot or both must be selected. Range N/A.
snapshot	String	Definition Snapshot repository name. Either Release or Snapshot or both must be selected. Range N/A.
includes_pattern	String	Definition Include Patterns. Range N/A.
excludes_pattern	String	Definition Exclude Patterns. Range N/A.

Parameter	Type	Description
share_right	String	Definition Shared permissions. Range PROJECT
project_id	String	Definition Project ID. Range N/A.
name	String	Definition Repository ID. Range N/A.
disable	Boolean	Definition Disabled or not. Range N/A.
policy	String	Definition Repository policies. Range release or snapshot
npm	String	Definition npm . Range N/A.
uri	String	Definition URI . Range N/A.
repositories	String	Definition repositories . Range N/A.
user_name	String	Definition Account. Range N/A.

Parameter	Type	Description
password	String	Definition Password. Range N/A.
proxy	String	Definition Proxy. Range N/A.
scope	Integer	Definition Range. Range N/A.
url	String	Definition Address. 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. Range N/A.
display_name	String	Definition Repository name displayed. Range N/A.
snapshot_status	String	Definition Snapshot repository status. Range N/A.
release_status	String	Definition Release repository status. Range N/A.

Parameter	Type	Description
repository_ids	String	Definition Repository ID list. Range N/A.
deployment_policy	String	Definition Deployment policies. Range N/A.
parent_repo_name	String	Definition Parent repository name. Range N/A.
remote_url	String	Definition Proxy repository address. Range N/A.
remote_auth	String	Definition Proxy repository authentication. Range N/A.
pypi_registry_url	String	Definition PyPI index proxy address. Range N/A.
default_deploy_repository	String	Definition Default virtual repository. Range N/A.
package_type	String	Definition Package type. Range N/A.
nexu_repo	Boolean	Definition Nexus repository or not. Range N/A.

Parameter	Type	Description
migrate_flag	Integer	Definition Migration flag. 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.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"  
} ]  
}
```

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 ListChildProxyRepositoriesListSolution {  
  
    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();  
        ListChildProxyRepositoriesListRequest request = new ListChildProxyRepositoriesListRequest();  
        try {  
            ListChildProxyRepositoriesListResponse response = client.listChildProxyRepositoriesList(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 = ListChildProxyRepositoriesListRequest()  
        response = client.list_child_proxy_repositories_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.ListChildProxyRepositoriesListRequest{}  
response, err := client.ListChildProxyRepositoriesList(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 Repository Association

4.11.1 Querying Repositories Associated with Projects

Function

This API is used to query repositories associated with projects.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

GET /cloudartifact/v5/maven/repository/list

Table 4-89 Query Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-90 Response body parameters

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

Table 4-91 ShowProjectListResult

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

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

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

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

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

Example Requests

This API is used to query repositories associated with projects.

```
https://artifact.example-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,  
    "createTime": "2022-01-20 18:23:17",  
    "createdUserId": "e9253deb37654775bb3c411aca89153a",  
    "createdUserName": "devcloud_devcloud_y00226182_01",  
    "modifiedTime": "2023-11-28 11:25:22",  
    "modifiedUserId": "e9253deb37654775bb3c411aca89153a",  
    "modifiedUserName": "devcloud_devcloud_y00226182_01",  
    "format": "maven2",  
    "repoType": "hosted",  
    "includesPattern": "**/*",  
    "url": "https://devrepo.devcloud.xx-xxxxx-x.huawei.com/artgalaxy/xx-xxxxx-  
x_5a775fdb14f4431b6c0015618140bc3_maven_1_11/",  
    "storageSummaryInfo": null,  
    "projectId": null,  
    "shareRight": null,  
    "deploymentPolicy": null,  
    "repositoryName": "maven-test-20220120",  
    "displayName": "maven-test-20220120",  
    "policy": "release",  
    "tabId": "5a775fdb14f4431b6c0015618140bc3_tab_maven2_11",  
    "status": "active",  
    "domainId": "5a775fdb14f4431b6c0015618140bc3",  
    "region": "xx-xxxxx-x",  
    "uri": null,  
    "disable": false,  
    "packageType": "maven"  
  } ]  
}
```

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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:create	Write	-	-	-	-

URI

POST /cloudartifact/v5/maven/project/repository

Request Parameters

Table 4-92 Request body parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (CloudArtifact_api_0015.xml). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
ids	No	Array of strings	Definition tab_id set. tab_id is used to mark a pair of Maven repositories (release and snapshot). Constraints A maximum of 100 tab_ids . Range N/A. Default value None

Response Parameters

Status code: 200

Table 4-93 Response body parameters

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

Example Requests

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

```
https://artifact.example-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

This API is used to 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.getErrMsg());
        }
    }
}
```

Python

This API is used to 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()
        listIdsbody = [
            "5a775fdb14f4431b6c0015618140bc3_tab_maven2_23",
            "5a775fdb14f4431b6c0015618140bc3_tab_maven2_120",
            "5a775fdb14f4431b6c0015618140bc3_tab_maven2_201"
        ]
        request.body = IDEPrivilegeProjectInfo(
            ids=listIdsbody,
            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

This API is used to 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

This API is used to query repository usage.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

GET /cloudartifact/v5/storage

Table 4-94 Query Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-95 Response body parameters

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

Table 4-96 StorageMap

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

Example Requests

This API is used to query repository usage.

```
https://artifact.example-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

This API is used to search for files using checksums.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

GET /cloudartifact/v5/search/checksum

Table 4-97 Query Parameters

Parameter	Mandatory	Type	Description
checksum	Yes	String	Definition File checksums, which can be obtained from the General tab. The checksums can be MD5, SHA-1, SHA-256, or SHA-512 . Constraints N/A. Range Only letters and digits are supported. The character length can be 32, 40, 64, or 128. Default value N/A.
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1-2,147,483,647 Default value 1

Parameter	Mandatory	Type	Description
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1-100 Default value 10
format	No	String	Definition Repository type. Constraints N/A. Range maven2, npm, go, pypi, rpm, composer, debian, conan, nuget, docker2, cocoapods, and ohpm. Default value N/A.
in_project	No	Boolean	Definition Whether the repository to query is in a project. If the value is true and project_id is specified, the queried repository is in a project. If project_id is not specified, the queried repository is outside of the project. If the value is false or not transferred, the repository data of the unassociated project of the current tenant is queried. Constraints N/A. Range true and false. Default value N/A.

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-98 Response body parameters

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

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

Table 4-99 ArtifactSearchResult

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

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

Example Requests

This API is used to search for files using checksums.

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

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143006-1701220804200-277",
  "result": [ {
    "name": "mod.txt",
    "relativePath": "1/1/mod.txt",
    "createdBy": null,
    "createdUserName": "devcloud_devcloud_y00226182_01",
    "created": null,
    "modified": "2023-11-29T09:19:13.711+08:00",
    "repo": "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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

POST /cloudartifact/v5/tree/repos/artifacts

Request Parameters

Table 4-100 Request body parameters

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

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

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

Response Parameters

Status code: 200

Table 4-101 Response body parameters

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

Table 4-102 SearchArtifactsResult

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

Table 4-103 ArtifactSearchResult

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

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

Example Requests

Advanced search.

```
https://artifact.example-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.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 = 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{
        inProjectIdRepoSearchDo:= true
        projectIdRepoSearchDo:= "e2ee90487d6349dd944a5767225f6f55"
        pageSizeRepoSearchDo:= int32(10)
        pageNoRepoSearchDo:= int32(1)
        artifactTypeRepoSearchDo:= "pypi"
        request.Body = &model.IdRepoSearchDo{
            InProject: &inProjectIdRepoSearchDo,
            ProjectId: &projectIdRepoSearchDo,
            PageSize: &pageSizeRepoSearchDo,
            PageNo: &pageNoRepoSearchDo,
            ArtifactType: &artifactTypeRepoSearchDo,
            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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartif act:proxy:list	List	-	-	-	-

URI

GET /cloudartifact/v5/tree/net/proxy

Request Parameters

None

Response Parameters

Status code: 200

Table 4-104 Response body parameters

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

Parameter	Type	Description
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	Array of NetProxyModelV5 objects	Definition Network proxy list. Range N/A.

Table 4-105 NetProxyModelV5

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

Parameter	Type	Description
modified_time	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
created_user_id	String	Definition Creator ID. Range N/A.
created_user_name	String	Definition Creator. Range N/A.
modified_user_id	String	Definition Modifier ID. Range N/A.
modified_user_name	String	Definition Modifier. Range N/A.
id	Long	Definition id . Range N/A.
host_name	String	Definition Proxy name. Range N/A.
host	String	Definition Domain name. Range N/A.

Parameter	Type	Description
port	Integer	Definition Port. Range N/A.
user_name	String	Definition Username. Range N/A.
password	String	Definition Password. Range N/A.
is_default	Integer	Definition Default or not. Range N/A.
remark	String	Definition Remarks. 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-xxxx-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
} ]
}
```

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 ListNetProxySolution {

    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();
        ListNetProxyRequest request = new ListNetProxyRequest();
        try {
            ListNetProxyResponse response = client.listNetProxy(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 = ListNetProxyRequest()  
        response = client.list_net_proxy(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.ListNetProxyRequest{}  
response, err := client.ListNetProxy(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 User Management

4.14.1 Resetting a User Password

Function

This API is used to reset a user password.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:resetPassword	Write	-	-	-	-

URI

POST /cloudartifact/v5/maven/users/me

Request Parameters

None

Response Parameters

Status code: 200

Table 4-106 Response body parameters

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

Example Requests

This API is used to reset a user password.

<https://artifact.example-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_5a775fdb14f4431b6c0015618140bc3_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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:listUsers	List	-	-	-	-

URI

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

Table 4-107 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 4-108 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
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 4-109 Response body parameters

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

Table 4-110 RepoUserPrivilegeResult

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

Table 4-111 RepoUserPrivilegeV5

Parameter	Type	Description
user_id	String	Definition User ID. Range N/A.
domain_id	String	Definition Tenant ID. Range N/A.
user_name	String	Definition Username. Range N/A.
repo_id	String	Definition Repository ID. Range N/A.
privilege	String	Definition Permission information. Range N/A.
role_id	String	Definition Role ID. Range N/A.
role_name	String	Definition Role name. 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",
  "user_name" : "devcloud_y00226182_05_user014",
  "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,
  "user_id" : "a65bdc956e654e68abc1811f9075f6c2",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user022",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "84ea006605e044a0922517cc92f65973",
  "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,
  "user_id" : "ffd3757b88e141f585ac4e5ff9350756",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user034",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "ad3457e096dd47648e89d28d836c0b08",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user054",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "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
}, {
  "privilege" : null,
  "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,
    "role_id": null,
    "role_name": null
  }, {
    "privilege": null,
    "user_id": "a77227fee8044c038346a439c1dde884",
    "domain_id": "09d2ca2f5080d5b60f51c00ae5bad0a0",
    "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
  }, {
    "privilege": null,
    "user_id": "620fbcf2df6c4d2ba3c661e330f846f6",
    "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",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user025",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "user_id" : "1754b30dc62c45668ff77066de1a7135",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "user_name" : "devcloud_y00226182_05_user036",
  "repo_id" : null,
  "role_id" : null,
  "role_name" : null
}, {
  "privilege" : null,
  "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",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "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
}, {
  "privilege" : null,
  "user_id" : "f49255a0b8b143a8958f6144f691aa6f",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "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",
  "repo_id" : null,
  "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,
  "user_id" : "d2eb071f4498473bb9460513cdf8030a",
  "domain_id" : "09d2ca2f5080d5b60f51c00ae5bad0a0",
  "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
}
}]
}
```

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 ListProjectUsersSolution {

    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();
        ListProjectUsersRequest request = new ListProjectUsersRequest();
        request.withProjectId("{project_id}");
        try {
            ListProjectUsersResponse response = client.listProjectUsers(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 = ListProjectUsersRequest()
    request.project_id = "{project_id}"
    response = client.list_project_users(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.ListProjectUsersRequest{}
    request.ProjectId = "{project_id}"
    response, err := client.ListProjectUsers(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](#).

4.14.3 Querying the Tenant IP Address Whitelist

Function

Query the tenant IP address whitelist.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact::getAccountInfo	Read	-	-	-	-

URI

GET /cloudartifact/v5/domain/ipconfig

Table 4-112 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 4-113 Response body parameters

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

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

Table 4-114 DomainIPWhiteListModelPage

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

Table 4-115 DomainIPWhiteListModel

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

Parameter	Type	Description
domain_id	String	Definition Tenant ID. Range N/A.
region	String	Definition Area. Range N/A.
type	String	Definition Type. Range N/A.
value	String	Definition IP address. Range N/A.
created	Long	Definition Creation time. Range N/A.
updated	Long	Definition Update time. 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
}
}
```

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 ListDomainIpConfigSolution {

    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();
        ListDomainIpConfigRequest request = new ListDomainIpConfigRequest();
        try {
            ListDomainIpConfigResponse response = client.listDomainIpConfig(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 = ListDomainIpConfigRequest()
        response = client.list_domain_ip_config(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.ListDomainIpConfigRequest{}
    response, err := client.ListDomainIpConfig(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](#).

4.14.4 Querying the Password of a Tenant's Repository

Function

Query the password of a tenant's repository.

Calling Method

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

Authorization Information

No identity policy-based permission required for calling this API.

URI

GET /cloudartifact/v5/repositories/user/info

Request Parameters

None

Response Parameters

Status code: 200

Table 4-116 Response body parameters

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

Table 4-117 RepositoryUserDO

Parameter	Type	Description
username	String	Definition Account. Range N/A.
password	String	Definition Password. 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-xxxx-x_09d2ca2f5080d5b60f51c00ae5bad0a0_09d2ca2ffd00d3c21ff8c00a4dd1e080",
  "password" : "xxxxxx"
}
```

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 ShowRepoUserInfoSolution {

    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();
        ShowRepoUserInfoRequest request = new ShowRepoUserInfoRequest();
        try {
            ShowRepoUserInfoResponse response = client.showRepoUserInfo(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 = ShowRepoUserInfoRequest()
        response = client.show_repo_user_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.ShowRepoUserInfoRequest{}
    response, err := client.ShowRepoUserInfo(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](#).

4.14.5 Querying the User List of Self-Hosted Repos

Function

Query the user list of self-hosted repos.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:listUsers	List	-	-	-	-

URI

GET /cloudartifact/v5/repositories/users

Table 4-118 Query Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-119 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	DevcloudUserDO V5Page object	Definition User list. Range N/A.

Table 4-120 DevcloudUserDOV5Page

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

Table 4-121 DevcloudUserDOV5

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

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

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 ListMavenUserSolution {

    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();
        ListMavenUserRequest request = new ListMavenUserRequest();
        try {
            ListMavenUserResponse response = client.listMavenUser(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 = ListMavenUserRequest()
        response = client.list_maven_user(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.ListMavenUserRequest{}
response, err := client.ListMavenUser(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 Repository Details

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

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

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

Table 4-122 Path Parameters

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

Table 4-123 Query Parameters

Parameter	Mandatory	Type	Description
group_id	No	String	Definition: User group ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1-2,147,483,647 Default value 1
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1-100 Default value 10
sort	No	String	Definition: Sorting type. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.

Parameter	Mandatory	Type	Description
qname	No	String	Definition: Query content. Constraints String length: 1–50 characters. Range N/A. Default value N/A.
type	No	String	Definition: Repository type. Constraints N/A. Range hosted, local, virtual, remote, and proxy . Default value N/A.
format	No	String	Definition: Package type. For example, maven2, docker, conan, debian , and go . Only one type can be specified. Constraints N/A. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods , and generic . Default value N/A.

Parameter	Mandatory	Type	Description
format_list	No	String	Definition: Package types. You can specify multiple types. Use commas (,) to separate them. Constraints N/A. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value N/A.
is_recycle_bin	No	Boolean	Definition: Whether the repository is in the recycle bin. Constraints N/A. Range true: query the repositories in the recycle bin. false: query repositories in the active state. Default value N/A.
is_need_pagination	No	Boolean	Definition: Pagination required or not. Constraints N/A. Range true: Pagination is required. false: Pagination is not required. Default value N/A.

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-124 Response body parameters

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

Table 4-125 ListAllRepositoriesResult

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

Table 4-126 RepositoryBasicDO

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

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

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

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

Table 4-127 DownloadFolderInfo

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

Example Requests

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

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

Example Responses

Status code: 200

OK

```
{  
  "status": "success",  
  "trace_id": "143006-1701221592150-283",  
  "result": {  
    "total": 183,  
    "repositories": [ {  
      "id": null,  
      "name": "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_conan_5",  
      "description": "1,0",  
      "createdTime": "2022-08-22 17:14:55",  
      "createdUserId": "e9253deb37654775bb3c411aca89153a",  
      "createdUserName": "devcloud_devcloud_y00226182_01",  
      "modifiedTime": "2023-10-16 20:05:59",  
      "modifiedUserId": "e9253deb37654775bb3c411aca89153a",  
      "modifiedUserName": "devcloud_devcloud_y00226182_01",  
      "format": "conan",  
      "repoType": "hosted",  
      "includesPattern": "**/*",  
      "url": "https://devrepo.devcloud.xx-xxxxx-x.huawei.com/artgalaxy/api/conan/xx-xxxxx-  
x_5a775fdb14f4431b6c0015618140bc3_conan_5/",  
      "storageSummaryInfo": null,  
      "projectId": null,  
      "shareRight": null,  
      "deploymentPolicy": null,  
      "repositoryName": "5465653",  
      "displayName": null,  
      "policy": null,  
      "tabId": null,  
    }  
  ]  
}
```

```
    "status" : "active",
    "domainId" : "5a775fdb14f4431b6c0015618140bc3",
    "region" : "xx-xxxx-x",
    "uri" : null,
    "disable" : false,
    "packageType" : "conan"
  }, {
    "id" : null,
    "name" : "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_conan_6",
    "description" : "",
    "createTime" : "2022-08-22 17:21:15",
    "createdUserId" : "e9253deb37654775bb3c411aca89153a",
    "createdUserName" : "devcloud_devcloud_y00226182_01",
    "modifiedTime" : "2023-10-16 20:05:59",
    "modifiedUserId" : null,
    "modifiedUserName" : "devcloud_devcloud_y00226182_01",
    "format" : "conan",
    "repoType" : "hosted",
    "includesPattern" : "**/*",
    "url" : "https://devrepo.devcloud.xx-xxxx-x.huawei.com/artgalaxy/api/conan/xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_conan_6/",
    "storageSummaryInfo" : null,
    "projectId" : null,
    "shareRight" : null,
    "deploymentPolicy" : null,
    "repositoryName" : "12321",
    "displayName" : null,
    "policy" : null,
    "tabId" : null,
    "status" : "active",
    "domainId" : "5a775fdb14f4431b6c0015618140bc3",
    "region" : "xx-xxxx-x",
    "uri" : null,
    "disable" : false,
    "packageType" : "conan"
  } ]
}
```

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.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 = 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

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:read	Read	-	-	-	-

URI

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

Table 4-128 Path Parameters

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

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

Table 4-129 Query Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-130 Response body parameters

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

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

Table 4-131 RepositoryBasicDO

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

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

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

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

Table 4-132 DownloadFolderInfo

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

Example Requests

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

```
https://artifact.example-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

This API is used to query the storage capacity trend.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:read	Read	-	-	-	-

URI

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

Table 4-133 Path Parameters

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

Table 4-134 Query Parameters

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

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-135 Response body parameters

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

Table 4-136 StorageStatisticDO

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

Example Requests

This API is used to query the storage capacity trend.

```
https://artifact.example-1.myhuaweicloud.com/  
cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/storageinfo/  
statistic?start_time=2023-11-22&end_time=2023-11-28&repo=xx-xxxxx-  
x_5a775fdcb14f4431b6c0015618140bc3_maven_1_108
```

Example Responses

Status code: 200

OK

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

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

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](#).

Audit Logs

4.16.1 Querying Audit Logs about a Repository or File

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartif act:repository:read	Read	-	-	-	-

URI

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

Table 4-137 Path Parameters

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

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

Table 4-138 Query Parameters

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

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-139 Response body parameters

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

Table 4-140 AuditResult

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

Table 4-141 AuditDO

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

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

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

Example Requests

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

```
https://artifact.example-1.myhuaweicloud.com/
cloudartifact/v5/00000000000000000000000000000000/00000000000000000000000000000000/file/xx-
xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/audit?page_num=1&page_size=5
```

Example Responses

Status code: 200

OK

```
{
  "status": "success",
  "trace_id": "143002-1701222589443-431",
  "result": {
    "auditInfoList": [ {
      "id": "2271182",
      "module": "file",
      "operation": "upload",
      "time": "2023/10/27 15:46:19",
      "info": "xx-xxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108",
      "data": "1/1/1/1-1.jar",
      "reason": null,
      "userAgent": "Apache-HttpClient/4.5.13 (Java/1.8.0_232)",
      "operator": "devcloud_devcloud_y00226182_01",
      "ipSource": "10.172.180.79"
    } ],
    "total": 1
  }
}
```

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

This API is used to favorite and unfavorite packages.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

POST /cloudartifact/v5/attention

Request Parameters

Table 4-142 Request body parameters

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

Response Parameters

Status code: 200**Table 4-143** Response body parameters

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

Example Requests

This API is used to favorite and unfavorite packages.

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

```
{  
  "format" : "npm",
```

```
"attention" : "0",  
"ids" : [ "xx-xxxxx-x_5a775fdb14f4431b6c0015618140bc3_maven_1_108/1/1/1-1-1.jar" ]  
}
```

Example Responses

Status code: 200

OK

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

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to favorite and 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-xxxxx-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.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

This API is used to favorite and 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

This API is used to favorite and 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_5a775fdcb14f4431b6c0015618140bc3_maven_1_108/1/1/1/1-1-1.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

This API is used to query my favorites.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

GET /cloudartifact/v5/attention/artifacts

Table 4-144 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	Definition Project ID, which can be obtained by calling an API or from the console. For details about how to obtain the project ID, see <i>Obtaining a Project ID</i> (<i>CloudArtifact_api_0015.xml</i>). Constraints The value contains 32 characters. Only letters and digits are supported. Range N/A. Default value None
page_no	No	Integer	Definition Number of pages in a pagination query. Constraints N/A. Range 1–2,147,483,647 Default value 1
page_size	No	Integer	Definition Number of records on each page during the pagination query. Constraints N/A. Range 1–100 Default value 10

Request Parameters

None

Response Parameters

Status code: 200

Table 4-145 Response body parameters

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

Table 4-146 ListAttentionPageResult

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

Table 4-147 ListAttentionResult

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

Parameter	Type	Description
modifiedUserName	String	Definition Modifier name. Range N/A.
modifiedUserId	String	Definition Modifier ID. Range N/A.
userId	String	Definition User ID. Range N/A.
modifiedTime	String	Definition Modification time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
region	String	Definition Area. Range N/A.

Example Requests

This API is used to query my favorites.

```
https://artifact.example-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

This API is used to query the repository folder directory.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:read	Read	-	-	-	-

URI

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

Table 4-148 Path Parameters

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

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

Table 4-149 Query Parameters

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

Parameter	Mandatory	Type	Description
instance_id	No	String	Definition Instance ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.
is_recycle_bin	No	Boolean	Definition Whether to query files in the recycle bin. Constraints N/A. Range true : query the recycle bin list of a repository. false : query the directory list of a repository. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-150 Response body parameters

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

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

Table 4-151 ShowFileTreeResult

Parameter	Type	Description
uploadAccess	String	Definition Upload permission. Range true : with permission. false : without permission.
total	String	Definition Total number. Range N/A.
uri	String	Definition Parent path. Range N/A.
created	String	Definition Creation time. Range N/A.
children	Array of children objects	Definition Information about a subfile or subfolder. Range N/A.

Table 4-152 children

Parameter	Type	Description
name	String	Definition Name of a file or folder. Range N/A.
uri	String	Definition Access address. Range N/A.
path	String	Definition Path. Range N/A.
modified	String	Definition Update time, in <i>yyyy-MM-dd HH:mm:ss</i> format. Range N/A.
folder	Boolean	Definition Folder or not. Range true: folder. false: file.
modified_by	String	Definition Modifier. Range N/A.
has_child	Boolean	Definition Whether a lower layer exists. Range true: yes false: no

Example Requests

This API is used to query the repository folder directory.

```
https://artifact.example-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

This API is used to query repository file details.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:read	Read	-	-	-	-

URI

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

Table 4-153 Path Parameters

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

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

Table 4-154 Query Parameters

Parameter	Mandatory	Type	Description
path	Yes	String	Definition Path of the file to be queried. Constraints Mandatory. The maximum length is 1,280 characters. Range N/A. Default value N/A.
format	Yes	String	Definition Package type. Constraints Mandatory. Range maven2, docker, conan, debian, go, nuget, rpm, pypi, npm, cocoapods, and generic. Default value N/A.
instance_id	No	String	Definition: Instance ID. This parameter is no longer used. Constraints N/A. Range N/A. Default value N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-155 Response body parameters

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

Table 4-156 result

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

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

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

Table 4-157 checksums

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

Parameter	Type	Description
sha1	String	Definition SHA-1 checksum. Range N/A.
md5	String	Definition MD5 checksum. Range N/A.

Table 4-158 downloadInfo

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

Table 4-159 gavDisplay

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

Example Requests

This API is used to query repository file details.

```
https://{URL}/  
cloudartifact/v5/00000000000000000000000000000000/11111111111111111111111111111111/  
xxxx-1_xxxxxxxxxxxxxxxxxxxxxxx_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

This API is used to delete non-Maven files.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:deleteFromRepository	Write	-	-	-	-

URI

DELETE /cloudartifact/v5/file

Request Parameters

Table 4-160 Request body parameters

Parameter	Mandatory	Type	Description
path	Yes	String	File path.

Response Parameters

Status code: 200

Table 4-161 Response body parameters

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

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

Example Requests

This API is used to delete non-Maven files.

```
https://artifact.example-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

This API is used to 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

This API is used to 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

This API is used to 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_5a775fdb14f4431b6c0015618140bc3_go_19/down/down/
        GOR7zo553IL44I063cdVKui7n58078",
    }
    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 User Permissions in a Project

Function

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

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:repository:list	List	-	-	-	-

URI

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

Table 4-162 Path Parameters

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

Request Parameters

None

Response Parameters

Status code: 200

Table 4-163 Response body parameters

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

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

Table 4-164 result

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

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

Example Requests

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

Example Responses

Status code: 200

OK

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


Status Codes

Status Code	Description
200	OK

Error Codes

See [Error Codes](#).

4.20 Artifact Security

4.20.1 Querying the Artifact Security Scanning Tasks

Function

Query the artifact security scanning tasks.

Calling Method

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

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:securityTask:list	List	-	-	-	-

URI

GET /cloudartifact/v5/sec-guard/task/list

Table 4-165 Query Parameters

Parameter	Mandatory	Type	Description
date	No	Integer	Definition: Query tasks within XX days. Constraints: N/A Value range: N/A Default value: 1.
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. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	SecGuardTaskCount object	Definition Scanning task list. Range N/A.

Table 4-167 SecGuardTaskCount

Parameter	Type	Description
task	Integer	Definition Number of scans. Range N/A.
artifact	Integer	Definition Number of scanned artifacts. Range N/A.
opensource	OpensourceCount object	Definition Vulnerabilities. Range N/A.
virus	Integer	Definition Virus files. Range N/A.

Parameter	Type	Description
malware	MalwareCount object	Definition Malicious code files. Range N/A.
total	Integer	Definition Total number of scans. Range N/A.
list	Array of SecGuardTaskDetail objects	Definition Scanning task list. Range N/A.

Table 4-168 SecGuardTaskDetail

Parameter	Type	Description
task_id	String	Definition Task ID. Range N/A.
task_name	String	Definition Task name. Range N/A.
scan_path	String	Definition File scan path. Range N/A.
file_name	String	Definition File name. Range N/A.
display_name	String	Definition Display name. Range N/A.

Parameter	Type	Description
path	String	Definition Path. Range N/A.
created_time	String	Definition Creation time. Range N/A.
opensource	OpensourceCount object	Definition Vulnerabilities. Range N/A.
virus	Integer	Definition Virus files. Range N/A.
malware	MalwareCount object	Definition Malicious code files. Range N/A.
status	String	Definition Status. Range N/A.

Table 4-169 OpensourceCount

Parameter	Type	Description
critical	Integer	Definition Critical vulnerabilities. Range N/A.
high	Integer	Definition High-risk vulnerabilities. Range N/A.

Parameter	Type	Description
medium	Integer	Definition Medium-risk vulnerabilities. Range N/A.
low	Integer	Definition Low-risk vulnerabilities. Range N/A.

Table 4-170 MalwareCount

Parameter	Type	Description
high	Integer	Definition High-risk malicious code files. Range N/A.
medium	Integer	Definition Medium-risk malicious code files. Range N/A.
low	Integer	Definition Low-risk malicious code files. Range N/A.

Example Requests

Query the artifact security scanning tasks.

```
https://{URL}/cloudartifact/v5/sec-guard/task/list
```

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "trace_id" : "1dc7e41e540d4871be0f0e64fe280f95",
  "result" : {
    "task" : 0,
```

```
"artifact" : 0,
"opensource" : {
  "critical" : 0,
  "high" : 0,
  "medium" : 0,
  "low" : 0
},
"virus" : 0,
"malware" : {
  "high" : 0,
  "medium" : 0,
  "low" : 0
},
"total" : 0,
"list" : [ ]
}
```

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 ListSecGuardListSolution {

    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();
        ListSecGuardListRequest request = new ListSecGuardListRequest();
        try {
            ListSecGuardListResponse response = client.listSecGuardList(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 = ListSecGuardListRequest()
        response = client.list_sec_guard_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.ListSecGuardListRequest{  
response, err := client.ListSecGuardList(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](#).

4.21 Central Repository

4.21.1 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](#).

Authorization Information

No identity policy-based permission required for calling this API.

URI

GET /cloudartifact/v5/opensource/enabled

Request Parameters

None

Response Parameters

Status code: 200

Table 4-171 Response body parameters

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

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 ShowOpenSourceEnabledSolution {

    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();
        ShowOpenSourceEnabledRequest request = new ShowOpenSourceEnabledRequest();
        try {
            ShowOpenSourceEnabledResponse response = client.showOpenSourceEnabled(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 = ShowOpenSourceEnabledRequest()
    response = client.show_open_source_enabled(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.ShowOpenSourceEnabledRequest{}
    response, err := client.ShowOpenSourceEnabled(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](#).

4.22 Querying Files in the Release Repos

4.22.1 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](#).

Authorization Information

Each account root user has all the permissions required to call all APIs, but IAM users must be assigned the following required identity policy-based permissions. For details about the required permissions, see [Permissions Policies and Supported Actions](#).

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
codeartsartifact:releaseRepo:read	Read	-	-	-	-

URI

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

Table 4-172 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 4-173 Query Parameters

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

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

Request Parameters

Table 4-174 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 4-175 Response body parameters

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

Table 4-176 result

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

Table 4-177 ReleaseFileVersionDo

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

Status code: 403

Table 4-178 Response body parameters

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


```
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();
            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 = 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](#).

4.23 Permission Management

4.23.1 Querying User Tickets

Function

Query user tickets.

Calling Method

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

Authorization Information

No identity policy-based permission required for calling this API.

URI

GET /cloudartifact/v5/ticket

Request Parameters

None

Response Parameters

Status code: 200

Table 4-180 Response body parameters

Parameter	Type	Description
status	String	Definition Request status. Range success: The request is successful. error: The request fails.
trace_id	String	Definition Request ID, which uniquely identifies the current request. Range A string of digits and hyphens (-).
result	String	Definition Ticket information. 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" :
    "dGlja2V0XzE3NTlyMjA3MzY3OTc6V2Z1UVNFZVJiaDJZeFjRGZJSE12QnlicXh5VGpSTk46MDlkMmNhMmZmZDAwZDNjMjFmZjhjMDBhNGRkMWUwODA="
}
```

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 ShowUserTicketSolution {

    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();
        ShowUserTicketRequest request = new ShowUserTicketRequest();
        try {
            ShowUserTicketResponse response = client.showUserTicket(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 = ShowUserTicketRequest()
response = client.show_user_ticket(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.ShowUserTicketRequest{}
    response, err := client.ShowUserTicket(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](#).

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

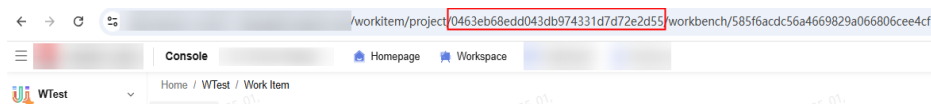
Obtaining a Project ID from a URL

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": [
```

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

Obtaining a Project ID from the Console

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

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

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



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

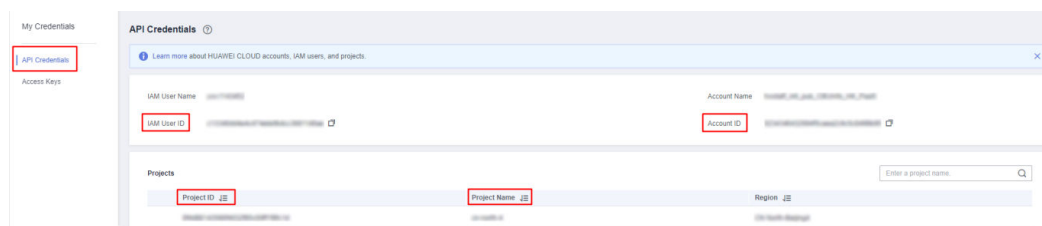
-----End

5.4 Obtaining an Account ID

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

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

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

Figure 5-1 Obtaining an account ID

-----End

5.5 Actions Supported by Identity Policy-based Authorization

IAM provides system-defined identity policies to define typical cloud service permissions. You can also create custom identity policies using the actions supported by cloud services for more refined access control.

In addition to IAM, the **Organizations** service also provides **Service Control Policies (SCPs)** to set access control policies.

SCPs do not actually grant any permissions to an entity. They only set the permissions boundary for the entity. When SCPs are attached to an organizational unit (OU) or a member account, the SCPs do not directly grant permissions to that OU or member account. Instead, the SCPs only determine what permissions are available for that member account or those member accounts under that OU. The granted permissions can be applied only if they are allowed by the SCPs.

To learn more about how IAM is different from Organizations for access control, see [How IAM Is Different from Organizations for Access Control?](#)

This section describes the elements used by IAM custom identity policies and Organizations SCPs. The elements include actions, resources, and conditions.

- For details about how to use these elements to edit an IAM custom identity policy, see [Creating a Custom Identity Policy](#).
- For details about how to use these elements to edit a custom SCP, see [Creating an SCP](#).

Actions

Actions are specific operations that are allowed or denied in an identity policy.

- The Access Level column describes how the action is classified (List, Read, or Write). This classification helps you understand the level of access that an action grants when you use it in an identity policy.
- The Resource Type column indicates whether the action supports resource-level permissions.
 - You can use a wildcard (*) to indicate all resource types. If this column is empty (-), the action does not support resource-level permissions and you must specify all resources ("*") in your identity policy statements.
 - If this column includes a resource type, you must specify the URN in the Resource element of your identity policy statements.

- Required resources are marked with asterisks (*) in the table. If you specify a resource in a statement using this action, then it must be of this type.

For details about the resource types defined by deployman, see [Resources](#).

- The Condition Key column contains keys that you can specify in the Condition element of an identity policy statement.
 - If the Resource Type column has values for an action, the condition key takes effect only for the listed resource types.
 - If the Resource Type column is empty (-) for an action, the condition key takes effect for all resources that action supports.
 - If the Condition Key column is empty (-) for an action, the action does not support any condition keys.

For details about the condition keys defined by deployman, see [Conditions](#).

- The Alias column lists the policy actions that are configured in identity policies. With these actions, you can use APIs for policy-based authorization. For details, see [Policies and Identity Policies](#).

The following table lists the actions that you can define in identity policy statements for deployman.

Table 5-2 Actions supported by deployman

Action	Description	Access Level	Resource Type (*: required)	Condition Key	Alias
codeartsartifact:repository:download	Grants permission to return artifact and metadata from repository.	Read	-	-	-
codeartsartifact:repository:upload	Grants permission to upload artifact and metadata to repository.	Write	-	-	-
codeartsartifact:repository:deleteFromRepository	Grants permission to delete artifact.	Write	-	-	-

Action	Description	Access Level	Resource Type (*: required)	Condition Key	Alias
codeartsartifact:releaseRepo:download	Grants permission to download package and metadata from releaseRepo.	Read	-	-	-
codeartsartifact:releaseRepo:read	Grants permission to return package info and metadata from releaseRepo.	Read	-	-	-
codeartsartifact:releaseRepo:upload	Grants permission to upload package and metadata to releaseRepo.	Write	-	-	-
codeartsartifact:releaseRepo:createFolder	Grants permission to create folder in releaseRepo.	Write	-	-	-
codeartsartifact:releaseRepo:editTestPackage	Grants permission to edit test package in releaseRepo.	Write	-	-	-
codeartsartifact:releaseRepo:deleteOrRestorePackage	Grants permission to delete or restore package in releaseRepo.	Write	-	-	-
codeartsartifact:releaseRepo:restoreTrash	Grants permission to restore trash in releaseRepo.	Write	-	-	-

Action	Description	Access Level	Resource Type (*: required)	Condition Key	Alias
codeartsartifact:releaseRepo:clearTrash	Grants permission to clear trash in releaseRepo.	Write	-	-	-
codeartsartifact:releaseRepo:changePackageStatus	Grants permission to change package status in releaseRepo.	Write	-	-	-
codeartsartifact:releaseRepo:getProjectInfo	Grants permission to get project information in releaseRepo.	Read	-	-	-
codeartsartifact:releaseRepo:updateProjectConfiguration	Grants permission to update project configuration in releaseRepo.	Write	-	-	-
codeartsartifact:proxy:list	Grants permission to list net proxy.	List	-	-	-
codeartsartifact:proxy:create	Grants permission to create net proxy.	Write	-	-	-
codeartsartifact:proxy:update	Grants permission to update net proxy.	Write	-	-	-
codeartsartifact:proxy:delete	Grants permission to delete net proxy.	Write	-	-	-

Action	Description	Access Level	Resource Type (*: required)	Condition Key	Alias
codeartsartifact:repository:create	Grants permission to create repository.	Write	-	-	-
codeartsartifact:repository:edit	Grants permission to edit repository.	Write	-	-	-
codeartsartifact:repository:delete	Grants permission to delete repository.	Write	-	-	-
codeartsartifact:repository:list	Grants permission to list repositories information.	List	-	-	-
codeartsartifact:repository:read	Grants permission to return repository information.	Read	-	-	-
codeartsartifact:repository:restore	Grants permission to restore repository.	Write	-	-	-
codeartsartifact:repository:completelyDelete	Grants permission to completely delete repository.	Write	-	-	-
codeartsartifact:repository:restoreAll	Grants permission to restore all trash.	Write	-	-	-
codeartsartifact:repository:clearAll	Grants permission to clear all trash.	Write	-	-	-

Action	Description	Access Level	Resource Type (*: required)	Condition Key	Alias
codeartsartifact:repository:listUsers	Grants permission to list users.	List	-	-	-
codeartsartifact:repository:readUser	Grants permission to return user information.	Read	-	-	-
codeartsartifact:repository:updateUser	Grants permission to update user in repository.	Write	-	-	-
codeartsartifact:repository:deleteUser	Grants permission to delete user in repository.	Write	-	-	-
codeartsartifact:repository:getSetting	Grants permission to get setting in repository.	Read	-	-	-
codeartsartifact:repository:resetPassword	Grants permission to reset password in repository.	Write	-	-	-
codeartsartifact:repository:getVersionInfo	Grants permission to get version information in repository.	Read	-	-	-
codeartsartifact:securityTask:create	Grants permission to create secguard task.	Write	-	-	-
codeartsartifact:securityTask:delete	Grants permission to delete secguard task.	Write	-	-	-

Action	Description	Access Level	Resource Type (*: required)	Condition Key	Alias
codeartsartifact:securityTask:list	Grants permission to list secguard task.	List	-	-	-
codeartsartifact:securityTask:read	Grants permission to return secguard task information.	Read	-	-	-
codeartsartifact:securityTask:update	Grants permission to update secguard task.	Write	-	-	-
codeartsartifact::getAccountInfo	Grants permission to get account info.	Read	-	-	-
codeartsartifact::updateAccountConfiguration	Grants permission to update account configuration.	Write	-	-	-

Each API of deployman usually supports one or more actions. [Table 5-3](#) lists the supported actions and dependencies.

Table 5-3 Actions and dependencies supported by deployman APIs

API	Action	Dependencies
GET /devreposerver/v2/release/{project_id}/files	codeartsartifact:releaseRepo:read	-
GET /v2/{project_id}/release/files	codeartsartifact:releaseRepo:read	-
PUT /v5/trashes	codeartsartifact:repository:restore	-

API	Action	Dependencies
DELETE /v5/trashes	codeartsartifact:repository:completelyDelete	-
POST /v5/maven/repositories	codeartsartifact:repository:create	-
GET /v5/maven/repository/list	codeartsartifact:repository:list	-
PUT /v5/repositories/tab/{tab_id}	codeartsartifact:repository:edit	-
GET /v5/repositories/{repo_id}	codeartsartifact:repository:read	-
POST /v5/repositories	codeartsartifact:repository:create	-
DELETE /v5/repositories	codeartsartifact:repository:delete	-
GET /v5/storage	codeartsartifact:repository:list	-
GET /v5/maven/info	codeartsartifact:repository:list	-
POST /v5/maven/project/repository	codeartsartifact:repository:create	-
GET /v5/search/checksum	codeartsartifact:repository:list	-
POST /v5/tree/repos/artifacts	codeartsartifact:repository:list	-
POST /v5/maven/users/me	codeartsartifact:repository:resetPassword	-
GET /v5/{tenant_id}/{project_id}/{repo_name}/file-tree	codeartsartifact:repository:read	-
GET /v5/{tenant_id}/{project_id}/{repo_name}/file-detail	codeartsartifact:repository:read	-

API	Action	Dependencies
GET /v5/{tenant_id}/{project_id}/repositories	codeartsartifact:repository:list	-
GET /v5/{tenant_id}/{project_id}/{module}/{repo}/audit	codeartsartifact:repository:read	-
GET /v5/{tenant_id}/{project_id}/{repo_id}/repositories	codeartsartifact:repository:read	-
GET /v5/{tenant_id}/{project_id}/storageinfo/statistic	codeartsartifact:repository:read	-
POST /v5/attention	codeartsartifact:repository:list	-
GET /v5/attention/artifacts	codeartsartifact:repository:list	-
POST /v5/artifact/	codeartsartifact:repository:create	-
PUT /v5/artifact/	codeartsartifact:repository:edit	-
DELETE /v5/file	codeartsartifact:repository:deleteFromRepository	-
GET /v3/user/{project_id}/privileges	codeartsartifact:repository:list	-
GET /v5/maven/list	codeartsartifact:repository:list	-
GET /v5/projects/{project_id}/users	codeartsartifact:repository:listUsers	-
GET /v5/repositories/proxy	codeartsartifact:repository:read	-
GET /v5/tree/net/proxy	codeartsartifact:proxy:list	-

API	Action	Dependencies
GET /v5/domain/ipconfig	codeartsartifact::getAccountInfo	-
GET /v5/sec-guard/task/list	codeartsartifact:securityTask:list	-
GET /v5/repositories/users	codeartsartifact:repository:listUsers	-
GET /v5/data/package	codeartsartifact:releaseRepo:read	-
GET /v5/data/package/info	codeartsartifact:releaseRepo:read	-
GET /v5/release/{project_id}/auto-deletion/settings	codeartsartifact:releaseRepo:getProjectInfo	-
DELETE /v5/files/compeletion	codeartsartifact:releaseRepo:deleteOrRestorePackage	-
GET /v5/files/archives	codeartsartifact:releaseRepo:read	-
GET /v5/project-role/permissions	codeartsartifact:releaseRepo:getProjectInfo	-
GET /v5/capacity-notice/settings	codeartsartifact::getAccountInfo	-
POST /v5/files/list	codeartsartifact:releaseRepo:read	-
GET /v5/{project_id}/files/version/count	codeartsartifact:releaseRepo:read	-
GET /v5/{project_id}/files/version	codeartsartifact:releaseRepo:read	-
GET /v5/files/{id}/info	codeartsartifact:releaseRepo:read	-
GET /v5/files/info	codeartsartifact:releaseRepo:read	-
GET /v5/storage	codeartsartifact::getAccountInfo	-
GET /v5/{project_id}/storage	codeartsartifact:releaseRepo:getProjectInfo	-

Resources

deployman does not support resource-level authorization. To allow access to deployman, use a wildcard (*) in the Resource element of the identity policy, indicating that the identity policy will be applied to all resources.

Conditions

deployman does not support service-specific condition keys in identity policies. It can only use global condition keys applicable to all services. For details, see [Global Condition Keys](#).

6 Change History

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

Change History	Date
This issue is the first official release.	September 30, 2022