CodeArts Pipeline

API Reference

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1 Before You Start

Welcome to CodeArts Pipeline. CodeArts Pipeline provides visual, customizable pipelines to shorten the delivery period and improve efficiency.

This document describes how to use APIs to perform operations on pipelines, such as starting and stopping pipelines. For details about all supported operations, see **API Overview**.

Before calling CodeArts Pipeline APIs, ensure that you are familiar with CodeArts Pipeline concepts. For details, see **Service Overview**.

CodeArts Pipeline supports Representational State Transfer (REST) APIs that can be called using HTTPS. For details, see **Calling APIs**.

Endpoints

An endpoint is the request address for calling an API. Endpoints vary depending on services and regions. For the endpoints of all services, see **Regions and Endpoints**.

Table 1-1 lists the CodeArts Pipeline endpoints.

Table 1-1 CodeArts Pipeline endpoints

Region Name	Region	Endpoint	Protocol
LA-Mexico City2	la-north-2	devcloud.la-north-2.myhuaweicloud.com	HTTPS
LA-Sao Paulo1	sa-brazil-1	devcloud.sa-brazil-1.myhuaweicloud.com	HTTPS
AP-Singapore	ap-southeast-3	devcloud.ap-southeast-3.myhuaweicloud.com	HTTPS
TR-Istanbul	tr-west-1	pipeline-external.tr-west-1.myhuaweicloud.com	HTTPS
LA-Santiago	la-south-2	pipeline-external.la-south-2.myhuaweicloud.com	HTTPS

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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.

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For details about how to obtain enterprise project IDs and features, see **Enterprise Management User Guide**.

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2 API Overview

Table 2-1 API overview

Category	API
Template management	APIs for querying the template list, creating a pipeline template, and querying template details.
Pipeline management	APIs for starting a pipeline, obtaining pipeline status in batches or separately, and obtaining execution details.
Group management	APIs for creating, updating, and deleting pipeline groups.
Rule management	APIs for obtaining details about a single rule, obtaining the rule list by page, and updating rules.
Tenant-level policy management	APIs for creating a policy, modifying a policy, and obtaining policy details.
Project-level policy management	APIs for obtaining the project-level policy list and querying the project-level policy list.
Extension management	APIs for creating an extension version, extension draft version, and a publisher.
Template management (old version)	APIs for querying the template list and querying template details.
Pipeline management (old version)	APIs for quickly creating pipelines and tasks based on templates, checking pipeline creation status, and starting pipelines.

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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.

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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
```

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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

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- **********: 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 Identity and Access Management (IAM) API for obtaining a user token.
- Ensure that the token is valid when you use it. Using a token that will soon expire may cause API calling failures.

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

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

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

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```
        },
        "scope": {
            "project": {
                "name": "xxxxxxxx"
            }
        }
    }
}
```

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 **ABCDEFG....**, add **X-Auth-Token: ABCDEFG....** to a request as follows:

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

AK/SK-based Authentication

NOTE

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

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

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

In AK/SK-based authentication, you can sign requests either using an AK/SK pair based on the signature algorithm or using the signing SDK. For details about how to sign requests and use the signing SDK, see **AK/SK Signing and Authentication Guide**.

NOTICE

Unlike the SDKs provided by services, the signing SDK is only used for signing requests.

3.3 Response

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

Status Code

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**.

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For example, if status code 201 is returned after calling the API for **creating an IAM user as an administrator**, the request has succeeded.

Response Header

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

For example, the response headers shown in **Figure 3-2** are returned after calling the API for **creating an IAM user as an administrator**.

Figure 3-2 Response headers

```
"X-Frame-Options": "SAMEORIGIN",
"X-IAM-ETag-id": "2562365939-d8f6f12921974cb097338ac11fceac8a",
"Transfer-Encoding": "chunked",
"Strict-Transport-Security": "max-age=31536000; includeSubdomains;",
"Server": "api-gateway",
"X-Request-Id": "af2953f2bcc67a42325a69a19e6c32a2",
"X-Content-Type-Options": "nosniff",
"Connection": "keep-alive",
"X-Download-Options": "noopen",
"X-XSS-Protection": "1; mode=block;",
"X-IAM-Trace-Id": "token_[redacted]_null_af2953f2bcc67a42325a69a19e6c32a2",
"Date": "Tue, 21 May 2024 09:03:40 GMT",
"Content-Type": "application/json; charset=utf8"
```

Response Body

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

For example, the response headers shown below are returned after calling the API for **creating an IAM user as an administrator**. The following is part of the response body for the API used to obtain a user token:

```
{
    "user": {
        "id": "c131886aec...",
        "name": "IAMUser",
        "description": "IAM User Description",
        "areacode": "",
        "phone": "",
        "email": "***@***.com",
        "status": null,
        "enabled": true,
        "pwd_status": false,
        "access_mode": "default",
        "is_domain_owner": false,
        "xuser_id": "",
        "xuser_type": "",
        "password_expires_at": null,
        "create_time": "2024-05-21T09:03:41.000000",
        "domain_id": "d78cbac1.....",
        "xdomain_id": "30086000.....",
        "xdomain_type": "",
        "default_project_id": null
    }
}
```

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

```
{
    "error_msg": "Request body is invalid.",
    "error_code": "IAM.0011"
}
```

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

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4 API

4.1 Template Management

4.1.1 Querying Template List

Function

This API is used to query the pipeline template list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{tenant_id}/api/pipeline-templates/list

Table 4-1 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition:** Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Request Parameters

Table 4-2 Request body parameters

Parameter	Mandatory	Type	Description
language	No	String	**Definition** Template language. **Constraints** N/A **Range** • **Java**. • python. • **Node.js**. • **Go**. • **.NET**. • **cpp**. • **PHP**. • arkts. • **Other**. • **None**. **Default Value** N/A
is_system	No	Boolean	**Definition:** Whether the template is a system template. **Constraints**: N/A **Value range**: • **true**: The template is a system template. • **false**: The template is not a system template. **Default value**: N/A

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Parameter	Mandatory	Type	Description
name	No	String	**Parameter description**: Template name. **Constraints**: None. **Value range**: None. **Default value**: None.
offset	No	Long	**Parameter description**: Offset, which is the position where the query starts. **Constraints**: None. **Value range**: The value is no less than **0**. **Default value**: The default value is **0**.
limit	No	Long	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: **10**.
sort_key	No	String	**Definition:** (Optional) Field for sorting. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
sort_dir	No	String	**Definition:** (Optional) Sorting type. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-3 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition** Start offset. **Range** The **offset** value must be no less than 0.
limit	Integer	**Parameter description**: Number of queried records. **Value range**: None.
total	Integer	**Parameter description**: Total number of records. **Value range**: None.
result	Array of **PipelineTemplateSimpleVO** objects	**Definition**: Pipeline template list, including details about pipeline templates. **Range**: N/A

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Table 4-4 PipelineTemplateSimpleVO

Parameter	Type	Description
watched	Boolean	**Definition**: Whether the template is visible to users. **Value range**: • **true**: The template is visible to users. • **false**: The template is invisible to users.
id	String	**Definition:** Template ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Parameter description**: Template name. **Value range**: None.
user_id	String	**Definition**: ID of the user who creates the pipeline template. **Value range**: The value consists of 32 characters, including digits and letters.
user_name	String	**Definition**: Username of the pipeline template creator. **Value range**: N/A
icon	String	**Parameter description**: Template icon. **Value range**: None.
manifest_version	String	**Parameter description**: Version. **Value range**: The default value is **3.0**.

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Parameter	Type	Description
language	String	**Definition** Template language. **Range** • **Java**. • python. • **Node.js**. • **Go**. • **.NET**. • **cpp**. • **PHP**. • arkts. • **Other**. • **None**.
description	String	**Parameter description**: Template description. **Value range**: None.
is_system	Integer	**Definition**: Whether the template is a system template. **Value range**: • **0**: The template is not a system template. • **1**: The template is a system template.
region	String	**Parameter description**: Template region. **Value range**: None.
domain_id	String	**Definition**: ID of the tenant to which the template belongs, that is, the domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
domain_name	String	**Definition**: Tenant name of the pipeline template creator. **Value range**: N/A
creator_id	String	**Definition:** Template creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Parameter description**: Template creator name. **Value range**: None.
updater_id	String	**Definition:** Template updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
create_time	String	**Parameter description**: Creation time. **Value range**: None.
modify_time	String	**Definition**: Update time. **Value range**: N/A
is_collect	Boolean	**Definition:** Whether to add the object to favorites. **Value range**: • **true**: Add the object to favorites. • **false**: Do not add the object to favorites.

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Parameter	Type	Description
is_show_source	Boolean	**Definition:** Whether to display the pipeline source. **Value range**: • **true**: The pipeline source is displayed. • **false**: The pipeline source is not displayed.
stages	Array of **stages** objects	**Parameter description**: Stages of template orchestration.

Table 4-5 stages

Parameter	Type	Description
name	String	**Parameter description**: Stage name. **Value range**: Enter only letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), parentheses (), and spaces. The name cannot start or end with a space, and the length is 1128 characters.
sequence	Integer	**Parameter description**: Stage sequence. **Value range**: No less than **0**.

Status code: 400

Table 4-6 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

This API is used to query the pipeline template list.

Set the start offset to 0 and the number to 3.

```
POST https://{endpoint}/v5/a5f63758220947b7821e70ae2734c01d/api/pipeline-templates/list

{
  "is_system" : "",
  "offset" : 0,
  "limit" : 3,
  "name" : ""
}
```

Example Responses

Status code: 200

```
{
  "offset" : 10,
  "limit" : 2,
  "total" : 423,
  "result" : [ {
    "watched" : true,
    "icon" : "pure-tomato",
    "id" : "ed3a99ae76b346818d6b2d09422d166d",
    "name" : "template-20221201154239",
    "user_id" : "847a5317086c41798469d0868535943a",
    "user_name" : "Beta environment account",
    "domain_id" : "ce8df55870164338a72d7e828a966a2a",
    "domain_name" : "devcloud_devcloud_h00485561_01",
    "description" : "",
    "create_time" : "2022-12-01 15:43:00",
    "modify_time" : "2024-04-15 16:51:31",
    "is_system" : 0
  }, {
    "watched" : true,
    "icon" : "pure-mint",
    "id" : "8f5ed64c74464866b771d9c982648efb",
    "name" : "testttttt",
    "user_id" : "fbee1146498c465d851c1b8dd2a253c6",
    "user_name" : null,
    "domain_id" : "ce8df55870164338a72d7e828a966a2a",
    "domain_name" : "devcloud_devcloud_h00485561_01",
    "description" : "",
    "create_time" : "2022-12-01 09:04:56",
    "modify_time" : "2022-12-01 09:04:56",
    "is_system" : 0
  } ]
}
```

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SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to query the pipeline template list.

Set the start offset to 0 and the number to 3.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListPipelineTemplatesSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPipelineTemplatesRequest request = new ListPipelineTemplatesRequest();
        request.withTenantId("{tenant_id}");
        ListPipelineTemplatesQuery body = new ListPipelineTemplatesQuery();
        body.withLimit(3L);
        body.withOffset(0L);
        body.withName("");
        body.withIsSystem();
        request.withBody(body);
        try {
            ListPipelineTemplatesResponse response = client.listPipelineTemplates(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());
        }
    }
}
```

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Python

This API is used to query the pipeline template list.

Set the start offset to 0 and the number to 3.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPipelineTemplatesRequest()
        request.tenant_id = "{tenant_id}"
        request.body = ListPipelineTemplatesQuery(
            limit=3,
            offset=0,
            name="",
            is_system=
        )
        response = client.list_pipeline_templates(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 query the pipeline template list.

Set the start offset to 0 and the number to 3.

```
package main

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

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPipelineTemplatesRequest{}
    request.TenantId = "{tenant_id}"
    limitListPipelineTemplatesQuery:= int64(3)
    offsetListPipelineTemplatesQuery:= int64(0)
    nameListPipelineTemplatesQuery:= ""
    isSystemListPipelineTemplatesQuery:=
    request.Body = &model.ListPipelineTemplatesQuery{
        Limit: &limitListPipelineTemplatesQuery,
        Offset: &offsetListPipelineTemplatesQuery,
        Name: &nameListPipelineTemplatesQuery,
        IsSystem: &isSystemListPipelineTemplatesQuery,
    }
    response, err := client.ListPipelineTemplates(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
400	Bad request
401	Unauthorized
403	Forbidden

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Status Code	Description
404	Not Found

Error Codes

See **Error Codes**.

4.1.2 Obtaining Pipeline Templates

Function

Obtaining the Pipeline Template List

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/pipeline/templates/list

Request Parameters

Table 4-7 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition:** Language type. **Constraints**: N/A **Value range**: • **zh-cn**: Chinese. • **en-us**: English. **Default value**: **en-us**.

Table 4-8 Request body parameters

Parameter	Mandatory	Type	Description
is_system	No	Boolean	**Definition:** Whether the template is a system template. **Constraints**: N/A **Value range**: • **true**: The template is a system template. • **false**: The template is not a system template. **Default value**: N/A
template_name	No	String	**Definition:** Template name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
offset	No	Long	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: **0**.
limit	No	Long	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: **10**.
sort_key	No	String	**Definition:** (Optional) Field for sorting. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
sort_dir	No	String	**Definition:** (Optional) Sorting type. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-9 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition** Start offset. **Range** The **offset** value must be no less than 0.
limit	Integer	**Parameter description**: Number of queried records. **Value range**: None.
total	Integer	**Parameter description**: Total number of records. **Value range**: None.
result	Array of **PipelineTemplateSimpleVO** objects	**Definition**: Pipeline template list, including details about pipeline templates. **Range**: N/A

Table 4-10 PipelineTemplateSimpleVO

Parameter	Type	Description
watched	Boolean	**Definition**: Whether the template is visible to users. **Value range**: • **true**: The template is visible to users. • **false**: The template is invisible to users.

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Parameter	Type	Description
id	String	**Definition:** Template ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Parameter description**: Template name. **Value range**: None.
user_id	String	**Definition**: ID of the user who creates the pipeline template. **Value range**: The value consists of 32 characters, including digits and letters.
user_name	String	**Definition**: Username of the pipeline template creator. **Value range**: N/A
icon	String	**Parameter description**: Template icon. **Value range**: None.
manifest_version	String	**Parameter description**: Version. **Value range**: The default value is **3.0**.

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Parameter	Type	Description
language	String	**Definition** Template language. **Range** • **Java**. • python. • **Node.js**. • **Go**. • **.NET**. • **cpp**. • **PHP**. • arkts. • **Other**. • **None**.
description	String	**Parameter description**: Template description. **Value range**: None.
is_system	Integer	**Definition**: Whether the template is a system template. **Value range**: • **0**: The template is not a system template. • **1**: The template is a system template.
region	String	**Parameter description**: Template region. **Value range**: None.
domain_id	String	**Definition**: ID of the tenant to which the template belongs, that is, the domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
domain_name	String	**Definition**: Tenant name of the pipeline template creator. **Value range**: N/A
creator_id	String	**Definition:** Template creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Parameter description**: Template creator name. **Value range**: None.
updater_id	String	**Definition:** Template updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
create_time	String	**Parameter description**: Creation time. **Value range**: None.
modify_time	String	**Definition**: Update time. **Value range**: N/A
is_collect	Boolean	**Definition:** Whether to add the object to favorites. **Value range**: • **true**: Add the object to favorites. • **false**: Do not add the object to favorites.

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Parameter	Type	Description
is_show_source	Boolean	**Definition:** Whether to display the pipeline source. **Value range**: • **true**: The pipeline source is displayed. • **false**: The pipeline source is not displayed.
stages	Array of **stages** objects	**Parameter description**: Stages of template orchestration.

Table 4-11 stages

Parameter	Type	Description
name	String	**Parameter description**: Stage name. **Value range**: Enter only letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), parentheses (), and spaces. The name cannot start or end with a space, and the length is 1128 characters.
sequence	Integer	**Parameter description**: Stage sequence. **Value range**: No less than **0**.

Status code: 400

Table 4-12 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v3/pipeline/templates/list

{
  "template_name" : "1",
  "is_system" : "true",
  "sort_key" : "template_name",
  "sort_dir" : "asc",
  "offset" : 1,
  "limit" : 20
}
```

Example Responses

Status code: 200

```
{
  "offset" : 10,
  "limit" : 2,
  "total" : 423,
  "result" : [ {
    "watched" : true,
    "icon" : "pure-tomato",
    "id" : "ed3a99ae76b346818d6b2d09422d166d",
    "name" : "template-20221201154239",
    "user_id" : "847a5317086c41798469d0868535943a",
    "user_name" : "Beta environment account",
    "domain_id" : "ce8df55870164338a72d7e828a966a2a",
    "domain_name" : "devcloud_devcloud_h00485561_01",
    "description" : "",
    "create_time" : "2022-12-01 15:43:00",
    "modify_time" : "2024-04-15 16:51:31",
    "is_system" : 0
  }, {
    "watched" : true,
    "icon" : "pure-mint",
    "id" : "8f5ed64c74464866b771d9c982648efb",
    "name" : "testttttt",
    "user_id" : "fbee1146498c465d851c1b8dd2a253c6",
    "user_name" : null,
    "domain_id" : "ce8df55870164338a72d7e828a966a2a",
    "domain_name" : "devcloud_devcloud_h00485561_01",
    "description" : "",
    "create_time" : "2022-12-01 09:04:56",
    "modify_time" : "2022-12-01 09:04:56",
    "is_system" : 0
  } ]
}
```

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.1.3 Creating a Pipeline Template

Function

This API is used to create a pipeline template.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{tenant_id}/api/pipeline-templates

Table 4-13 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition:** Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Request Parameters

Table 4-14 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-15 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Template name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Template description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
language	Yes	String	**Definition:** Template language. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Array of **CustomVariableVO** objects	**Definition:** Custom parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
definition	Yes	String	**Definition:** Template orchestration JSON file, including stages. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_system	Yes	Boolean	**Definition:** Whether the template is a system template. **Constraints**: N/A **Value range**: • **true**: The template is a system template. • **false**: The template is not a system template. **Default value**: N/A

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Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
is_show_source	Yes	Boolean	**Definition:** Whether to display the pipeline source. **Constraints**: N/A **Value range**: • **true**: Display the pipeline source. • **false**: Do not display the pipeline source. **Default value**: N/A

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Table 4-16 CustomVariableVO

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition** Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints** N/A **Range** The value consists of 32 characters, including digits and letters. **Default Value** N/A
name	No	String	**Definition**: Custom parameter name. **Constraints**: N/A. **Value range:** Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A.
sequence	No	Integer	**Definition**: Parameter sequence number, which starts from 1. **Constraints**: N/A. **Value range:** N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Custom parameter type. **Constraints**: N/A. **Value range:** • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter. **Default value**: N/A.
value	No	String	**Definition**: Default value of a custom parameter. **Constraints**: N/A. **Value range:** Max. 8,192 characters. **Default value**: N/A.
is_secret	No	Boolean	**Definition**: Private parameter or not. **Constraints**: N/A. **Value range:** • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: **false**.

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Parameter	Mandatory	Type	Description
description	No	String	**Definition**: Parameter description. **Constraints**: N/A. **Value range:** Max. 1,024 characters. **Default value**: N/A.
is_runtime	No	Boolean	**Definition**: Whether a parameter can be set at runtime. **Constraints**: N/A. **Value range:** • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime. **Default value**: **false**.
limits	No	Array of objects	**Definition**: Enumerated values. **Constraints**: N/A. **Value range:** Max. 1,024 characters for an enumerated value. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
is_reset	No	Boolean	**Definition**: Whether to reset. If the auto-increment parameter is edited, the edited value is used. Otherwise, the last digit increases. **Constraints**: N/A. **Value range:** • **true**: Use the edited parameter value. • **false**: Use the auto-increment parameter. **Default value**: **false**.
latest_value	No	String	**Definition**: Value of the parameter in the last run. **Constraints**: N/A. **Value range:** Max. 8,192 characters. **Default value**: N/A.
runtime_value	No	String	**Definition** Runtime input value. **Constraints** N/A **Range** N/A **Default Value** N/A

Response Parameters

Status code: 200

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Table 4-17 Response body parameters

Parameter	Type	Description
templateId	String	**Definition:** Template ID.

Status code: 400

Table 4-18 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/pipeline-templates

{
  "name" : "Creating a Pipeline Template-20231023215133",
  "description" : "",
  "language" : "none",
  "is_show_source" : true,
  "variables" : [ ],
  "definition" : "{\"stages\":[{\"name\":\"Stage_1\",\"sequence\":\"0\",\"jobs\":[{\"stage_id
\":1698069093677,\"identifier\":\"16980691185419778b0f5-02cd-4bd3-a8cc-da825644add1\",\"name
\":\"CodeCheck\",\"depends_on\":[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":[{\"name\":\"CodeCheck
\",\"task\":\"official_devcloud_codeCheck_template\",\"sequence\":0,\"inputs\":[{\"key\":\"language\",\"value
\":\"Java\"},{\"key\":\"module_or_template_id\",\"value
\":\"d7dffaefb6d94c63a09cf141668356c7\"}],\"business_type\":\"Gate\",\"runtime_attribution\":\"agent
\",\"identifier\":\"16980691136015f94b249-102d-44f2-abb5-02fa3ad9fae0\",\"multi_step_editable
\":0,\"official_task_version\":\"0.0.1\"}],\"resource\":\"{\\\"type\\\":\\\"system\\\",\\\"arch\\\":\\\"x86\\\"}
\",\"condition\":\"${{ completed() }}\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence\":0}],\"identifier
\":\"16980690936778259e2a5-a97e-4c66-af8d-1908988c1c21\",\"pre\":[{\"task
\":\"official_devcloud_autoTrigger\",\"sequence\":0}],\"post\":null,\"depends_on\":[],\"run_always\":false}]}",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "is_system" : false
}
```

Example Responses

Status code: 200

```
{
  "templateId" : "ad8a26f8b19a4b83a8d92eb733b65476"
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class CreatePipelineTemplateSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePipelineTemplateRequest request = new CreatePipelineTemplateRequest();
        request.withTenantId("{tenant_id}");
        PipelineTemplateDTO body = new PipelineTemplateDTO();
        body.withIsShowSource(true);
        body.withDomainId("ce8df55870164338a72d7e828a966a2a");
        body.withIsSystem(false);
        body.withDefinition("{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"stage_id":1698069093677,"identifier":"16980691185419778b0f5-02cd-4bd3-a8cc-
da825644add1","name":"CodeCheck","depends_on":[],"timeout":"","timeout_unit":"","steps":
[{"name":"CodeCheck","task":"official_devcloud_codeCheck_template","sequence":0,"inputs":
[{"key":"language","value":"Java"},
{"key":"module_or_template_id","value":"d7dffaefb6d94c63a09cf141668356c7"}],"business_type":"Gate","runtime_attribution":"agent","identifier":"16980691136015f94b249-102d-44f2-
abb5-02fa3ad9fae0","multi_step_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system\",\"arch\":\"x86\"}","condition":"$
{{ completed() }}","exec_type":"OCTOPUS_JOB","sequence":0}],"identifier":"16980690936778259e2a5-
a97e-4c66-af8d-1908988c1c21","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":[],"run_always":false}]}");
        body.withLanguage("none");
        body.withDescription("");
        body.withName("Creating a Pipeline Template-20231023215133");
        request.withBody(body);
        try {
            CreatePipelineTemplateResponse response = client.createPipelineTemplate(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePipelineTemplateRequest()
        request.tenant_id = "{tenant_id}"
        request.body = PipelineTemplateDTO(
            is_show_source=True,
            domain_id="ce8df55870164338a72d7e828a966a2a",
            is_system=False,
            definition="{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"stage_id":1698069093677,"identifier":"16980691185419778b0f5-02cd-4bd3-a8cc-
da825644add1","name":"CodeCheck","depends_on":[],"timeout":"","timeout_unit":"","steps":
[{"name":"CodeCheck","task":"official_devcloud_codeCheck_template","sequence":0,"inputs":
[{"key":"language","value":"Java"},
{"key":"module_or_template_id","value":"d7dffaefb6d94c63a09cf141668356c7"}],"business_type":"Gate","ru
ntime_attribution":"agent","identifier":"16980691136015f94b249-102d-44f2-
abb5-02fa3ad9fae0","multi_step_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system
\",\"arch\":\"x86\"}","condition":"$
{{ completed() }}","exec_type":"OCTOPUS_JOB","sequence":0}],"identifier":"16980690936778259e2a5-
a97e-4c66-af8d-1908988c1c21","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":[],"run_always":false}]}",
            language="none",
            description="",
            name="Creating a Pipeline Template-20231023215133"
        )
        response = client.create_pipeline_template(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

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Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePipelineTemplateRequest{}
    request.TenantId = "{tenant_id}"
    descriptionPipelineTemplateDto:= ""
    request.Body = &model.PipelineTemplateDto{
        IsShowSource: true,
        DomainId: "ce8df55870164338a72d7e828a966a2a",
        IsSystem: false,
        Definition: "{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"stage_id":1698069093677,"identifier":"16980691185419778b0f5-02cd-4bd3-a8cc-
da825644add1","name":"CodeCheck","depends_on":[],"timeout":"","timeout_unit":"","steps":
[{"name":"CodeCheck","task":"official_devcloud_codeCheck_template","sequence":0,"inputs":
[{"key":"language","value":"Java"},
{"key":"module_or_template_id","value":"d7dffaefb6d94c63a09cf141668356c7"}],"business_type":"Gate","ru
ntime_attribution":"agent","identifier":"16980691136015f94b249-102d-44f2-
abb5-02fa3ad9fae0","multi_step_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system
\",\"arch\":\"x86\"}","condition":"$
{{ completed() }}","exec_type":"OCTOPUS_JOB","sequence":0}],"identifier":"16980690936778259e2a5-
a97e-4c66-af8d-1908988c1c21","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":[],"run_always":false}]}",
        Language: "none",
        Description: &descriptionPipelineTemplateDto,
        Name: "Creating a Pipeline Template-20231023215133",
    }
    response, err := client.CreatePipelineTemplate(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
```

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```
    } 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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.1.4 Querying Template Details

Function

This API is used to query template details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/pipeline-templates/{template_id}

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Table 4-19 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
template_id	Yes	String	**Definition**: Template ID, which is the unique identifier of a template. Obtain the template ID by calling the API for **querying templates**. **templates.id** indicates the template ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-20 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Template ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Parameter description**: Template name. **Value range**: None.
icon	String	**Parameter description**: Template icon. **Value range**: None.
manifest_version	String	**Parameter description**: Version. **Value range**: The default value is **3.0**.
language	String	**Definition** Template language. **Range** ● **Java**. ● python. ● **Node.js**. ● **Go**. ● **.NET**. ● **cpp**. ● **PHP**. ● arkts. ● **Other**. ● **None**.
description	String	**Parameter description**: Template description. **Value range**: None.

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Parameter	Type	Description
is_system	Boolean	**Definition:** Whether the template is a system template. **Value range**: • **true**: The template is a system template. • **false**: The template is not a system template.
region	String	**Parameter description**: Template region. **Value range**: None.
domain_id	String	**Definition**: ID of the tenant to which the template belongs, that is, the domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.
variables	Array of **CustomVariable** objects	**Definition:** Custom parameter.
creator_id	String	**Definition:** Template creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_id	String	**Definition:** Template updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
create_time	Integer	**Parameter description**: Creation time. **Value range**: None.

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Parameter	Type	Description
update_time	Integer	**Parameter description**: Update time. **Value range**: None.
is_collect	String	**Definition:** Whether to add the object to favorites. **Value range**: • **true**: Add the object to favorites. • **false**: Do not add the object to favorites.
is_show_source	Boolean	**Definition:** Whether to display the pipeline source. **Value range**: • **true**: The pipeline source is displayed. • **false**: The pipeline source is not displayed.
definition	String	**Definition:** Template orchestration JSON file, including stages. **Value range**: N/A

Table 4-21 CustomVariable

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID.
name	String	**Definition:** Custom parameter name.
sequence	Integer	**Parameter description**: Parameter sequence number, which starts from **1**.
type	String	**Definition:** Custom parameter type.

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Parameter	Type	Description
value	String	**Parameter description**: Default value of a custom parameter.
is_secret	Boolean	**Definition:** Private parameter or not.
description	String	**Parameter description**: Parameter description.
is_runtime	Boolean	**Definition:** Whether a parameter can be set at runtime.
limits	Array of objects	**Parameter description**: List of enumerated values.
is_reset	Boolean	**Definition:** Whether to reset. If the auto-increment parameter is edited, the edited value is used. Otherwise, the last digit increases.
latest_value	String	**Definition:** Value of the parameter in the last run.
runtime_value	String	**Definition** Runtime input value. **Range** N/A

Status code: 400

Table 4-22 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

Querying Pipeline Template Details

```
GET https://{endpoint}/v5/a5f63758220947b7821e70ae2734c01d/api/pipeline-templates/
deb18013bb6c4659b160b15fd7468644
```

Example Responses

Status code: 200


```
{
  "id" : "deb18013bb6c4659b160b15fd7468644",
  "name" : "Creating a Pipeline Template-20230112115711",
  "icon" : null,
  "manifest_version" : "3.0",
  "language" : "none",
  "description" : "",
  "is_system" : false,
  "region" : "{region}",
  "domain_id" : "70ffec613024477bbaf266128bd9778d",
  "variables" : [ ],
  "creator_id" : "5ffd41c9df9d4506862ce27e209bb106",
  "updater_id" : "5ffd41c9df9d4506862ce27e209bb106",
  "create_time" : 1673495851000,
  "update_time" : 1673495851000,
  "is_collect" : null,
  "is_show_source" : true,
  "definition" : "{\"stages\":[{\"name\":\"Phase _1\",\"sequence\":\"0\",\"jobs\":[{\"stage_id
\":1673495831907,\"identifier\":\"16734958501367554c26c-561b-4831-a906-e88316c8e674\",\"name\":
\"New Task\",\"depends_on\":[] ,\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":[],\"exec_type
\":\"AGENTLESS_JOB\",\"sequence\":0}],\"identifier\":\"0\",\"pre\":[{\"task\":\"official_devcloud_autoTrigger
\",\"sequence\":0}],\"post\":null,\"depends_on\":[],\"run_always\":false}]}"
}
```


Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.1.5 Updating a Pipeline Template

Function

This API is used to update a pipeline template.

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Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{tenant_id}/api/pipeline-templates/{template_id}

Table 4-23 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
template_id	Yes	String	**Definition**: Template ID, which is the unique identifier of a template. Obtain the template ID by calling the API for **querying templates**. **templates.id** indicates the template ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-24 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-25 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Template name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Template description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
language	Yes	String	**Definition:** Template language. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Array of **CustomVariableVO** objects	**Definition:** Custom parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
definition	Yes	String	**Definition:** Template orchestration JSON file, including stages. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_system	Yes	Boolean	**Definition:** Whether the template is a system template. **Constraints**: N/A **Value range**: • **true**: The template is a system template. • **false**: The template is not a system template. **Default value**: N/A

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Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
is_show_source	Yes	Boolean	**Definition:** Whether to display the pipeline source. **Constraints**: N/A **Value range**: • **true**: Display the pipeline source. • **false**: Do not display the pipeline source. **Default value**: N/A

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Table 4-26 CustomVariableVO

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition** Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints** N/A **Range** The value consists of 32 characters, including digits and letters. **Default Value** N/A
name	No	String	**Definition**: Custom parameter name. **Constraints**: N/A. **Value range:** Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A.
sequence	No	Integer	**Definition**: Parameter sequence number, which starts from 1. **Constraints**: N/A. **Value range:** N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Custom parameter type. **Constraints**: N/A. **Value range:** • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter. **Default value**: N/A.
value	No	String	**Definition**: Default value of a custom parameter. **Constraints**: N/A. **Value range:** Max. 8,192 characters. **Default value**: N/A.
is_secret	No	Boolean	**Definition**: Private parameter or not. **Constraints**: N/A. **Value range:** • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: **false**.

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Parameter	Mandatory	Type	Description
description	No	String	**Definition**: Parameter description. **Constraints**: N/A. **Value range:** Max. 1,024 characters. **Default value**: N/A.
is_runtime	No	Boolean	**Definition**: Whether a parameter can be set at runtime. **Constraints**: N/A. **Value range:** • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime. **Default value**: **false**.
limits	No	Array of objects	**Definition**: Enumerated values. **Constraints**: N/A. **Value range:** Max. 1,024 characters for an enumerated value. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
is_reset	No	Boolean	**Definition**: Whether to reset. If the auto-increment parameter is edited, the edited value is used. Otherwise, the last digit increases. **Constraints**: N/A. **Value range:** • **true**: Use the edited parameter value. • **false**: Use the auto-increment parameter. **Default value**: **false**.
latest_value	No	String	**Definition**: Value of the parameter in the last run. **Constraints**: N/A. **Value range:** Max. 8,192 characters. **Default value**: N/A.
runtime_value	No	String	**Definition** Runtime input value. **Constraints** N/A **Range** N/A **Default Value** N/A

Response Parameters

Status code: 200

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Table 4-27 Response body parameters

Parameter	Type	Description
templateId	String	**Definition:** Template ID.

Status code: 400

Table 4-28 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/pipeline-templates/
ad8a26f8b19a4b83a8d92eb733b65476

{
  "name" : "Creating a Pipeline Template-20231023212159",
  "language" : "none",
  "description" : "",
  "is_system" : false,
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "variables" : [ ],
  "is_show_source" : true,
  "definition" : "{\"stages\":[{\"name\":\"Stage_1\",\"sequence\":\"0\",\"jobs\":[{\"stage_id
\":1698067319814,\"identifier\":\"16980673371452673e2a4-b3e1-4389-a145-fc57a4473137\",\"name
\":\"CloudBuild template\",\"depends_on\":[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":[{\"name
\":\"CloudBuild template\",\"task\":\"official_devcloud_cloudBuild_template\",\"sequence\":0,\"inputs\":
[{\"key\":\"pipelineNumber\",\"value\":\"v1.0.0\"},{\"key\":\"artifactName\",\"value\":\"name\"},{\"key
\":\"is_build_in\",\"value\":\"system\"},{\"key\":\"module_or_template_id\",\"value
\":\"00057\"}],\"business_type\":\"Build\",\"runtime_attribution\":\"agent\",\"identifier
\":\"1698067328741629de896-a67b-4c2a-be40-7f6531af2f19\",\"multi_step_editable
\":0,\"official_task_version\":\"0.0.1\"}],\"resource\":\"{\\\"type\\\":\\\"system\\\",\\\"arch\\\":\\\"x86\\\"}
\",\"condition\":\"${{ completed() }}\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence\":0},{\"identifier
\":\"1698067635354dba15971-5277-48fe-a219-8cd578aa8773\",\"name\":\"CodeCheck\",\"task
\":\"official_devcloud_codeCheck_template\",\"sequence\":0,\"inputs\":[{\"key\":\"language\",\"value\":\"C/C+
+\"},{\"key\":\"module_or_template_id\",\"value\":\"d7dffaefb6d94c63a09cf141668356c7\"}],\"business_type
\":\"Gate\",\"runtime_attribution\":\"agent\",\"identifier
\":\"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192\",\"multi_step_editable
\":0,\"official_task_version\":\"0.0.1\"}],\"resource\":\"{\\\"type\\\":\\\"system\\\",\\\"arch\\\":\\\"x86\\\"}
\",\"condition\":\"completed()\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence\":1}],\"identifier
\":\"1698067319814bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9\",\"pre\":[{\"task
\":\"official_devcloud_autoTrigger\",\"sequence\":0}],\"post\":null,\"depends_on\":[],\"run_always\":false}]}"
}
```

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Example Responses

Status code: 200

```
{
  "templateId" : "ad8a26f8b19a4b83a8d92eb733b65476"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class UpdatePipelineTemplateSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdatePipelineTemplateRequest request = new UpdatePipelineTemplateRequest();
        request.withTenantId("{tenant_id}");
        request.withTemplateId("{template_id}");
        PipelineTemplateDTO body = new PipelineTemplateDTO();
        body.withIsShowSource(true);
        body.withDomainId("ce8df55870164338a72d7e828a966a2a");
        body.withIsSystem(false);
        body.withDefinition("{"stages":[{"name":"Stage_1","sequence":"0","jobs":[{"stage_id":1698067319814,"identifier":"16980673371452673e2a4-b3e1-4389-a145-fc57a4473137","name":"CloudBuild template","depends_on":[],"timeout":"","timeout_unit":"","steps":[{"name":"CloudBuild template","task":"official_devcloud_cloudBuild_template","sequence":0,"inputs":[{"key":"pipelineNumber","value":"v1.0.0"},{"key":"artifactName","value":"name"},{"key":"is_build_in","value":"system"},{"key":"module_or_template_id","value":"00057"}],"business_type":"Build","runtime_attribution":"agent","identifier":"1698067328741629de896-a67b-4c2a-be40-7f6531af2f19","multi_step_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system\",\"arch\":\"x86\"}","condition":"${{ completed() }}","exec_type":"OCTOPUS_JOB","sequence":0},{"identifier":"1698067635354dba15971-5277-48fe-a219-8cd578aa8773","name":"CodeCheck","task":"official_devcloud_codeCheck_template","sequence":0,"inputs":[{"key":"language","value":"C/C++"},
```

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```
{"key":"module_or_template_id","value":"d7dffaefb6d94c63a09cf141668356c7"}],"business_type":"Gate","ru
ntime_attribution":"agent","identifier":"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192","multi_step
_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system\",\"arch
\":\"x86\"}","condition":"completed()","exec_type":"OCTOPUS_JOB","sequence":1}],"identifier":"16980673198
14bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":[],"run_always":false}]}");
        body.withLanguage("none");
        body.withDescription("");
        body.withName("Creating a Pipeline Template-20231023212159");
        request.withBody(body);
        try {
            UpdatePipelineTemplateResponse response = client.updatePipelineTemplate(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdatePipelineTemplateRequest()
        request.tenant_id = "{tenant_id}"
        request.template_id = "{template_id}"
        request.body = PipelineTemplateDTO(
            is_show_source=True,
            domain_id="ce8df55870164338a72d7e828a966a2a",
            is_system=False,
            definition="{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"stage_id":1698067319814,"identifier":"16980673371452673e2a4-b3e1-4389-a145-
fc57a4473137","name":"CloudBuild template","depends_on":[],"timeout":"","timeout_unit":"","steps":
[{"name":"CloudBuild template","task":"official_devcloud_cloudBuild_template","sequence":0,"inputs":
[{"key":"pipelineNumber","value":"v1.0.0"},{"key":"artifactName","value":"name"},
{"key":"is_build_in","value":"system"},
{"key":"module_or_template_id","value":"00057"}],"business_type":"Build","runtime_attribution":"agent","ide
ntifier":"1698067328741629de896-a67b-4c2a-
```

```
be40-7f6531af2f19","multi_step_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system
\",\"arch\":\"x86\"}","condition":"${{ completed() }}","exec_type":"OCTOPUS_JOB","sequence":0},
{"identifier":"1698067635354dba15971-5277-48fe-
a219-8cd578aa8773","name":"CodeCheck","task":"official_devcloud_codeCheck_template","sequence":0,"inp
uts":[{"key":"language","value":"C/C++"},
{"key":"module_or_template_id","value":"d7dffaefb6d94c63a09cf141668356c7"}],"business_type":"Gate","ru
ntime_attribution":"agent","identifier":"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192","multi_step
_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system\",\"arch
\":\"x86\"}","condition":"completed()","exec_type":"OCTOPUS_JOB","sequence":1}],"identifier":"16980673198
14bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":[],"run_always":false}]}",
            language="none",
            description="",
            name="Creating a Pipeline Template-20231023212159"
        )
        response = client.update_pipeline_template(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdatePipelineTemplateRequest{}
    request.TenantId = "{tenant_id}"
```

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```
    request.TemplateId = "{template_id}"
    descriptionPipelineTemplateDto:= ""
    request.Body = &model.PipelineTemplateDto{
        IsShowSource: true,
        DomainId: "ce8df55870164338a72d7e828a966a2a",
        IsSystem: false,
        Definition: "{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"stage_id":1698067319814,"identifier":"16980673371452673e2a4-b3e1-4389-a145-
fc57a4473137","name":"CloudBuild template","depends_on":[],"timeout":"","timeout_unit":"","steps":
[{"name":"CloudBuild template","task":"official_devcloud_cloudBuild_template","sequence":0,"inputs":
[{"key":"pipelineNumber","value":"v1.0.0"},{"key":"artifactName","value":"name"},
{"key":"is_build_in","value":"system"},
{"key":"module_or_template_id","value":"00057"}],"business_type":"Build","runtime_attribution":"agent","ide
ntifier":"1698067328741629de896-a67b-4c2a-
be40-7f6531af2f19","multi_step_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system
\",\"arch\":\"x86\"}","condition":"${{ completed() }}","exec_type":"OCTOPUS_JOB","sequence":0},
{"identifier":"1698067635354dba15971-5277-48fe-
a219-8cd578aa8773","name":"CodeCheck","task":"official_devcloud_codeCheck_template","sequence":0,"inp
uts":[{"key":"language","value":"C/C++"},
{"key":"module_or_template_id","value":"d7dffaefb6d94c63a09cf141668356c7"}],"business_type":"Gate","ru
ntime_attribution":"agent","identifier":"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192","multi_step
_editable":0,"official_task_version":"0.0.1"}],"resource":"{\"type\":\"system\",\"arch
\":\"x86\"}","condition":"completed()","exec_type":"OCTOPUS_JOB","sequence":1}],"identifier":"16980673198
14bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":[],"run_always":false}]}",
        Language: "none",
        Description: &descriptionPipelineTemplateDto,
        Name: "Creating a Pipeline Template-20231023212159",
    }
    response, err := client.UpdatePipelineTemplate(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.1.6 Deleting a Pipeline Template

Function

This API is used to delete a pipeline template.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v5/{tenant_id}/api/pipeline-templates/{template_id}

Table 4-29 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition:** Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
template_id	Yes	String	**Definition**: Template ID, which is the unique identifier of a template. Obtain the template ID by calling the API for **querying templates**. **templates.id** indicates the template ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-30 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-31 Response body parameters

Parameter	Type	Description
templateId	String	**Definition:** Template ID.

Status code: 400

Table 4-32 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
DELETE https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/pipeline-templates/
8178e40e7525419596a2c02e0c12e690
```

Example Responses

Status code: 200

```
{
  "templateId" : "8178e40e7525419596a2c02e0c12e690"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeletePipelineTemplateSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeletePipelineTemplateRequest request = new DeletePipelineTemplateRequest();
        request.withTenantId("{tenant_id}");
        request.withTemplateId("{template_id}");
        try {
            DeletePipelineTemplateResponse response = client.deletePipelineTemplate(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());
        }
```

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```
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeletePipelineTemplateRequest()
        request.tenant_id = "{tenant_id}"
        request.template_id = "{template_id}"
        response = client.delete_pipeline_template(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
```

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```
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeletePipelineTemplateRequest{}
    request.TenantId = "{tenant_id}"
    request.TemplateId = "{template_id}"
    response, err := client.DeletePipelineTemplate(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.1.7 Adding a Pipeline Template to Favorites

Function

This API is used to add a pipeline template to favorites.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{tenant_id}/api/pipeline-templates/{templateId}/favorite

Table 4-33 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
templateId	Yes	String	**Parameter description**: Template ID. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.

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Table 4-34 Query Parameters

Parameter	Mandatory	Type	Description
flag	Yes	Boolean	**Definition:** Whether to add the object to favorites. **Constraints**: N/A **Value range**: • true: The object has been added to favorites. • false: The object is not added to favorites. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-35 Response body parameters

Parameter	Type	Description
templateId	String	**Definition:** Template ID.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-templates/
d6e65b15f6d94fda85c6644e8136a1f7/favorite?flag=true
```

Example Responses

Status code: 200

```
{
  "templateId" : "d6e65b15f6d94fda85c6644e8136a1f7"
}
```


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Status Codes

Status Code	Description
200	Added to favorites.

Error Codes

See **Error Codes**.

4.2 Pipeline Management

4.2.1 Starting a Pipeline

Function

This API is used to start a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/run

Table 4-36 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-37 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-38 Request body parameters

Parameter	Mandatory	Type	Description
sources	No	Array of **sources** objects	**Parameter description**: Code source information list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Pipeline running description. **Constraints**: N/A **Value range**: Max. 1,024 characters. **Default value**: N/A
variables	No	Array of **variables** objects	**Definition:** Custom parameters. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
choose_jobs	No	Array of strings	**Parameter description**: Pipeline jobs selected to run. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
choose_stages	No	Array of strings	**Parameter description**: Selected pipeline stages. The priority is higher than that of **choose_jobs**. That is, if a stage is not selected, jobs (selected in **choose_jobs**) under this stage are ignored. **Constraints**: N/A. **Value Range**: N/A. **Default value**: N/A.

Table 4-39 sources

Parameter	Mandatory	Type	Description
type	Yes	String	**Definition:** Pipeline source type. Currently, **code** and **artifact** are supported. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
params	No	**params** object	**Definition:** Pipeline source parameters. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-40 params

Parameter	Mandatory	Type	Description
git_type	Yes	String	**Definition** Code repository type. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A
alias	No	String	**Parameter description**: Code repository alias. The alias is user-defined and is used to distinguish system parameters when there are multiple repositories. For example, A_REPO_COMMIT_ID, B_REPO_COMMIT_ID. **Constraints**: N/A. **Value Range**: N/A. **Default value**: N/A.
codehub_id	No	String	**Definition:** ID of a CodeArts Repo repository. You can obtain the ID by calling the API for querying a code repository. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
default_branch	No	String	**Parameter description**: Default branch of the code repository for pipeline execution. **Constraints**: None. **Value range**: None. **Default value**: None.
git_url	Yes	String	**Parameter description**: HTTPS address of the Git repository, for example, https://example.com/CloudPipelinezycs00001/2000.git. **Constraints**: None. **Value range**: None. **Default value**: None.
endpoint_id	No	String	**Definition** Code source endpoint ID. Obtain the ID by calling the API for **querying endpoints**. **endpoints.uuid** indicates the endpoint ID. **Constraints** N/A **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
build_params	No	**build_params** object	**Definition:** Pipeline build parameters. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
change_request_ids	No	Array of strings	**Definition** Change IDs of the change-triggered pipeline. You can use the **Query the change list**interface. data.id indicates the change ID. **Constraints** N/A **Range** N/A **Default Value** N/A

Table 4-41 build_params

Parameter	Mandatory	Type	Description
build_type	Yes	String	**Definition** Code repository trigger type. The options include **branch** (triggered by a branch), **tag** (triggered by a tag), and **commitId** (triggered by a commit ID). **Constraints** N/A. **Range** N/A. **Default Value** N/A.

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Parameter	Mandatory	Type	Description
commit_id	No	String	**Definition** Triggered by **commitId**. **Constraints** N/A. **Range** N/A. **Default Value** N/A.
event_type	No	String	**Definition** Pipeline trigger mode. • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment. **Constraints** N/A **Range** N/A **Default Value** N/A
target_branch	No	String	**Parameter description**: Branch that triggers the pipeline execution. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
tag	No	String	**Parameter description**: Tag for triggering a pipeline. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-42 variables

Parameter	Mandatory	Type	Description
name	Yes	String	**Parameter description**: Parameter name. **Constraints**: None. **Value range**: None. **Default value**: None.
value	Yes	String	**Parameter description**: Parameter value. **Constraints**: N/A **Value range**: Max. 8192 characters. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-43 Response body parameters

Parameter	Type	Description
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

Start a pipeline.

The specified branch is master, and the parameter is key:val.

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/
e5460d1d403146a1935c2d4b68ef506c/run

{
  "sources" : [ {
    "type" : "code",
    "params" : {
      "git_type" : "codehub",
      "codehub_id" : "2111699716",
      "default_branch" : "test-lbdsb11",
      "git_url" : "https://example.com/clsyz00001/111.git",
      "build_params" : {
        "build_type" : "branch",
        "commit_id" : 1223,
        "event_type" : "Manual",
        "target_branch" : "test-lbdsb11"
      }
    }
  } ],
  "description" : "Pipeline running description.",
  "variables" : [ {
    "name" : "key",
    "value" : "val"
  } ],
  "choose_jobs" : [ "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4" ]
}
```

Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "ad6b7f66283a45be9c1f82b06c831e59"
}
```

SDK Sample Code

The SDK sample code is as follows.

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Java

Start a pipeline.

The specified branch is master, and the parameter is key:val.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class RunPipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        RunPipelineRequest request = new RunPipelineRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        RunPipelineDTO body = new RunPipelineDTO();
        List<String> listbodyChooseJobs = new ArrayList<>();
        listbodyChooseJobs.add("16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4");
        List<RunPipelineDTOVariables> listbodyVariables = new ArrayList<>();
        listbodyVariables.add(
            new RunPipelineDTOVariables()
                .withName("key")
                .withValue("val")
        );
        RunPipelineDTOParamsBuildParams buildParamsParams = new RunPipelineDTOParamsBuildParams();
        buildParamsParams.withBuildType("branch")
            .withEventType("Manual")
            .withTargetBranch("test-lbdsb11");
        RunPipelineDTOParams paramsSources = new RunPipelineDTOParams();
        paramsSources.withGitType("codehub")
            .withCodehubId("2111699716")
            .withDefaultBranch("test-lbdsb11")
            .withGitUrl("https://example.com/clsyz00001/111.git")
            .withBuildParams(buildParamsParams);
        List<RunPipelineDTOSources> listbodySources = new ArrayList<>();
        listbodySources.add(
            new RunPipelineDTOSources()
                .withType("code")
                .withParams(paramsSources)
        );
        body.withChooseJobs(listbodyChooseJobs);
        body.withVariables(listbodyVariables);
```

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```
        body.withDescription("Pipeline running description.");
        body.withSources(listbodySources);
        request.withBody(body);
        try {
            RunPipelineResponse response = client.runPipeline(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

Start a pipeline.

The specified branch is master, and the parameter is key:val.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = RunPipelineRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        listChooseJobsbody = [
            "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4"
        ]
        listVariablesbody = [
            RunPipelineDTOVariables(
                name="key",
                value="val"
            )
        ]
        buildParamsParams = RunPipelineDTOParamsBuildParams(
            build_type="branch",
            event_type="Manual",
            target_branch="test-lbdsb11"
        )
        paramsSources = RunPipelineDTOParams(
```

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```
            git_type="codehub",
            codehub_id="2111699716",
            default_branch="test-lbdsb11",
            git_url="https://example.com/clsyz00001/111.git",
            build_params=buildParamsParams
        )
        listSourcesbody = [
            RunPipelineDTOSources(
                type="code",
                params=paramsSources
            )
        ]
        request.body = RunPipelineDTO(
            choose_jobs=listChooseJobsbody,
            variables=listVariablesbody,
            description="Pipeline running description.",
            sources=listSourcesbody
        )
        response = client.run_pipeline(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

Start a pipeline.

The specified branch is master, and the parameter is key:val.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
```

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```
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.RunPipelineRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    var listChooseJobsbody = []string{
        "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4",
    }
    var listVariablesbody = []model.RunPipelineDtoVariables{
        {
            Name: "key",
            Value: "val",
        },
    }
    eventTypeBuildParams:= "Manual"
    targetBranchBuildParams:= "test-lbdsb11"
    buildParamsParams := &model.RunPipelineDtoParamsBuildParams{
        BuildType: "branch",
        EventType: &eventTypeBuildParams,
        TargetBranch: &targetBranchBuildParams,
    }
    codehubIdParams:= "2111699716"
    defaultBranchParams:= "test-lbdsb11"
    paramsSources := &model.RunPipelineDtoParams{
        GitType: "codehub",
        CodehubId: &codehubIdParams,
        DefaultBranch: &defaultBranchParams,
        GitUrl: "https://example.com/clsyz00001/111.git",
        BuildParams: buildParamsParams,
    }
    var listSourcesbody = []model.RunPipelineDtoSources{
        {
            Type: "code",
            Params: paramsSources,
        },
    }
    descriptionRunPipelineDto:= "Pipeline running description."
    request.Body = &model.RunPipelineDto{
        ChooseJobs: &listChooseJobsbody,
        Variables: &listVariablesbody,
        Description: &descriptionRunPipelineDto,
        Sources: &listSourcesbody,
    }
    response, err := client.RunPipeline(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

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Status Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.2 Obtaining the Status of Pipelines with Execution Records in Batches

Function

This API is used to obtain the pipeline status in batches. The basic information about the pipeline and its last execution are returned. To query the execution details of a pipeline, call the API for **obtaining the pipeline status and pipeline execution details**.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/status

Table 4-44 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-45 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-46 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of strings	**Definition**: Pipeline ID list. Obtain an ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Response Parameters

Status code: 200

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Table 4-47 Response body parameters

Parameter	Type	Description
[items]	Array of **PipelineLatestRun** objects	**Definition:** Pipeline and its latest running information. **Value range**: N/A

Table 4-48 PipelineLatestRun

Parameter	Type	Description
pipeline_id	String	**Parameter description**: Pipeline ID. **Value range**: 32 characters, including only digits and letters.
pipeline_run_id	String	**Parameter description**: Pipeline run ID. **Value range**: 32 characters, including only digits and letters.
executor_id	String	**Parameter description**: Executor ID. **Value range**: 32 characters, including only digits and letters.
executor_name	String	**Parameter description**: Executor name. **Value range**: None.
stage_status_list	Array of **stage_status_list** objects	**Parameter description**: Stage status information, including the detailed status information of each stage.

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Parameter	Type	Description
status	String	**Definition:** Pipeline run status. **Value range**: • **COMPLETED**: The instance is completed. • **RUNNING**: The instance is running. • **FAILED**: The instance failed. • **CANCELED**: The instance is canceled. • **PAUSED**: The instance is paused. • **SUSPEND**: The instance is suspended. • **IGNORED**: The instance is ignored.
run_number	Integer	**Parameter description**: Pipeline running sequence number. **Value range**: No less than **1**.
trigger_type	String	**Definition** Trigger type. **Range** • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment.
build_params	**build_params** object	**Parameter description**: Build parameters. **Value range**: None.
artifact_params	**artifact_params** object	**Parameter description**: Artifact parameters. **Value range**: None.

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Parameter	Type	Description
start_time	Long	**Definition:** Pipeline start time. **Value range**: N/A
end_time	Long	**Definition:** Pipeline end time. **Value range**: N/A
modify_url	String	**Parameter description**: Address of the editing page. **Value range**: None.
detail_url	String	**Parameter description**: Address of the details page. **Value range**: None.

Table 4-49 job_status_list

Parameter	Type	Description
name	String	**Definition**: Job name. **Value range**: N/A
identifier	String	**Definition**: Job identifier. **Value range**: N/A

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Parameter	Type	Description
status	String	**Definition**: Job status. **Value range**: • **COMPLETED**: completed. • **RUNNING**: running. • **FAILED**: failed. • **CANCELED**: canceled. **PAUSED**: paused. • **SUSPEND**: suspended. • **IGNORED**: ignored.

Table 4-50 stage_status_list

Parameter	Type	Description
name	String	**Parameter description**: Stage name. **Value range**: Enter only letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), parentheses (), and spaces. The value cannot start or end with a space, and the length is 1128 characters.
sequence	Integer	**Parameter description**: Stage sequence number. The value **0** indicates the first pipeline stage. **Value range**: No less than **0**.

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Parameter	Type	Description
status	String	**Definition:** Pipeline stage status. **Value range**: • **INIT**: The stage is being initialized. • **QUEUED**: The stage is queuing. • **RUNNING**: The stage is running. • **CANCELED**: The stage is canceled. • **COMPLETED**: The stage is completed. • **FAILED**: The stage is failed. • **SKIPPED**: The stage is skipped. • **IGNORED**: The stage is ignored. • **PAUSED**: The stage is paused. • **SUSPEND**: The stage is suspended. • **ASYNC_RUNNING**: The stage is running asynchronously. • **ASYNC_FAILED**: The stage failed during asynchronous execution. • **UNSELECTED**: The stage is unselected. • **REDISPATCH**: The stage is rescheduled.
start_time	String	**Parameter description**: Stage start time. **Value range**: None.
end_time	String	**Parameter description**: Stage end time. **Value range**: None.

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Table 4-51 build_params

Parameter	Type	Description
action	String	**Definition:** Merge request type. **Value range**: • **open**: The merge request is opened. • **reopen**: The merge request is reopened. • **update**: The merge request is updated. • **merge**: The merge request is merged.
build_type	String	**Definition:** Triggered by a branch or a tag. **Value range**: • **branch**: triggered by a branch. • **tag**: triggered by a tag.
commit_id	String	**Definition:** Code repository commit ID. **Value range**: The value contains 40 characters.
event_type	String	**Definition** Type of a running event. **Range** • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment.
merge_id	String	**Parameter description**: Merge request ID. **Value range**: None.

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Parameter	Type	Description
message	String	**Parameter description**: Code commit message. **Value range**: None.
source_branch	String	**Parameter description**: Source branch. **Value range**: None.
tag	String	**Parameter description**: Tag. **Value range**: None.
target_branch	String	**Parameter description**: Target branch. **Value range**: None.
codehub_id	String	**Parameter description**: Repo code repository ID. **Value range**: None.
git_url	String	**Parameter description**: HTTPS address of the code repository. **Value range**: None.
source_codehub_id	String	**Parameter description**: ID of the source Repo code repository. **Value range**: None.
source_codehub_url	String	**Parameter description**: Address of the source Repo code repository. **Value range**: None.

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Parameter	Type	Description
source_codehub_http_url	String	**Parameter description**: HTTP address of the source Repo code repository. **Value range**: None.

Table 4-52 artifact_params

Parameter	Type	Description
version	String	**Parameter description**: Package version. **Value range**: None.
branch_filter	String	**Parameter description**: Branch filter. **Value range**: None.
package_name	String	**Parameter description**: Package name. **Value range**: None.
organization	String	**Parameter description**: Docker organization. **Value range**: None.

Example Requests

Obtaining Pipeline Statuses in Batches

The pipeline ID is d19799d619424b2bb2625ec2d93ea087.

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/status

[ "d19799d619424b2bb2625ec2d93ea087" ]
```

Example Responses

Status code: 200

```
[ {
  "pipeline_id" : "d19799d619424b2bb2625ec2d93ea087",
```

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```
 "pipeline_run_id" : "ad6b7f66283a45be9c1f82b06c831e59",
 "executor_id" : "847a5317086c41798469d0868535943a",
 "executor_name" : "Beta environment account",
 "stage_status_list" : [ {
  "name" : "Phase_1",
  "sequence" : 0,
  "status" : "FAILED",
  "start_time" : "2023-03-04 16:48:09",
  "end_time" : "2023-03-04 16:50:11"
 } ],
 "status" : "FAILED",
 "run_number" : 2,
 "trigger_type" : "Manual",
 "build_params" : {
  "action" : null,
  "build_type" : "branch",
  "commit_id" : "fc93c34f906aeb1cc031e3f6f8b2baeac078ae4b",
  "event_type" : "Manual",
  "merge_id" : null,
  "message" : "init",
  "source_branch" : null,
  "tag" : null,
  "target_branch" : "test-lbdsb11",
  "codehub_id" : "2111699716",
  "git_url" : "https://example.com/clsyz00001/111.git"
 },
 "artifact_params" : null,
 "start_time" : 1677919688000,
 "end_time" : 1677919811000
} ]
```


SDK Sample Code

The SDK sample code is as follows.

Java

Obtaining Pipeline Statuses in Batches

The pipeline ID is d19799d619424b2bb2625ec2d93ea087.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class BatchShowPipelinesLatestStatusSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        BatchShowPipelinesLatestStatusRequest request = new BatchShowPipelinesLatestStatusRequest();
        request.withProjectId("{project_id}");
        List<String> listbodyBody = new ArrayList<>();
        listbodyBody.add("d19799d619424b2bb2625ec2d93ea087");
        request.withBody(listbodyBody);
        try {
            BatchShowPipelinesLatestStatusResponse response =
client.batchShowPipelinesLatestStatus(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

Obtaining Pipeline Statuses in Batches

The pipeline ID is d19799d619424b2bb2625ec2d93ea087.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = BatchShowPipelinesLatestStatusRequest()
        request.project_id = "{project_id}"
        listBodybody = [
            "d19799d619424b2bb2625ec2d93ea087"
        ]
        request.body = listBodybody
        response = client.batch_show_pipelines_latest_status(request)
        print(response)
```

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```
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Obtaining Pipeline Statuses in Batches

The pipeline ID is d19799d619424b2bb2625ec2d93ea087.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.BatchShowPipelinesLatestStatusRequest{}
    request.ProjectId = "{project_id}"
    var listBodybody = []string{
        "d19799d619424b2bb2625ec2d93ea087",
    }
    request.Body = &listBodybody
    response, err := client.BatchShowPipelinesLatestStatus(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

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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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.3 Obtaining Pipeline Status/Obtaining Pipeline Execution Details

Function

This API is used to obtain the pipeline status/pipeline execution details. Only the data with execution records is returned.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/detail

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Table 4-53 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-54 Query Parameters

Parameter	Mandatory	Type	Description
pipeline_run_number	No	String	**Definition** Pipeline run number. **Constraints** N/A **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
pipeline_run_id	No	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
attempt	No	Integer	**Definition** Number of retry times of a pipeline instance. This parameter is valid only when **pipeline_run_id** is specified. **Constraints** N/A **Range** An integer greater than or equal to 1 **Default Value** If this parameter is not passed, the latest execution of the running instance is queried by default.

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Request Parameters

Table 4-55 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-56 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.
pipeline_id	String	**Parameter description**: Pipeline ID. **Value range**: 32 characters, including only digits and letters.
manifest_version	String	**Parameter description**: Pipeline version. **Value range**: The default value is **3.0**.

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Parameter	Type	Description
name	String	**Parameter description**: Pipeline name. **Value range**: The value can contain only letters, digits, hyphens (-), and underscores (_). The length is 1128 characters.
description	String	**Definition:** Pipeline running description. **Value range**: Max. 1,024 characters.
is_publish	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline.
executor_id	String	**Definition:** Operator ID, which is the user ID. **Value range**: The value consists of 32 characters, including only digits and letters.
executor_name	String	**Parameter description**: Executor name. **Value range**: None.
executor_user_name	String	**Definition**: Name of the user who runs the pipeline. **Value range**: N/A

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Parameter	Type	Description
status	String	**Definition:** Pipeline run status. **Value range**: • **COMPLETED**: The instance is completed. • **RUNNING**: The instance is running. • **FAILED**: The instance failed. • **CANCELED**: The instance is canceled. • **PAUSED**: The instance is paused. • **SUSPEND**: The instance is suspended. • **IGNORED**: The instance is ignored.
trigger_type	String	**Definition** Pipeline trigger type. • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment. **Range** N/A
run_number	Integer	**Parameter description**: Pipeline running sequence number. **Value range**: No less than **1**.
start_time	Long	**Definition:** Pipeline start time. **Value range**: N/A
end_time	Long	**Definition:** Pipeline end time. **Value range**: N/A

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Parameter	Type	Description
stages	Array of **StageRun** objects	**Parameter description**: Stage running information, including the detailed running information of each stage.
domain_id	String	**Definition:** Tenant ID, that is, domain ID of a user account. **Value range**: The value consists of 32 characters, including only digits and letters.
project_id	String	**Parameter description**: Project ID. **Value range**: 32 characters, including only digits and letters.
region	String	**Parameter description**: Region. **Value range**: None.
component_id	String	**Definition** Microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Range** N/A
language	String	**Parameter description**: Language. Currently, only Chinese and English are supported. **Value range**: zh-cn, en-us.
sources	Array of **RunPipelineSource** objects	**Parameter description**: Pipeline source information. **Value range**: None.
artifacts	Array of **PackageInfo** objects	**Parameter description**: Artifacts after running a pipeline. **Value range**: None.

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Parameter	Type	Description
subject_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: N/A
group_id	String	**Definition:** Group ID. **Value range**: The value consists of 32 characters, including digits and letters.
group_name	String	**Parameter description**: Group name. **Value range**: None.
detail_url	String	**Parameter description**: Address of the details page. **Value range**: None.
current_system_time	Long	**Parameter description**: Current system time. **Value range**: None.

Table 4-57 StageRun

Parameter	Type	Description
id	String	**Definition:** Stage ID. **Value range**: The value consists of 32 characters, including digits and letters.
category	String	**Parameter description**: Stage type. **Value range**: None.

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Parameter	Type	Description
name	String	**Parameter description**: Stage name. **Value range**: Enter only letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), parentheses (), and spaces. The name cannot start or end with a space, and the length is 1128 characters.
identifier	String	**Parameter description**: Unique identifier of a stage. **Value range**: None.
run_always	Boolean	**Definition:** Whether to always run. **Value range**: • **true**: always run. • **false**: not always run.
parallel	String	**Parameter description**: Whether to execute jobs in parallel. **Value range**: None.
is_select	Boolean	**Definition:** Selected or not. **Value range**: • **true**: selected. • **false**: not selected.
sequence	Integer	**Parameter description**: Serial number. **Value range**: No less than **0**.
depends_on	Array of strings	**Definition:** Identifier of the dependency stage. **Value range**: N/A

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Parameter	Type	Description
condition	String	**Parameter description**: Running conditions. **Value range**: None.
status	String	**Definition:** Status. **Value range**: • **INIT**: The stage is being initialized. • **QUEUED**: The stage is queuing. • **RUNNING**: The stage is running. • **CANCELED**: The stage is canceled. • **COMPLETED**: The stage is completed. • **FAILED**: The stage is failed. • **SKIPPED**: The stage is skipped. • **IGNORED**: The stage is ignored. • **PAUSED**: The stage is paused. • **SUSPEND**: The stage is suspended. • **ASYNC_RUNNING**: The stage is running asynchronously. • **ASYNC_FAILED**: The pipeline failed during asynchronous execution. • **UNSELECTED**: The stage is unselected. • **REDISPATCH**: The stage is rescheduled.
start_time	Long	**Definition:** Stage start time. **Value range**: N/A
end_time	Long	**Definition:** Stage end time. **Value range**: N/A
pre	Array of **StepRun** objects	**Parameter description**: Stage entry. **Value range**: None.

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Parameter	Type	Description
post	Array of **StepRun** objects	**Parameter description**: Stage exit. **Value range**: None.
jobs	Array of **JobRun** objects	**Definition:** Jobs. **Value range**: N/A

Table 4-58 JobRun

Parameter	Type	Description
id	String	**Parameter description**: Job ID. **Value range**: None.
category	String	**Parameter description**: Job type. **Value range**: None.
sequence	Integer	**Parameter description**: Serial number. **Value range**: None.
async	String	**Definition:** Asynchronous or not. **Value range**: • **true**: asynchronous. • **false**: non-asynchronous.
name	String	**Parameter description**: Job name. **Value range**: None.

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Parameter	Type	Description
identifier	String	**Parameter description**: Unique identifier of a job. **Value range**: None.
depends_on	Array of strings	**Parameter description**: Dependency. **Value range**: None.
condition	String	**Parameter description**: Running conditions. **Value range**: None.
resource	String	**Parameter description**: Execution resources. **Value range**: None.
is_select	Boolean	**Definition:** Selected or not. **Value range**: • **true**: selected. • **false**: not selected.
timeout	String	**Parameter description**: Job timeout settings. **Value range**: None.
last_dispatch_id	String	**Parameter description**: ID of the job delivered last time. **Value range**: None.

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Parameter	Type	Description
status	String	**Definition:** Status. **Value range**: • **INIT**: The stage is being initialized. • **QUEUED**: The stage is queuing. • **RUNNING**: The stage is running. • **CANCELED**: The stage is canceled. • **COMPLETED**: The stage is completed. • **FAILED**: The stage is failed. • **SKIPPED**: The stage is skipped. • **IGNORED**: The stage is ignored. • **PAUSED**: The stage is paused. • **SUSPEND**: The stage is suspended. • **ASYNC_RUNNING**: The stage is running asynchronously. • **ASYNC_FAILED**: The pipeline failed during asynchronous execution. • **UNSELECTED**: The stage is unselected. • **REDISPATCH**: The job is rescheduled.
message	String	**Parameter description**: Error message. **Value range**: None.
start_time	Long	**Definition:** Job start time. **Value range**: N/A
end_time	Long	**Definition:** Job end time. **Value range**: N/A
steps	Array of **StepRun** objects	**Parameter description**: Step. **Value range**: None.

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Parameter	Type	Description
exec_id	String	**Parameter description**: Job execution ID. **Value range**: None.

Table 4-59 StepRun

Parameter	Type	Description
name	String	**Parameter description**: Step name. **Value range**: None.
task	String	**Parameter description**: Step extension name. **Value range**: None.
business_type	String	**Definition:** Extension type. **Value range**: • **Normal**. • **Build**. • **Test**. • **Check**. • **Deploy**.
inputs	Array of **inputs** objects	**Parameter description**: Enter a parameter. **Value range**: None.
sequence	Integer	**Parameter description**: Serial number. **Value range**: None.
official_task_version	String	**Parameter description**: Official extension version. **Value range**: None.

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Parameter	Type	Description
identifier	String	**Parameter description**: Unique identifier. **Value range**: None.
multi_step_editable	Integer	**Definition:** Editable parameter or not. **Value range**: • **true**: editable. • **false**: not editable.
id	String	**Definition:** Step ID. **Value range**: The value consists of 32 characters, including digits and letters.
endpoint_ids	Array of strings	**Parameter description**: Endpoint ID list. **Value range**: None.
last_dispatch_id	String	**Definition:** ID of the last delivered task. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Status. **Value range**: • **RUNNING**: Running. • **CANCELED**: The stage is canceled. • **COMPLETED**: The stage is completed. • **FAILED**: Failed.
message	String	**Parameter description**: Error message. **Value range**: None.

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Parameter	Type	Description
start_time	Long	**Definition:** Step start time. **Value range**: N/A
end_time	Long	**Definition:** Step end time. **Value range**: N/A

Table 4-60 env

Parameter	Type	Description
key	String	**Definition**: Environment input parameter name. **Value range**: N/A
value	Object	**Definition**: Environment input parameter value. **Value range**: N/A

Table 4-61 inputs

Parameter	Type	Description
key	String	**Parameter description**: Enter the parameter name. **Value range**: None.
value	Object	**Parameter description**: Enter the parameter value. **Value range**: None.

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Table 4-62 RunPipelineSource

Parameter	Type	Description
type	String	**Parameter description**: Source type. **Value range**: Currently, the **code** type is supported.
params	**params** object	**Parameter description**: Code source parameters. **Value range**: N/A

Table 4-63 params

Parameter	Type	Description
git_type	String	**Definition** Code repository type. **Range** • **codehub** • gitee • github • gitcode • gitlab • **git**
git_url	String	**Parameter description**: HTTPS address of the code repository. **Value range**: None.
ssh_git_url	String	**Parameter description**: SSH address of the code repository. **Value range**: None.
web_url	String	**Parameter description**: Address of the code repository page. **Value range**: None.

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Parameter	Type	Description
repo_name	String	**Parameter description**: Code repository name. **Value range**: None.
default_branch	String	**Parameter description**: Default branch. **Value range**: None.
endpoint_id	String	**Parameter description**: Endpoint ID. **Value range**: None.
codehub_id	String	**Parameter description**: Repo code repository ID. **Value range**: None.
alias	String	**Parameter description**: Code repository alias. **Value range**: None.
show_group_name	String	**Definition**: Group name. **Value range**: N/A
human_name	String	**Definition**: Code repository alias. **Value range**: N/A
workspace_id	String	**Definition**: Workspace ID. **Value range**: N/A
workspace_name	String	**Definition**: Workspace name. **Value range**: N/A

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Parameter	Type	Description
repo_project_id	String	**Definition**: Repository project ID. **Value range**: N/A
build_params	**build_params** object	**Parameter description**: Build parameters. **Value range**: N/A

Table 4-64 build_params

Parameter	Type	Description
action	String	**Definition:** Merge request type. **Value range**: • **open**: The merge request is opened. • **reopen**: The merge request is reopened. • **update**: The merge request is updated. • **merge**: The merge request is merged.
build_type	String	**Definition:** Triggered by a branch or a tag. **Value range**: • **branch**: triggered by a branch. • **tag**: triggered by a tag.
commit_id	String	**Parameter description**: Code repository commit ID. **Value range**: None.

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Parameter	Type	Description
event_type	String	**Definition** Trigger method **Range** • **Manual**: triggered manually • **Scheduler**: triggered by a scheduled task • **MR**: triggered by an MR • **Push**: triggered by a push event • **CreateTag**: triggered by a tag • **Issue**: triggered by an issue • **Note**: triggered by a note
merge_id	String	**Parameter description**: Merge request ID. **Value range**: None.
message	String	**Parameter description**: Code commit message. **Value range**: None.
source_branch	String	**Parameter description**: Source branch. **Value range**: None.
tag	String	**Parameter description**: Tag. **Value range**: None.
target_branch	String	**Parameter description**: Target branch. **Value range**: None.
codehub_id	String	**Parameter description**: Repo code repository ID. **Value range**: None.

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Parameter	Type	Description
source_codehub_id	String	**Parameter description**: ID of the source Repo code repository. **Value range**: None.
source_codehub_url	String	**Parameter description**: Address of the source Repo code repository. **Value range**: None.
source_codehub_http_url	String	**Parameter description**: HTTP address of the source Repo code repository. **Value range**: None.
only_code_update	Boolean	**Definition** Whether to update only the code. This parameter is valid only when **action** is set to **update**. In this case, the value must be **true** or **false**. **Range** • **true**: Only the code is updated. • **false**: The code is not updated.
merge_request_iid	String	**Definition**: Merge request ID of the code repository. **Value range**: N/A
merge_request_url	String	**Definition**: Merge request URL of the code repository. **Value range**: N/A
target_codehub_id	String	**Definition**: ID of the target Repo code repository. **Value range**: N/A

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Parameter	Type	Description
target_codehub_url	String	**Definition**: Address of the target Repo code repository. **Value range**: N/A
target_codehub_http_url	String	**Definition**: HTTP address of the target Repo code repository. **Value range**: N/A

Table 4-65 PackageInfo

Parameter	Type	Description
name	String	**Parameter description**: Artifact name. **Value range**: None.
packageType	String	**Parameter description**: Artifact type. **Value range**: None.
version	String	**Parameter description**: Artifact version number. **Value range**: None.
downloadUrl	String	**Parameter description**: Artifact download address. **Value range**: None.

Example Requests

```
GET https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/
e5460d1d403146a1935c2d4b68ef506c/pipeline-runs/detail
```

Example Responses

Status code: 200

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```
{
  "id" : "25adfa6784124cfc9b9274ceaecf9957",
  "pipeline_id" : "98b6ea1536374df883bcc3b129bca4e9",
  "manifest_version" : "3.0",
  "name" : "Sub-pipeline qqq",
  "description" : null,
  "is_publish" : false,
  "executor_id" : "847a5317086c41798469d0868535943a",
  "executor_name" : "Beta environment account",
  "status" : "COMPLETED",
  "trigger_type" : "Manual",
  "run_number" : 1,
  "start_time" : 1674207197000,
  "end_time" : 1674207197000,
  "stages" : [ {
    "id" : "aac8063fbf084eec9722c77ece6dd283",
    "category" : null,
    "name" : "Phase_1",
    "identifier" : "0",
    "run_always" : false,
    "parallel" : null,
    "is_select" : true,
    "sequence" : 0,
    "depends_on" : [ ],
    "condition" : null,
    "status" : "COMPLETED",
    "start_time" : 1674207197000,
    "end_time" : 1674207197000,
    "pre" : [ {
      "name" : null,
      "task" : "official_devcloud_autoTrigger",
      "business_type" : null,
      "inputs" : null,
      "sequence" : 0,
      "official_task_version" : null,
      "identifier" : null,
      "multi_step_editable" : 0,
      "id" : "5a03bdb6ad2848ac972ba21744627a8c",
      "endpoint_ids" : null,
      "last_dispatch_id" : "6b3fa4c664844f33abc02053ddd76f62",
      "status" : "COMPLETED",
      "message" : null,
      "start_time" : 1674207197000,
      "end_time" : 1674207197000
    } ],
    "post" : [ ],
    "jobs" : [ {
      "id" : "1cde6a3815164cd18d0fa4038f876e46",
      "category" : null,
      "sequence" : 0,
      "async" : null,
      "name" : "Creating a Job",
      "identifier" : "1674207161661b4a41d77-a478-4538-870b-ffb589c1af06",
      "depends_on" : [ ],
      "condition" : null,
      "resource" : null,
      "is_select" : true,
      "timeout" : "",
      "last_dispatch_id" : null,
      "status" : "COMPLETED",
      "message" : "not found steps",
      "start_time" : 1674207197000,
      "end_time" : 1674207197000,
      "steps" : [ ]
    } ]
  } ],
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "6428c2e2b4b64affa14ec80896695c49",
  "region" : "{region}",
```

```
 "component_id" : "",
 "language" : "zh-cn",
 "sources" : [ {
  "type" : "code",
  "params" : {
   "git_type" : "codehub",
   "git_url" : "https://example.com/clsyz00001/aaaaa.git",
   "ssh_git_url" : "git@example.com:clsyz00001/aaaaa.git",
   "web_url" : "",
   "repo_name" : "aaaaa",
   "default_branch" : "master",
   "endpoint_id" : "",
   "codehub_id" : "2111677704",
   "alias" : "",
   "build_params" : {
    "action" : null,
    "build_type" : "branch",
    "commit_id" : "990ea057751d299f5575aac25bf97e88a60b461e",
    "event_type" : "Manual",
    "merge_id" : null,
    "message" : "Creating a Dockerfile",
    "source_branch" : null,
    "tag" : null,
    "target_branch" : "master",
    "codehub_id" : "2111677704"
   }
  }
 } ],
 "artifacts" : null,
 "subject_id" : "25adfa6784124cfc9b9274ceaecf9957"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowPipelineRunDetailSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
```

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```
                .build();
        ShowPipelineRunDetailRequest request = new ShowPipelineRunDetailRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        try {
            ShowPipelineRunDetailResponse response = client.showPipelineRunDetail(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPipelineRunDetailRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        response = client.show_pipeline_run_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"
```

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```
)

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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPipelineRunDetailRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    response, err := client.ShowPipelineRunDetail(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
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.2.4 Obtaining Pipeline List/Pipeline Execution Status in a Project

Function

This API is used to obtain pipeline list and pipeline execution status in a project.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/list

Table 4-66 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-67 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-68 Request body parameters

Parameter	Mandatory	Type	Description
project_id	No	String	**Definition:** CodeArts project ID. **Constraints**: N/A **Value range**: Each ID consists of 32 characters, including digits and letters. **Default value**: N/A
project_ids	No	Array of strings	**Definition:** CodeArts project IDs. **Constraints**: N/A **Value range**: Each ID consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
component_id	No	String	**Definition** Microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** 32 characters. **Default Value** N/A
name	No	String	**Parameter description**: Pipeline name. Fuzzy search is supported. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
status	No	Array of strings	**Definition:** Pipeline status list. **Constraints**: N/A **Value range**: • **COMPLETED**: The instance is completed. • **RUNNING**: The instance is running. • **FAILED**: The instance failed. • **CANCELED**: The instance is canceled. • **PAUSED**: The instance is paused. • **SUSPEND**: The instance is suspended. • **IGNORED**: The pipeline is ignored. **Default value**: N/A
is_publish	No	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Constraints**: N/A **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline. **Default value**: N/A

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Parameter	Mandatory	Type	Description
creator_id	No	String	**Definition:** Creator ID, that is, the user ID. **Constraints**: N/A **Value range**: Each ID contains 32 characters. **Default value**: N/A
creator_ids	No	Array of strings	**Parameter description**: Creator ID list. **Constraints**: None. **Value range**: Each ID contains 32 characters. **Default value**: None.
executor_ids	No	Array of strings	**Parameter description**: Executor ID list. **Constraints**: None. **Value range**: Each ID contains 32 characters. **Default value**: None.
start_time	No	String	**Definition:** Pipeline start time. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
end_time	No	String	**Definition:** Pipeline end time. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
offset	No	Long	**Parameter description**: Initial offset. **Constraints**: None. **Value range**: None. **Default value**: None.
limit	No	Long	**Parameter description**: Number of records to be queried. **Constraints**: None. **Value range**: None. **Default value**: None.
sort_key	No	String	**Definition:** Sorting field. **Constraints**: N/A **Value range**: • **name**: pipeline name. • **create_time**: creation time. • **update_time**: update time. **Default value**: N/A

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Parameter	Mandatory	Type	Description
sort_dir	No	String	**Definition:** Sorting rule. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A
group_path_id	No	String	**Parameter description**: Pipeline group ID. **Constraints**: None. **Value range**: None. **Default value**: None.
by_group	No	Boolean	**Definition:** Whether to query by group. **Constraints**: N/A **Value range**: • **true**: The query is performed by group. • **false**: The query is not performed by group. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_banned	No	Boolean	**Definition:** Whether to include disabled pipelines. **Constraints**: N/A **Value range**: • **true**: Disabled pipelines are included. • **false**: Disabled pipelines are not included. **Default value**: N/A
query_new	No	Boolean	**Definition:** Whether to query only pipelines of the new version. **Constraints**: N/A **Value range**: • **true**: Only pipelines of the new version are queried. • **false**: Pipelines of the new and the old version are queried. **Default value**: **true**.

Response Parameters

Status code: 200

Table 4-69 Response body parameters

Parameter	Type	Description
offset	Integer	**Parameter description**: Initial offset. **Value range**: None.

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Parameter	Type	Description
limit	Integer	**Parameter description**: Number of queried records. **Value range**: None.
total	Integer	**Parameter description**: Total number of records. **Value range**: None.
pipelines	Array of **pipelines** objects	**Parameter description**: Pipeline. **Value range**: None.

Table 4-70 pipelines

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.
name	String	**Parameter description**: Pipeline name. **Value range**: The value can contain only letters, digits, hyphens (-), and underscores (_). The length is 1128 characters.
project_id	String	**Parameter description**: Project ID. **Value range**: 32 characters, including only digits and letters.

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Parameter	Type	Description
project_name	String	**Parameter description**: Project name. **Value range**: None.
component_id	String	**Parameter description**: Component ID. **Value range**: None.
is_publish	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline.
is_collect	Boolean	**Definition:** Whether to add the pipeline to favorites. **Value range**: • **true**: The pipeline has been added to favorites. • **false**: The pipeline is not added to favorites.
manifest_version	String	**Parameter description**: Pipeline version. **Value range**: The default value is **3.0**.
create_time	Long	**Parameter description**: Creation time. **Value range**: None.
latest_run	**latest_run** object	**Parameter description**: Latest running information. **Value range**: None.

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Parameter	Type	Description
convert_sign	Integer	**Parameter description**: Sign of converting an old version to a new version. **Value range**: None.

Table 4-71 latest_run

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: N/A
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: N/A
executor_id	String	**Parameter description**: Executor ID. **Value range**: None.
executor_name	String	**Parameter description**: Executor name. **Value range**: None.
stage_status_list	Array of **stage_status_list** objects	**Definition:** Stage information list. **Value range**: N/A

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Parameter	Type	Description
status	String	**Definition:** Pipeline run status. **Value range**: • **COMPLETED**: The instance is completed. • **RUNNING**: The instance is running. • **FAILED**: The instance failed. • **CANCELED**: The instance is canceled. • **PAUSED**: The instance is paused. • **SUSPEND**: The instance is suspended. • **IGNORED**: The instance is ignored.
run_number	Integer	**Parameter description**: Pipeline running sequence number. **Value range**: No less than **1**.
trigger_type	String	**Definition** Trigger type. **Range** • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment.
build_params	**build_params** object	**Parameter description**: Build parameters. **Value range**: None.
artifact_params	**artifact_params** object	**Parameter description**: Artifact parameters. **Value range**: None.

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Parameter	Type	Description
start_time	Long	**Definition:** Pipeline start time. **Value range**: N/A
end_time	Long	**Definition:** Pipeline end time. **Value range**: N/A
modify_url	String	**Parameter description**: Address of the editing page. **Value range**: None.
detail_url	String	**Parameter description**: Address of the details page. **Value range**: None.

Table 4-72 stage_status_list

Parameter	Type	Description
name	String	**Parameter description**: Stage name. **Value range**: Enter only letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), parentheses (), and spaces. The name cannot start or end with a space, and the length is 1128 characters.
sequence	Integer	**Parameter description**: Stage sequence number. The value **0** indicates the first pipeline stage. **Value range**: No less than **0**.

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Parameter	Type	Description
status	String	**Definition:** Pipeline stage status. **Value range**: • **INIT**: The stage is being initialized. • **QUEUED**: The stage is queuing. • **RUNNING**: The stage is running. • **CANCELED**: The stage is canceled. • **COMPLETED**: The stage is completed. • **FAILED**: The stage is failed. • **SKIPPED**: The stage is skipped. • **IGNORED**: The stage is ignored. • **PAUSED**: The stage is paused. • **SUSPEND**: The stage is suspended. • **ASYNC_RUNNING**: The stage is running asynchronously. • **ASYNC_FAILED**: The stage failed during asynchronous execution. • **UNSELECTED**: The stage is unselected. • **REDISPATCH**: The stage is rescheduled.
start_time	String	**Parameter description**: Stage start time. **Value range**: None.
end_time	String	**Parameter description**: Stage end time. **Value range**: None.
id	String	**Parameter description**: Stage ID. **Value range**: None.

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Table 4-73 job_status_list

Parameter	Type	Description
name	String	**Definition**: Job name. **Value range**: N/A
identifier	String	**Definition**: Job identifier. **Value range**: N/A
status	String	**Definition** Job status. **Range** **RUNNING**, **FAILED**, **COMPLETED**, **SKIPPED**, **IGNORED**, **SUSPEND**, and others

Table 4-74 build_params

Parameter	Type	Description
action	String	**Definition:** Merge request type. **Value range**: • **open**: The merge request is opened. • **reopen**: The merge request is reopened. • **update**: The merge request is updated. • **merge**: The merge request is merged.
build_type	String	**Definition:** Triggered by a branch or a tag. **Value range**: • **branch**: triggered by a branch. • **tag**: triggered by a tag.
commit_id	String	**Definition:** Code repository commit ID. **Value range**: The value contains 40 characters.

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Parameter	Type	Description
event_type	String	**Definition** Type of a running event. **Range** • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment.
merge_id	String	**Parameter description**: Merge request ID. **Value range**: None.
message	String	**Parameter description**: Code commit message. **Value range**: None.
source_branch	String	**Parameter description**: Source branch. **Value range**: None.
tag	String	**Parameter description**: Tag. **Value range**: None.
target_branch	String	**Parameter description**: Target branch. **Value range**: None.
codehub_id	String	**Parameter description**: Repo code repository ID. **Value range**: None.

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Parameter	Type	Description
git_url	String	**Parameter description**: HTTPS address of the code repository. **Value range**: None.
source_codehub_id	String	**Parameter description**: ID of the source Repo code repository. **Value range**: None.
source_codehub_url	String	**Parameter description**: Address of the source Repo code repository. **Value range**: None.
source_codehub_http_url	String	**Parameter description**: HTTP address of the source Repo code repository. **Value range**: None.
only_code_update	Boolean	**Definition** Whether to update only the code. This parameter is valid only when **action** is set to **update**. In this case, the value must be **true** or **false**. **Range** • **true**: Only the code is updated. • **false**: The code is not updated.
merge_request_iid	String	**Definition**: Merge request ID of the code repository. **Value range**: N/A
merge_request_url	String	**Definition**: Merge request URL of the code repository. **Value range**: N/A

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Parameter	Type	Description
target_codehub_id	String	**Definition**: ID of the target Repo code repository. **Value range**: N/A
target_codehub_url	String	**Definition**: Address of the target Repo code repository. **Value range**: N/A
target_codehub_http_url	String	**Definition**: HTTP address of the target Repo code repository. **Value range**: N/A
git_type	String	**Definition**: Repository type. **Value range**: N/A
repo_project_id	String	**Definition**: Repository project ID. **Value range**: N/A
human_name	String	**Definition**: Repository name. **Value range**: N/A

Table 4-75 artifact_params

Parameter	Type	Description
version	String	**Parameter description**: Package version. **Value range**: None.

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Parameter	Type	Description
branch_filter	String	**Parameter description**: Branch filter. **Value range**: None.
package_name	String	**Parameter description**: Package name. **Value range**: None.
organization	String	**Parameter description**: Docker organization. **Value range**: None.

Example Requests

This API is used to obtain the pipeline list.

Set the start offset to 0 and the number to 10.

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/list

{
  "offset" : 0,
  "limit" : 10,
  "name" : ""
}
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 1,
  "pipelines" : [ {
    "pipeline_id" : "cd65d6f2dc17493e97eb5175f872761a",
    "name" : "New Pipeline - 20230222181032",
    "project_id" : "6428c2e2b4b64affa14ec80896695c49",
    "component_id" : "7bb171e9e9fc415dbd1666ceb68668da",
    "is_publish" : true,
    "is_collect" : false,
    "manifest_version" : "3.0",
    "create_time" : 1677060662000,
    "latest_run" : {
      "pipeline_id" : "cd65d6f2dc17493e97eb5175f872761a",
      "pipeline_run_id" : "88a195482b8a48a1808e87ec21565c2f",
      "executor_id" : "847a5317086c41798469d0868535943a",
      "executor_name" : "Beta environment account",
      "stage_status_list" : [ {
        "name" : "Merge Integration Branch",
        "sequence" : 0,
        "status" : "FAILED",
```

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```
      "start_time" : "2023-02-22 18:12:25",
      "end_time" : "2023-02-22 18:12:32"
    }, {
      "name" : "Phase_1",
      "sequence" : 1,
      "status" : "INIT",
      "start_time" : null,
      "end_time" : null
    }, {
      "name" : "Combining Trunks",
      "sequence" : 1,
      "status" : "INIT",
      "start_time" : null,
      "end_time" : null
    } ],
    "status" : "FAILED",
    "run_number" : 1,
    "trigger_type" : "Manual",
    "build_params" : null,
    "artifact_params" : null,
    "start_time" : 1677060745000,
    "end_time" : 1677060752000
  }
 } ]
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to obtain the pipeline list.

Set the start offset to 0 and the number to 10.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListPipelinesSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
```

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```
        ListPipelinesRequest request = new ListPipelinesRequest();
        request.withProjectId("{project_id}");
        ListPipelineQuery body = new ListPipelineQuery();
        body.withLimit(10L);
        body.withOffset(0L);
        body.withName("");
        request.withBody(body);
        try {
            ListPipelinesResponse response = client.listPipelines(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 obtain the pipeline list.

Set the start offset to 0 and the number to 10.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPipelinesRequest()
        request.project_id = "{project_id}"
        request.body = ListPipelineQuery(
            limit=10,
            offset=0,
            name=""
        )
        response = client.list_pipelines(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

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Go

This API is used to obtain the pipeline list.

Set the start offset to 0 and the number to 10.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPipelinesRequest{}
    request.ProjectId = "{project_id}"
    limitListPipelineQuery:= int64(10)
    offsetListPipelineQuery:= int64(0)
    nameListPipelineQuery:= ""
    request.Body = &model.ListPipelineQuery{
        Limit: &limitListPipelineQuery,
        Offset: &offsetListPipelineQuery,
        Name: &nameListPipelineQuery,
    }
    response, err := client.ListPipelines(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

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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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.5 Deleting a Pipeline

Function

This API is used to delete a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v5/{project_id}/api/pipelines/{pipeline_id}

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Table 4-76 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-77 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-78 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
DELETE https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/
e5460d1d403146a1935c2d4b68ef506c
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "e5460d1d403146a1935c2d4b68ef506c"
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeletePipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeletePipelineRequest request = new DeletePipelineRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        try {
            DeletePipelineResponse response = client.deletePipeline(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

if __name__ == "__main__":
```

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```
    # 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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeletePipelineRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        response = client.delete_pipeline(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeletePipelineRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    response, err := client.DeletePipeline(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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.6 Querying Pipeline Details

Function

Querying Pipeline Details

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}

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Table 4-79 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-80 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-81 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.
name	String	**Parameter description**: Pipeline name. **Value range**: The value can contain only letters, digits, hyphens (-), and underscores (_). The length is 1128 characters.

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Parameter	Type	Description
description	String	**Parameter description**: Description of the pipeline. **Value range**: Max. 1024 characters.
manifest_version	String	**Parameter description**: Pipeline version. Default: **3.0**. **Value range**: N/A
region	String	**Definition:** Region that the current environment belongs to. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: The value consists of 32 characters, including only digits and letters.
project_id	String	**Parameter description**: Project ID. **Value range**: 32 characters, including only digits and letters.
component_id	String	**Definition** ID of the microservice to which the pipeline belongs. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Range** N/A
is_publish	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline.

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Parameter	Type	Description
creator_id	String	**Definition:** Pipeline creator ID. **Value range**: The value consists of 32 characters, including only digits and letters.
creator_name	String	**Definition:** Pipeline creator name. **Value range**: N/A
updater_id	String	**Definition:** ID of the last person who updated the pipeline. **Value range**: The value consists of 32 characters, including only digits and letters.
create_time	Long	**Definition:** Pipeline creation time. **Value range**: N/A
update_time	Long	**Definition:** Pipeline update time. **Value range**: N/A
is_collect	Boolean	**Definition:** Whether the pipeline is added to favorites by the current user. **Value range**: • **true**: The pipeline has been added to favorites. • **false**: The pipeline is not added to favorites.
sources	Array of **PipelineSource** objects	**Parameter description**: Pipeline source list. **Value range**: N/A

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Parameter	Type	Description
variables	Array of **PipelineVariable** objects	**Parameter description**: Custom pipeline parameters. **Value range**: None.
schedules	Array of **PipelineSchedule** objects	**Parameter description**: Settings of pipeline scheduled tasks. **Value range**: None.
triggers	Array of **PipelineTrigger** objects	**Parameter description**: Settings of pipeline event triggers. **Value range**: None.
group_id	String	**Parameter description**: ID of the group to which the pipeline belongs. **Value range**: None.
definition	String	**Parameter description**: Pipeline definition JSON. **Value range**: None.

Table 4-82 pacRepoRelation

Parameter	Type	Description
pipelineId	String	**Definition** Pipeline ID. **Range** The value consists of 32 characters, including digits and letters.
repo_type	String	**Definition**: Repository type. **Value range**: N/A

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Parameter	Type	Description
endpoint_id	String	**Definition** Endpoint ID. **Range** N/A
repo_url	String	**Definition** Code repository address. **Range** N/A
ref	String	**Definition**: Branch. **Value range**: N/A
file_path	String	**Definition**: Endpoint ID. **Value range**: N/A
name	String	**Definition**: Name. **Value range**: N/A

Table 4-83 PipelineSource

Parameter	Type	Description
type	String	**Parameter description**: Pipeline source type. **Value range**: N/A
params	**PipelineSourceParam** object	**Parameter description**: Pipeline source parameters. **Value range**: N/A

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Table 4-84 PipelineSourceParam

Parameter	Type	Description
alias	String	**Parameter description**: Code/Artifact source parameter – Alias of the code repository/artifact source. **Value range**: The value can contain a maximum of 128 characters, including letters, digits, and underscores (_).
git_type	String	**Definition** Type of the Git repository. **Range** • **codehub** • gitee • github • gitcode • gitlab • **git**
codehub_id	String	**Parameter description**: Repo ID. **Value range**: N/A
endpoint_id	String	**Parameter description**: Endpoint ID. **Value range**: N/A
default_branch	String	**Parameter description**: Default branch. **Value range**: N/A
git_url	String	**Parameter description**: Git URL. **Value range**: N/A
ssh_git_url	String	**Parameter description**: ssh_git URL. **Value range**: N/A

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Parameter	Type	Description
web_url	String	**Parameter description**: Web page URL. **Value range**: N/A
repo_name	String	**Parameter description**: Pipeline source name. **Value range**: N/A
artifact_type	String	**Parameter description**: Artifact source type. **Value range**: **generic** and **docker** are available.
artifact_type_name	String	**Parameter description**: Artifact source type name. **Value range**: N/A
branch_filter	String	**Parameter description**: Branch filter. **Value range**: N/A
directory	String	**Definition:** Directory where the artifact is located. **Value range**: N/A
directory_id	String	**Parameter description**: Directory ID. **Value range**: N/A
organization	String	**Parameter description**: Docker organization. **Value range**: N/A
package_name	String	**Definition:** Software package name. **Value range**: N/A

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Parameter	Type	Description
version	String	**Definition:** Artifact version. **Value range**: N/A
version_strategy	String	**Parameter description**: Policy to obtain the artifact source version. **Value range**: **latest** and **specificVersion** are available.
source_system	String	**Parameter description**: Artifact source name. **Value range**: N/A

Table 4-85 PipelineVariable

Parameter	Type	Description
name	String	**Definition:** Custom parameter name. **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported.
sequence	Integer	**Parameter description**: Sequence number. **Value range**: 1–2147483647
type	String	**Definition**: Custom parameter type. **Range**: • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter.

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Parameter	Type	Description
value	String	**Definition:** Default value of the custom parameter. **Value range**: N/A
is_secret	Boolean	**Definition:** Private parameter or not. **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private.
description	String	**Parameter description**: Custom parameter description. **Value range**: N/A
is_runtime	Boolean	**Definition:** Whether a parameter can be set at runtime. **Value range**: • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime.
limits	Array of strings	**Parameter description**: List of limited enumerated values. **Value range**: N/A
is_reset	Boolean	**Definition:** Whether an auto-increment parameter is reset. **Value range**: • **true**: The parameter is reset. • **false**: The parameter is not reset.
latest_value	String	**Parameter description**: The latest value of an auto-increment parameter. **Value range**: N/A

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Table 4-86 PipelineSchedule

Parameter	Type	Description
uuid	String	**Parameter description**: ID of a scheduled task.
type	String	**Definition**: Task type. **Range**: • **periodic**: The task is triggered periodically. • **fixed**: The task is triggered periodically within a time interval. **Default value**: N/A
name	String	**Parameter description**: Job name.
enable	Boolean	**Parameter description**: Whether to enable.
days_of_week	Array of integers	**Parameter description**: Specific execution day in a week. Sunday to Saturday: **1** to **7**.
time_zone	String	**Definition:** Time zone.

Table 4-87 PipelineTrigger

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID.
git_url	String	**Definition:** Git URL.

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Parameter	Type	Description
git_type	String	**Definition** Type of the Git repository. **Range** • **codehub** • gitee • github • gitcode • gitlab • **git**
is_auto_commit	Boolean	**Definition:** Whether to automatically commit code. This feature is only available for Gitee repositories. After a webhook triggers a pipeline, a comment is automatically added.
events	Array of **CodeEvent** objects	**Parameter description**: Trigger event list.
hook_id	String	**Parameter description**: Callback ID generated by the system.
repo_id	String	**Parameter description**: Repo repository ID.
endpoint_id	String	**Definition**: Code source endpoint ID.
callback_url	String	**Parameter description**: Callback URL, which is generated when a webhook is registered.
security_token	String	**Parameter description**: User token, which is generated when a webhook is registered.

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Table 4-88 CodeEvent

Parameter	Type	Description
type	String	**Definition** Event type. **Range** • **merge_request**: triggered by an MR. • **push**: triggered by code push. • **tag_push**: triggered by a tag. • **Issue**: triggered by a Gitee repository issue. • **Note**: triggered by a Gitee repository comment.
enable	Boolean	**Definition:** Whether the code repository is available.

Example Requests

```
GET https://{endpoint}/v5/6428c2e2b4b64affa14ec80896695c49/api/pipelines/
633839ac12a2465ba86dfc5cd212ee1a
```

Example Responses

Status code: 200


```
{
  "id" : "9777b6f14dca47ab8e411512b8301698",
  "name" : "New Pipeline - 20230222110358",
  "description" : "",
  "manifest_version" : "3.0",
  "region" : "{region}",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "f83ef803e04e4fe8834ddaf18ffd9d8f",
  "component_id" : "",
  "is_publish" : false,
  "creator_id" : "847a5317086c41798469d0868535943a",
  "creator_name" : "Beta environment account",
  "updater_id" : "847a5317086c41798469d0868535943a",
  "create_time" : 1676116509000,
  "update_time" : 1690785914000,
  "is_collect" : true,
  "sources" : [ ],
  "variables" : [ ],
  "schedules" : [ {
    "uuid" : "38e10252a4ea48c594f744bb4fc1411c",
    "type" : "fixed",
    "name" : "Scheduled task_1",
    "enable" : true,
    "days_of_week" : [ 2, 3, 4, 5, 6 ],
    "time_zone" : "China Standard Time"
  } ],
  "triggers" : [ ],
  "group_id" : null,
  "definition" : "{\"stages\":[{\"name\":\"Delayed execution of phase _1\",\"sequence\":\"0\",\"jobs\":[{\"id
```


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```
\":\"\",\"stage_id\":1677035050256,\"identifier
\":\"167703505025720bcc960-2929-457f-91e5-9099556cc478\",\"name\": \"\",\"depends_on\":[] ,\"timeout
\":\"\",\"timeout_unit\":\"\",\"steps\": [{\"name\":\"Delayed execution of \",\"task\":\"official_devcloud_delay
\",\"sequence\":0,\"inputs\":[{\"key\":\"timer_type\",\"value\":\"delay\"},{\"key\":\"delay_time\",\"value\":10},
{\"key\":\"scheduled_time\",\"value\":\"\"},{\"key\":\"time_zone\",\"value\":\"China Standard Time
\"}] ,\"business_type\":\"Normal\",\"runtime_attribution\":\"agentless\",\"identifier
\":\"1677035056887f508df54-eff9-4f47-b67d-0629917599e9\",\"multi_step_editable
\":0,\"official_task_version\":\"0.0.3\"}],\"exec_type\":\"AGENTLESS_JOB\",\"sequence\":0,\"pipeline_id
\":\"62bc8c36ab1a4ef9831df98e88c33c69\"}],\"identifier\":\"0\",\"pre\":[{\"task
\":\"official_devcloud_autoTrigger\",\"sequence\":0}],\"post\":null,\"depends_on\":[],\"run_always
\":false,\"pipeline_id\":\"62bc8c36ab1a4ef9831df98e88c33c69\"}]}"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowPipelineDetailSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPipelineDetailRequest request = new ShowPipelineDetailRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        try {
            ShowPipelineDetailResponse response = client.showPipelineDetail(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());
        }
```

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```
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPipelineDetailRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        response = client.show_pipeline_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
```

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```
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPipelineDetailRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    response, err := client.ShowPipelineDetail(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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.7 Editing a Pipeline

Function

This API is used to edit a pipeline.

Calling Method

For details, see **Calling APIs**.

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URI

PUT /v5/{project_id}/api/pipelines/{pipeline_id}

Table 4-89 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-90 Query Parameters

Parameter	Mandatory	Type	Description
component_id	No	String	**Definition** Pipeline microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** The value consists of 32 characters, including only digits and letters. **Default Value** N/A

Request Parameters

Table 4-91 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-92 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Parameter description**: Pipeline name. **Constraints**: None. **Value range**: The value can contain only letters, digits, hyphens (-), and underscores (_). The length is 1128 characters. **Default value**: None.
description	No	String	**Parameter description**: Pipeline description. **Constraints**: N/A **Value range**: Max. 1024 characters. **Default value**: N/A
is_publish	Yes	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Constraints**: N/A **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline. **Default value**: N/A

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Parameter	Mandatory	Type	Description
sources	No	Array of **CodeSource** objects	**Parameter description**: Pipeline source information. **Constraints**: None. **Value range**: None. **Default value**: None.
variables	No	Array of **CustomVariable** objects	**Parameter description**: List of custom pipeline global variables. **Constraints**: None. **Value range**: None. **Default value**: None.
schedules	No	Array of **PipelineSchedule** objects	**Parameter description**: List of pipeline scheduled execution configurations. **Constraints**: None. **Value range**: None. **Default value**: None.
triggers	No	Array of **PipelineTrigger** objects	**Parameter description**: Configurations of pipeline event triggers. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
manifest_version	No	String	**Definition:** Version of the pipeline structure definition. **Constraints**: N/A **Value range**: N/A **Default value**: **3.0**.
definition	Yes	String	**Definition**: Pipeline structure definition JSON. The structure of this field is complex. You are advised to edit the pipeline on the web UI and obtain the field from the API for **querying pipeline details**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
project_name	No	String	**Parameter description**: Project name. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
group_id	No	String	**Parameter description**: Pipeline group ID. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.
id	No	String	**Parameter description**: Pipeline group ID, which is used for the cloning scenario. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.
concurrency_control	No	**PipelineConcurrencyMgmt** object	**Definition:** Pipeline concurrency control information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-93 CodeSource

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Pipeline source type. **Constraints**: N/A **Range**: • **code**: code repository. • **artifact**: artifact repository. **Default value**: N/A
params	No	**params** object	**Parameter description**: Pipeline source parameters, including details about the pipeline source. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-94 params

Parameter	Mandatory	Type	Description
git_type	No	String	**Definition** Code repository type. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A

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Parameter	Mandatory	Type	Description
codehub_id	No	String	**Parameter description**: CodeArts Repo code repository ID. **Constraints**: None. **Value range**: None. **Default value**: None.
endpoint_id	No	String	**Parameter description**: Code source endpoint ID. **Constraints**: None. **Value range**: None. **Default value**: None.
default_branch	No	String	**Parameter description**: Default branch. **Constraints**: None. **Value range**: None. **Default value**: None.
git_url	No	String	**Parameter description**: HTTPS address of the Git repository, for example, https://example.com/CloudPipelinezycs00001/2000.git. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
ssh_git_url	No	String	**Definition** SSH Git link address. **Constraints** N/A. **Range** N/A. **Default Value** N/A.
web_url	No	String	**Parameter description**: Web page URL. **Constraints**: None. **Value range**: None. **Default value**: None.
repo_name	No	String	**Parameter description**: Pipeline source name. **Constraints**: None. **Value range**: None. **Default value**: None.
alias	No	String	**Definition:** Code repository alias. **Constraints**: N/A **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A

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Table 4-95 CustomVariable

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
name	No	String	**Definition:** Custom parameter name. **Constraints**: N/A **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A
sequence	No	Integer	**Parameter description**: Parameter sequence number, which starts from **1**. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Custom parameter type. **Constraints**: N/A **Value range**: • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter. **Default value**: N/A
value	No	String	**Parameter description**: Default value of a custom parameter. **Constraints**: None. **Value range**: Up to 8192 characters. **Default value**: None.
is_secret	No	Boolean	**Definition:** Private parameter or not. **Constraints**: N/A **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: **false**.

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Parameter	Mandatory	Type	Description
description	No	String	**Parameter description**: Parameter description. **Constraints**: None. **Value range**: Up to 1024 characters. **Default value**: None.
is_runtime	No	Boolean	**Definition:** Whether a parameter can be set at runtime. **Constraints**: N/A **Value range**: • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime. **Default value**: **false**.
limits	No	Array of objects	**Parameter description**: List of enumerated values. **Constraints**: None. **Value range**: Up to 1,024 characters. **Default value**: None.

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Parameter	Mandatory	Type	Description
is_reset	No	Boolean	**Definition:** Whether to reset. If the auto-increment parameter is edited, the edited value is used. Otherwise, the last digit increases. **Constraints**: N/A **Value range**: • **true**: Use the edited parameter value. • **false**: Use the auto-increment parameter. **Default value**: **false**.
latest_value	No	String	**Definition:** Value of the parameter in the last run. **Constraints**: N/A **Value range**: Max. 8,192 characters. **Default value**: N/A
runtime_value	No	String	**Definition** Runtime input value. **Constraints** N/A **Range** N/A **Default Value** N/A

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Table 4-96 PipelineSchedule

Parameter	Mandatory	Type	Description
uuid	No	String	**Parameter description**: ID of a scheduled task. **Constraints**: None. **Value range**: None. **Default value**: None.
type	No	String	**Definition**: Task type. **Constraints**: N/A **Range**: • **periodic**: The task is triggered periodically. • **fixed**: The task is triggered periodically within a time interval. **Default value**: N/A
name	No	String	**Parameter description**: Job name. **Constraints**: None. **Value range**: None. **Default value**: None.
enable	No	Boolean	**Parameter description**: Whether to enable. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
days_of_week	No	Array of integers	**Parameter description**: Specific execution day in a week. Sunday to Saturday: **1** to **7**. **Constraints**: N/A. **Value Range**: N/A. **Default value**: N/A.
time_zone	No	String	**Definition:** Time zone. **Constraints**: N/A **Value range**: ● "China Standard Time". ● "GMT Standard Time". ● "South Africa Standard Time". ● "Russian Standard Time". ● "SE Asia Standard Time". ● "Singapore Standard Time". ● "Pacific SA Standard Time". ● "E. South America Standard Time". ● "Central Standard Time (Mexico)". ● "Egypt Standard Time". ● "Saudi Arabia Standard Time". **Default value**: N/A

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Table 4-97 PipelineTrigger

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
git_url	No	String	**Definition:** Git URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
git_type	No	String	**Definition** Type of the Git repository. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A

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Parameter	Mandatory	Type	Description
is_auto_commit	No	Boolean	**Definition:** Whether to automatically commit code. This feature is only available for Gitee repositories. After a webhook triggers a pipeline, a comment is automatically added. **Constraints**: N/A **Value range**: • **true**: The code is automatically committed. • **false**: The code is not automatically committed. **Default value**: N/A
events	No	Array of **CodeEvent** objects	**Parameter description**: Trigger event list. **Constraints**: None. **Value range**: None. **Default value**: None.
hook_id	No	String	**Parameter description**: Callback ID generated by the system. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
repo_id	No	String	**Parameter description**: Repo repository ID. **Constraints**: None. **Value range**: None. **Default value**: None.
endpoint_id	No	String	**Definition**: Code source endpoint ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
callback_url	No	String	**Parameter description**: Callback URL, which is generated when a webhook is registered. **Constraints**: None. **Value range**: None. **Default value**: None.
security_token	No	String	**Parameter description**: User token, which is generated when a webhook is registered. **Constraints**: None. **Value range**: None. **Default value**: None.

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Table 4-98 CodeEvent

Parameter	Mandatory	Type	Description
type	No	String	**Definition** Event type. **Constraints** N/A **Range** • **merge_request**: triggered by an MR. • **push**: triggered by code push. • **tag_push**: triggered by a tag. • **Issue**: triggered by a Gitee repository issue. • **Note**: triggered by a Gitee repository comment. **Default Value** N/A
enable	No	Boolean	**Definition:** Whether the code repository is available. **Constraints**: N/A **Value range**: • **true**: The code repository is available. • **false**: The code repository is unavailable. **Default value**: N/A

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Table 4-99 PipelineConcurrencyMgmt

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: 32 characters. **Default value**: N/A
concurrency_number	No	Integer	**Definition** Number of concurrent pipeline executionsNumber of concurrent pipeline executions. It is limited by the package and purchased concurrent executions. **Constraints** N/A **Range** N/A **Default Value** N/A
exceed_action	No	String	**Definition:** Policy when the number of concurrent requests exceeds the upper limit. **Constraints**: N/A **Value range**: • **ABORT**: Ignore the request. • **QUEUE**: Wait in a queue. **Default value**: N/A

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Parameter	Mandatory	Type	Description
create_time	No	Long	**Parameter description**: Creation time. **Constraints**: None. **Value range**: None. **Default value**: None.
update_time	No	Long	**Parameter description**: Update time. **Constraints**: None. **Value range**: None. **Default value**: None.
enable	No	Boolean	**Definition:** Whether to enable the rule. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-100 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
PUT https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipelines/
dab5232b7b354b6db37e695690218c9b

{
  "id" : "c0473f77481c4a12b254012876df71b6",
  "name" : "NewPipeline-20240202101359",
  "description" : null,
  "manifest_version" : 3.0,
  "is_publish" : false,
  "sources" : [ ],
  "variables" : [ ],
  "schedules" : null,
  "triggers" : [ ],
  "project_name" : null,
  "group_id" : null,
  "concurrency_control" : {
    "pipeline_id" : null,
    "concurrency_number" : 5,
    "exceed_action" : "ABORT",
    "create_time" : null,
    "update_time" : null,
    "enable" : false
  },
  "definition" : "{\"stages\":[{\"name\":\"Stage_1\",\"sequence\":\"0\",\"jobs\":[{\"id\":\"\",\"stage_id
\":1706840051315,\"identifier\":\"JOB_HwdAJ\",\"name\":\"Subpipeline\",\"depends_on\":[],\"timeout
\":\"\",\"timeout_unit\":\"\",\"steps\":[{\"name\":\"Subpipeline\",\"task\":\"official_devcloud_subPipeline
\",\"sequence\":0,\"inputs\":[{\"key\":\"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID\",\"value
\":\"dab5232b7b354b6db37e695690218c9b\"},{\"key\":\"_OFFICIAL_DEVCLOUD_JOB_NAME_\",\"value
\":\"NewPipeline-blank\"},{\"key\":\"_OFFICIAL_DEVCLOUD_JOB_VERSION_\",\"value
\":\"3.0\"}],\"business_type\":\"Normal\",\"runtime_attribution\":\"agent\",\"identifier
\":\"1706840079615af0c7bda-8885-4c31-b9e8-1b393b5b0e97\",\"multi_step_editable
\":0,\"official_task_version\":\"0.0.18\",\"endpoint_ids\":[]}],\"resource\":\"{\\\"type\\\":\\\"system\\\",\\\"arch
\\\":\\\"x86\\\"}\",\"condition\":\"${{ default() }}\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence
\":0,\"pipeline_id\":\"c0473f77481c4a12b254012876df71b6\"}],\"identifier\":\"1706840051315bca51592-
c211-49fe-ab76-bcf86f5efa84\",\"pre\":[{\"task\":\"official_devcloud_autoTrigger\",\"sequence\":0}],\"post
\":null,\"depends_on\":[],\"run_always\":false,\"pipeline_id\":\"c0473f77481c4a12b254012876df71b6\"}]}"
}
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "8bfbd69eac154a0da341705a36294aca"
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class UpdatePipelineInfoSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdatePipelineInfoRequest request = new UpdatePipelineInfoRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        PipelineDTO body = new PipelineDTO();
        PipelineConcurrencyMgmt concurrencyControlbody = new PipelineConcurrencyMgmt();
        concurrencyControlbody.withConcurrencyNumber(5)
            .withExceedAction("ABORT")
            .withEnable(false);
        body.withConcurrencyControl(concurrencyControlbody);
        body.withId("c0473f77481c4a12b254012876df71b6");
        body.withDefinition("{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"id":"","stage_id":1706840051315,"identifier":"JOB_HwdAJ","name":"Subpipeline","depends_on":
[],"timeout":"","timeout_unit":"","steps":
[{"name":"Subpipeline","task":"official_devcloud_subPipeline","sequence":0,"inputs":
[{"key":"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID","value":"dab5232b7b354b6db37e695690218c9b"},
{"key":"_OFFICIAL_DEVCLOUD_JOB_NAME_","value":"NewPipeline-blank"},
{"key":"_OFFICIAL_DEVCLOUD_JOB_VERSION_","value":"3.0"}],"business_type":"Normal","runtime_attributio
n":"agent","identifier":"1706840079615af0c7bda-8885-4c31-
b9e8-1b393b5b0e97","multi_step_editable":0,"official_task_version":"0.0.18","endpoint_ids":
[]}],"resource":"{\"type\":\"system\",\"arch\":\"x86\"}","condition":"$
{{ default() }}","exec_type":"OCTOPUS_JOB","sequence":0,"pipeline_id":"c0473f77481c4a12b254012876df71
b6"}],"identifier":"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":
[],"run_always":false,"pipeline_id":"c0473f77481c4a12b254012876df71b6"}]}");
        body.withManifestVersion("3.0");
        body.withIsPublish(false);
        body.withName("NewPipeline-20240202101359");
        request.withBody(body);
        try {
            UpdatePipelineInfoResponse response = client.updatePipelineInfo(request);
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdatePipelineInfoRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        concurrencyControlbody = PipelineConcurrencyMgmt(
            concurrency_number=5,
            exceed_action="ABORT",
            enable=False
        )
        request.body = PipelineDTO(
            concurrency_control=concurrencyControlbody,
            id="c0473f77481c4a12b254012876df71b6",
            definition="{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"id":"","stage_id":1706840051315,"identifier":"JOB_HwdAJ","name":"Subpipeline","depends_on":
[],"timeout":"","timeout_unit":"","steps":
[{"name":"Subpipeline","task":"official_devcloud_subPipeline","sequence":0,"inputs":
[{"key":"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID","value":"dab5232b7b354b6db37e695690218c9b"},
{"key":"_OFFICIAL_DEVCLOUD_JOB_NAME_","value":"NewPipeline-blank"},
{"key":"_OFFICIAL_DEVCLOUD_JOB_VERSION_","value":"3.0"}],"business_type":"Normal","runtime_attributio
n":"agent","identifier":"1706840079615af0c7bda-8885-4c31-
b9e8-1b393b5b0e97","multi_step_editable":0,"official_task_version":"0.0.18","endpoint_ids":
[]}],"resource":"{\"type\":\"system\",\"arch\":\"x86\"}","condition":"$
{{ default() }}","exec_type":"OCTOPUS_JOB","sequence":0,"pipeline_id":"c0473f77481c4a12b254012876df71
b6"}],"identifier":"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":
[],"run_always":false,"pipeline_id":"c0473f77481c4a12b254012876df71b6"}]}",
            manifest_version="3.0",
            is_publish=False,
```

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```
            name="NewPipeline-20240202101359"
        )
        response = client.update_pipeline_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdatePipelineInfoRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    concurrencyNumberConcurrencyControl:= int32(5)
    exceedActionConcurrencyControl:= "ABORT"
    enableConcurrencyControl:= false
    concurrencyControlbody := &model.PipelineConcurrencyMgmt{
        ConcurrencyNumber: &concurrencyNumberConcurrencyControl,
        ExceedAction: &exceedActionConcurrencyControl,
        Enable: &enableConcurrencyControl,
    }
    idPipelineDto:= "c0473f77481c4a12b254012876df71b6"
    manifestVersionPipelineDto:= "3.0"
    request.Body = &model.PipelineDto{
        ConcurrencyControl: concurrencyControlbody,
```

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```
        Id: &idPipelineDto,
        Definition: "{"stages":[{"name":"Stage_1","sequence":"0","jobs":
[{"id":"","stage_id":1706840051315,"identifier":"JOB_HwdAJ","name":"Subpipeline","depends_on":
[],"timeout":"","timeout_unit":"","steps":
[{"name":"Subpipeline","task":"official_devcloud_subPipeline","sequence":0,"inputs":
[{"key":"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID","value":"dab5232b7b354b6db37e695690218c9b"},
{"key":"_OFFICIAL_DEVCLOUD_JOB_NAME_","value":"NewPipeline-blank"},
{"key":"_OFFICIAL_DEVCLOUD_JOB_VERSION_","value":"3.0"}],"business_type":"Normal","runtime_attributio
n":"agent","identifier":"1706840079615af0c7bda-8885-4c31-
b9e8-1b393b5b0e97","multi_step_editable":0,"official_task_version":"0.0.18","endpoint_ids":
[]}],"resource":"{\"type\":\"system\",\"arch\":\"x86\"}","condition":"$
{{ default() }}","exec_type":"OCTOPUS_JOB","sequence":0,"pipeline_id":"c0473f77481c4a12b254012876df71
b6"}],"identifier":"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84","pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":null,"depends_on":
[],"run_always":false,"pipeline_id":"c0473f77481c4a12b254012876df71b6"}]}",
        ManifestVersion: &manifestVersionPipelineDto,
        IsPublish: false,
        Name: "NewPipeline-20240202101359",
    }
    response, err := client.UpdatePipelineInfo(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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.8 Stopping a Pipeline

Function

This API is used to stop a pipeline.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/stop

Table 4-101 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-102 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-103 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/93d8e0553c20411fba06bb112b5b59af/api/pipelines/
794514e0a3184e5db0a4740112deee0f/pipeline-runs/de6c9098f45a4ac58a6efc9c1b81df82/stop
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class StopPipelineRunSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
```

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```
        StopPipelineRunRequest request = new StopPipelineRunRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            StopPipelineRunResponse response = client.stopPipelineRun(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = StopPipelineRunRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.stop_pipeline_run(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
```

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```
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.StopPipelineRunRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.StopPipelineRun(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
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.2.9 Obtaining Pipeline Execution Records

Function

This API is used to obtain pipeline execution records.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/list

Table 4-104 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-105 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-106 Request body parameters

Parameter	Mandatory	Type	Description
status	No	Array of strings	**Definition:** Pipeline status list. **Constraints**: N/A **Value range**: • **COMPLETED**: The instance is completed. • **RUNNING**: The instance is running. • **FAILED**: The instance failed. • **CANCELED**: The instance is canceled. • **PAUSED**: The instance is paused. • **SUSPEND**: The instance is suspended. • **IGNORED**: The pipeline is ignored. **Default value**: N/A

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Parameter	Mandatory	Type	Description
start_time	No	String	**Definition:** Pipeline start time. **Constraints**: N/A **Value range**: The value can be a timestamp or in the YYYY-MM-DD HH:MM:SS format. **Default value**: N/A
end_time	No	String	**Definition:** Pipeline end time. **Constraints**: N/A **Value range**: The value can be a timestamp or in the YYYY-MM-DD HH:MM:SS format. **Default value**: N/A
update_time	No	String	**Definition** Pipeline update time. **Constraints** N/A **Range** The value can be a timestamp or in the yyyy-MM-dd HH:mm:ss format. **Default Value** N/A
offset	No	Long	**Parameter description**: Initial offset. **Constraints**: None. **Value range**: No less than **0**. **Default value**: None.

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Parameter	Mandatory	Type	Description
limit	No	Long	**Parameter description**: Number of records to be queried. **Constraints**: N/A **Value range**: No less than 0. **Default value**: N/A
sort_key	No	String	**Definition**: Sorting field. **Constraints**: N/A **Range**: • **start_time**: pipeline start time. • **end_time**: pipeline end time. **Default value**: N/A
sort_dir	No	String	**Definition:** Sorting rule. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-107 Response body parameters

Parameter	Type	Description
offset	Integer	**Parameter description**: Initial offset. **Value range**: None.
limit	Integer	**Parameter description**: Number of queried records. **Value range**: None.
total	Integer	**Parameter description**: Total number of execution records. **Value range**: None.
pipeline_runs	Array of **pipeline_runs** objects	**Parameter description**: Pipeline running information list. **Value range**: None.

Table 4-108 pipeline_runs

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

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Parameter	Type	Description
executor_id	String	**Parameter description**: Executor ID. **Value range**: 32 characters, including only digits and letters.
executor_name	String	**Parameter description**: Executor name. **Value range**: None.
stage_status_list	Array of **stage_status_list** objects	**Parameter description**: Stage information list. **Value range**: None.
status	String	**Definition:** Pipeline run status. **Value range**: • **COMPLETED**: The instance is completed. • **RUNNING**: The instance is running. • **FAILED**: The instance failed. • **CANCELED**: The instance is canceled. • **PAUSED**: The instance is paused. • **SUSPEND**: The instance is suspended. • **IGNORED**: The instance is ignored.
run_number	Integer	**Parameter description**: Pipeline running sequence number. **Value range**: No less than **1**.

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Parameter	Type	Description
trigger_type	String	**Definition** Trigger type. **Range** • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment.
build_params	**build_params** object	**Parameter description**: Build parameters. **Value range**: None.
artifact_params	**artifact_params** object	**Parameter description**: Artifact parameters. **Value range**: None.
start_time	Long	**Definition:** Pipeline start time. **Value range**: N/A
end_time	Long	**Definition:** Pipeline end time. **Value range**: N/A
detail_url	String	**Parameter description**: URL of the details page. If the region information in **x-auth-token** is empty, the details page URL is also empty. **Value range**: N/A

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Parameter	Type	Description
modify_url	String	**Parameter description**: URL of the editing page. If the region information in **x-auth-token** is empty, the URL of the editing page is also empty. **Value range**: N/A

Table 4-109 stage_status_list

Parameter	Type	Description
name	String	**Parameter description**: Stage name. **Value range**: Enter only letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), parentheses (), and spaces. The name cannot start or end with a space, and the length is 1128 characters.
sequence	Integer	**Parameter description**: Stage sequence number. The value **0** indicates the first pipeline stage. **Value range**: No less than **0**.

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Parameter	Type	Description
status	String	**Definition:** Pipeline stage status. **Value range**: • **INIT**: The stage is being initialized. • **QUEUED**: The stage is queuing. • **RUNNING**: The stage is running. • **CANCELED**: The stage is canceled. • **COMPLETED**: The stage is completed. • **FAILED**: The stage is failed. • **SKIPPED**: The stage is skipped. • **IGNORED**: The stage is ignored. • **PAUSED**: The stage is paused. • **SUSPEND**: The stage is suspended. • **ASYNC_RUNNING**: The stage is running asynchronously. • **ASYNC_FAILED**: The pipeline failed during asynchronous execution. • **UNSELECTED**: The stage is unselected. • **REDISPATCH**: The stage is rescheduled.
start_time	String	**Parameter description**: Stage start time. **Value range**: None.
end_time	String	**Parameter description**: Stage end time. **Value range**: None.
id	String	**Parameter description**: Stage ID. **Value range**: None.

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Table 4-110 build_params

Parameter	Type	Description
action	String	**Definition:** Merge request type. **Value range**: • **open**: The merge request is opened. • **reopen**: The merge request is reopened. • **update**: The merge request is updated. • **merge**: The merge request is merged.
build_type	String	**Definition:** Triggered by a branch or a tag. **Value range**: • **branch**: triggered by a branch. • **tag**: triggered by a tag.
commit_id	String	**Parameter description**: Code repository commit ID. **Value range**: None.
event_type	String	**Definition** Type of a running event. **Range** • **Manual**: triggered manually. • **Scheduler**: triggered by a scheduled task. • **MR**: triggered by an MR. • **Push**: triggered by a push event. • **CreateTag**: triggered by a tag. • **Issue**: triggered by an issue. • **Note**: triggered by a comment.
merge_id	String	**Parameter description**: Merge request ID. **Value range**: None.

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Parameter	Type	Description
message	String	**Parameter description**: Code commit message. **Value range**: None.
source_branch	String	**Parameter description**: Source branch. **Value range**: None.
tag	String	**Parameter description**: Tag. **Value range**: None.
target_branch	String	**Parameter description**: Target branch. **Value range**: None.
codehub_id	String	**Parameter description**: Repo code repository ID. **Value range**: None.
git_url	String	**Parameter description**: HTTPS address of the code repository. **Value range**: None.
source_codehub_id	String	**Parameter description**: ID of the source Repo code repository. **Value range**: None.
source_codehub_url	String	**Parameter description**: Address of the source Repo code repository. **Value range**: None.

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Parameter	Type	Description
source_codehub_http_url	String	**Parameter description**: HTTP address of the source Repo code repository. **Value range**: None.

Table 4-111 artifact_params

Parameter	Type	Description
version	String	**Parameter description**: Package version. **Value range**: None.
branch_filter	String	**Parameter description**: Branch filter. **Value range**: None.
package_name	String	**Parameter description**: Package name. **Value range**: None.
organization	String	**Parameter description**: Docker organization. **Value range**: None.

Example Requests

This API is used to obtain pipeline execution records.

Set the start offset to 0, quantity to 10, start timestamp to 1677513600000, and end timestamp to 1678118399000, and sort the query results in descending order of the start time.

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/
e5460d1d403146a1935c2d4b68ef506c/pipeline-runs/list

{
  "offset" : 0,
  "limit" : 10,
  "status" : [ "COMPLETED", "RUNNING", "FAILED", "CANCELED", "PAUSED", "SUSPEND" ],
  "sort_key" : "start_time",
  "sort_dir" : "DESC",
```

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```
  "start_time" : 1677513600000,
  "end_time" : 1678118399000,
  "update_time" : 1678118399000
}
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 1,
  "pipeline_runs" : [ {
    "pipeline_id" : "24949d4f4453495f8e5a76f993af7f43",
    "pipeline_run_id" : "ddb7532cb0e948f2af7bb4397fc19864",
    "executor_id" : "847a5317086c41798469d0868535943a",
    "executor_name" : "Beta environment account",
    "stage_status_list" : [ {
      "name" : "Phase_1",
      "sequence" : 0,
      "status" : "COMPLETED",
      "start_time" : "2023-03-06 10:04:46",
      "end_time" : "2023-03-06 10:04:46"
    } ],
    "status" : "COMPLETED",
    "run_number" : 11,
    "trigger_type" : "Manual",
    "build_params" : {
      "action" : null,
      "build_type" : "branch",
      "commit_id" : "990ea057751d299f5575aac25bf97e88a60b461e",
      "event_type" : "Manual",
      "merge_id" : null,
      "message" : "Creating a Dockerfile",
      "source_branch" : null,
      "tag" : null,
      "target_branch" : "cloud_pipeline_release_1674026917209",
      "codehub_id" : "2111677704",
      "git_url" : "https://example.com/clsyz00001/aaaaa.git"
    },
    "artifact_params" : null,
    "start_time" : 1678066487000,
    "end_time" : 1678066488000,
    "update_time" : 1678118399000
  } ]
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to obtain pipeline execution records.

Set the start offset to 0, quantity to 10, start timestamp to 1677513600000, and end timestamp to 1678118399000, and sort the query results in descending order of the start time.

```
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;
```

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```
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ListPipelineRunsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPipelineRunsRequest request = new ListPipelineRunsRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        ListPipelineRunsQuery body = new ListPipelineRunsQuery();
        List<String> listbodyStatus = new ArrayList<>();
        listbodyStatus.add("COMPLETED");
        listbodyStatus.add("RUNNING");
        listbodyStatus.add("FAILED");
        listbodyStatus.add("CANCELED");
        listbodyStatus.add("PAUSED");
        listbodyStatus.add("SUSPEND");
        body.withSortDir("DESC");
        body.withSortKey("start_time");
        body.withLimit(10L);
        body.withOffset(0L);
        body.withUpdateTime("1678118399000");
        body.withEndTime("1678118399000");
        body.withStartTime("1677513600000");
        body.withStatus(listbodyStatus);
        request.withBody(body);
        try {
            ListPipelineRunsResponse response = client.listPipelineRuns(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 obtain pipeline execution records.

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Set the start offset to 0, quantity to 10, start timestamp to 1677513600000, and end timestamp to 1678118399000, and sort the query results in descending order of the start time.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPipelineRunsRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        listStatusbody = [
            "COMPLETED",
            "RUNNING",
            "FAILED",
            "CANCELED",
            "PAUSED",
            "SUSPEND"
        ]
        request.body = ListPipelineRunsQuery(
            sort_dir="DESC",
            sort_key="start_time",
            limit=10,
            offset=0,
            update_time="1678118399000",
            end_time="1678118399000",
            start_time="1677513600000",
            status=listStatusbody
        )
        response = client.list_pipeline_runs(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 obtain pipeline execution records.

Set the start offset to 0, quantity to 10, start timestamp to 1677513600000, and end timestamp to 1678118399000, and sort the query results in descending order of the start time.

```
package main
```

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```
import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPipelineRunsRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    var listStatusbody = []string{
        "COMPLETED",
        "RUNNING",
        "FAILED",
        "CANCELED",
        "PAUSED",
        "SUSPEND",
    }
    sortDirListPipelineRunsQuery:= "DESC"
    sortKeyListPipelineRunsQuery:= "start_time"
    limitListPipelineRunsQuery:= int64(10)
    offsetListPipelineRunsQuery:= int64(0)
    updateTimeListPipelineRunsQuery:= "1678118399000"
    endTimeListPipelineRunsQuery:= "1678118399000"
    startTimeListPipelineRunsQuery:= "1677513600000"
    request.Body = &model.ListPipelineRunsQuery{
        SortDir: &sortDirListPipelineRunsQuery,
        SortKey: &sortKeyListPipelineRunsQuery,
        Limit: &limitListPipelineRunsQuery,
        Offset: &offsetListPipelineRunsQuery,
        UpdateTime: &updateTimeListPipelineRunsQuery,
        EndTime: &endTimeListPipelineRunsQuery,
        StartTime: &startTimeListPipelineRunsQuery,
        Status: &listStatusbody,
    }
    response, err := client.ListPipelineRuns(request)
```

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```
    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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.10 Creating a Pipeline With a Template

Function

This API is used to create a pipeline using a template.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-templates/{template_id}/create-pipeline

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Table 4-112 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
template_id	Yes	String	**Definition**: Template ID, which is the unique identifier of a template. Obtain the template ID by calling the API for **querying templates**. **templates.id** indicates the template ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-113 Query Parameters

Parameter	Mandatory	Type	Description
component_id	No	String	**Definition** Pipeline microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** The value consists of 32 characters, including only digits and letters. **Default Value** N/A

Request Parameters

Table 4-114 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-115 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Parameter description**: Pipeline name. **Constraints**: None. **Value range**: The value can contain only letters, digits, hyphens (-), and underscores (_). The length is 1128 characters. **Default value**: None.
description	No	String	**Parameter description**: Pipeline description. **Constraints**: N/A **Value range**: Max. 1024 characters. **Default value**: N/A
is_publish	Yes	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Constraints**: N/A **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline. **Default value**: N/A

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Parameter	Mandatory	Type	Description
sources	Yes	Array of **CodeSource** objects	**Parameter description**: Pipeline source list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Array of **variables** objects	**Parameter description**: Pipeline parameter list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-116 CodeSource

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Pipeline source type. **Constraints**: N/A **Range**: • **code**: code repository. • **artifact**: artifact repository. **Default value**: N/A

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Parameter	Mandatory	Type	Description
params	No	**params** object	**Parameter description**: Pipeline source parameters, including details about the pipeline source. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-117 params

Parameter	Mandatory	Type	Description
git_type	No	String	**Definition** Code repository type. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A
codehub_id	No	String	**Parameter description**: CodeArts Repo code repository ID. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
endpoint_id	No	String	**Parameter description**: Code source endpoint ID. **Constraints**: None. **Value range**: None. **Default value**: None.
default_branch	No	String	**Parameter description**: Default branch. **Constraints**: None. **Value range**: None. **Default value**: None.
git_url	No	String	**Parameter description**: HTTPS address of the Git repository, for example, https://example.com/CloudPipelinezycs00001/2000.git. **Constraints**: None. **Value range**: None. **Default value**: None.
ssh_git_url	No	String	**Definition** SSH Git link address. **Constraints** N/A. **Range** N/A. **Default Value** N/A.

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Parameter	Mandatory	Type	Description
web_url	No	String	**Parameter description**: Web page URL. **Constraints**: None. **Value range**: None. **Default value**: None.
repo_name	No	String	**Parameter description**: Pipeline source name. **Constraints**: None. **Value range**: None. **Default value**: None.
alias	No	String	**Definition:** Code repository alias. **Constraints**: N/A **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A

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Table 4-118 variables

Parameter	Mandatory	Type	Description
name	No	String	**Parameter description**: Parameter name. **Constraints**: None. **Value range**: None. **Default value**: None.
sequence	No	Integer	**Parameter description**: Parameter sequence number, which starts from 1 and increases in ascending order. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
type	No	String	**Definition:** Parameter type. **Constraints**: N/A **Value range**: • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter. **Default value**: N/A
value	No	String	**Parameter description**: Parameter value. **Constraints**: N/A **Value range**: Max. 8192 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_secret	No	Boolean	**Definition:** Private parameter or not. **Constraints**: N/A **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: **false**.
description	No	String	**Definition:** Parameter description. **Constraints**: N/A **Value range**: Max. 512 characters. **Default value**: N/A
is_runtime	No	Boolean	**Definition:** Whether a parameter can be set at runtime. **Constraints**: N/A **Value range**: • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime. **Default value**: **false**.

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Parameter	Mandatory	Type	Description
is_reset	No	Boolean	**Definition:** Whether to reset. If the auto-increment parameter is edited, the edited value is used. Otherwise, the last digit increases. **Constraints**: N/A **Value range**: • **true**: Use the edited parameter value. • **false**: Use the auto-increment parameter. **Default value**: **false**.
latest_value	No	String	**Definition:** Value of the parameter in the last run. **Constraints**: N/A **Value range**: Max. 8,192 characters. **Default value**: N/A
limits	No	Array of strings	**Parameter description**: List of enumerated values. **Constraints**: None. **Value range**: Up to 1,024 characters. **Default value**: None.

Response Parameters

Status code: 200

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Table 4-119 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

Create a pipeline based on a template.

Set the pipeline name to New pipeline-2023041516464511, code repository to test001.git, and default branch to master.

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipeline-templates/
434d660a96de423a935a0571c2223bca/create-pipeline

{
  "name" : "New Pipeline - 2023041516464511",
  "description" : "",
  "is_publish" : false,
  "sources" : [ {
    "type" : "code",
    "params" : {
      "git_type" : "codehub",
      "codehub_id" : "2111717853",
      "endpoint_id" : "",
      "default_branch" : "master",
      "git_url" : "https://example.com/cjrTest00002/test001.git",
      "ssh_git_url" : "git@example.com:cjrTest00002/test001.git",
      "web_url" : "",
      "repo_name" : "test001",
      "alias" : ""
    }
  } ]
}
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "ad6b7f66283a45be9c1f82b06c831e59"
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Create a pipeline based on a template.

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Set the pipeline name to New pipeline-2023041516464511, code repository to test001.git, and default branch to master.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class CreatePipelineByTemplateIdSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePipelineByTemplateIdRequest request = new CreatePipelineByTemplateIdRequest();
        request.withTemplateId("{template_id}");
        request.withProjectId("{project_id}");
        PipelineByTemplateDTO body = new PipelineByTemplateDTO();
        CodeSourceParams paramsSources = new CodeSourceParams();
        paramsSources.withGitType("codehub")
            .withCodehubId("2111717853")
            .withEndpointId("")
            .withDefaultBranch("master")
            .withGitUrl("https://example.com/cjrTest00002/test001.git")
            .withSshGitUrl("git@example.com:cjrTest00002/test001.git")
            .withWebUrl("")
            .withRepoName("test001")
            .withAlias("");
        List<CodeSource> listbodySources = new ArrayList<>();
        listbodySources.add(
            new CodeSource()
                .withType("code")
                .withParams(paramsSources)
        );
        body.withSources(listbodySources);
        body.withIsPublish(false);
        body.withDescription("");
        body.withName("New Pipeline - 2023041516464511");
        request.withBody(body);
        try {
            CreatePipelineByTemplateIdResponse response = client.createPipelineByTemplateId(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
```

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

Python

Create a pipeline based on a template.

Set the pipeline name to New pipeline-2023041516464511, code repository to test001.git, and default branch to master.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePipelineByTemplateIdRequest()
        request.template_id = "{template_id}"
        request.project_id = "{project_id}"
        paramsSources = CodeSourceParams(
            git_type="codehub",
            codehub_id="2111717853",
            endpoint_id="",
            default_branch="master",
            git_url="https://example.com/cjrTest00002/test001.git",
            ssh_git_url="git@example.com:cjrTest00002/test001.git",
            web_url="",
            repo_name="test001",
            alias=""
        )
        listSourcesbody = [
            CodeSource(
                type="code",
                params=paramsSources
            )
        ]
        request.body = PipelineByTemplateDTO(
            sources=listSourcesbody,
            is_publish=False,
            description="",
            name="New Pipeline - 2023041516464511"
        )
        response = client.create_pipeline_by_template_id(request)
```

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```
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Create a pipeline based on a template.

Set the pipeline name to New pipeline-2023041516464511, code repository to test001.git, and default branch to master.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePipelineByTemplateIdRequest{}
    request.TemplateId = "{template_id}"
    request.ProjectId = "{project_id}"
    gitTypeParams:= "codehub"
    codehubIdParams:= "2111717853"
    endpointIdParams:= ""
    defaultBranchParams:= "master"
    gitUrlParams:= "https://example.com/cjrTest00002/test001.git"
    sshGitUrlParams:= "git@example.com:cjrTest00002/test001.git"
    webUrlParams:= ""
    repoNameParams:= "test001"
    aliasParams:= ""
```

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```
    paramsSources := &model.CodeSourceParams{
        GitType: &gitTypeParams,
        CodehubId: &codehubIdParams,
        EndpointId: &endpointIdParams,
        DefaultBranch: &defaultBranchParams,
        GitUrl: &gitUrlParams,
        SshGitUrl: &sshGitUrlParams,
        WebUrl: &webUrlParams,
        RepoName: &repoNameParams,
        Alias: &aliasParams,
    }
    typeSources:= "code"
    var listSourcesbody = []model.CodeSource{
        {
            Type: &typeSources,
            Params: paramsSources,
        },
    }
    descriptionPipelineByTemplateDto:= ""
    request.Body = &model.PipelineByTemplateDto{
        Sources: listSourcesbody,
        IsPublish: false,
        Description: &descriptionPipelineByTemplateDto,
        Name: "New Pipeline - 2023041516464511",
    }
    response, err := client.CreatePipelineByTemplateId(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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.11 Creating a Pipeline

Function

This API is used to create a pipeline.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines

Table 4-120 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-121 Query Parameters

Parameter	Mandatory	Type	Description
component_id	No	String	**Definition** Microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** N/A **Default Value** N/A

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Request Parameters

Table 4-122 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-123 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Parameter description**: Pipeline name. **Constraints**: None. **Value range**: The value can contain only letters, digits, hyphens (-), and underscores (_). The length is 1128 characters. **Default value**: None.
description	No	String	**Parameter description**: Pipeline description. **Constraints**: N/A **Value range**: Max. 1024 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_publish	Yes	Boolean	**Definition:** Whether the pipeline is a change-triggered pipeline. **Constraints**: N/A **Value range**: • **true**: The pipeline is a change-triggered pipeline. • **false**: The pipeline is not a change-triggered pipeline. **Default value**: N/A
sources	No	Array of **CodeSource** objects	**Parameter description**: Pipeline source information. **Constraints**: None. **Value range**: None. **Default value**: None.
variables	No	Array of **CustomVariable** objects	**Parameter description**: List of custom pipeline global variables. **Constraints**: None. **Value range**: None. **Default value**: None.
schedules	No	Array of **PipelineSchedule** objects	**Parameter description**: List of pipeline scheduled execution configurations. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
triggers	No	Array of **PipelineTrigger** objects	**Parameter description**: Configurations of pipeline event triggers. **Constraints**: None. **Value range**: None. **Default value**: None.
manifest_version	No	String	**Definition:** Version of the pipeline structure definition. **Constraints**: N/A **Value range**: N/A **Default value**: **3.0**.
definition	Yes	String	**Definition**: Pipeline structure definition JSON. The structure of this field is complex. You are advised to edit the pipeline on the web UI and obtain the field from the API for **querying pipeline details**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_name	No	String	**Parameter description**: Project name. **Constraints**: None. **Value range**: None. **Default value**: None.
group_id	No	String	**Parameter description**: Pipeline group ID. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.
id	No	String	**Parameter description**: Pipeline group ID, which is used for the cloning scenario. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.
concurrency_control	No	**PipelineConcurrencyMgmt** object	**Definition:** Pipeline concurrency control information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-124 CodeSource

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Pipeline source type. **Constraints**: N/A **Range**: • **code**: code repository. • **artifact**: artifact repository. **Default value**: N/A
params	No	**params** object	**Parameter description**: Pipeline source parameters, including details about the pipeline source. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-125 params

Parameter	Mandatory	Type	Description
git_type	No	String	**Definition** Code repository type. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A

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Parameter	Mandatory	Type	Description
codehub_id	No	String	**Parameter description**: CodeArts Repo code repository ID. **Constraints**: None. **Value range**: None. **Default value**: None.
endpoint_id	No	String	**Parameter description**: Code source endpoint ID. **Constraints**: None. **Value range**: None. **Default value**: None.
default_branch	No	String	**Parameter description**: Default branch. **Constraints**: None. **Value range**: None. **Default value**: None.
git_url	No	String	**Parameter description**: HTTPS address of the Git repository, for example, https://example.com/CloudPipelinezycs00001/2000.git. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
ssh_git_url	No	String	**Definition** SSH Git link address. **Constraints** N/A. **Range** N/A. **Default Value** N/A.
web_url	No	String	**Parameter description**: Web page URL. **Constraints**: None. **Value range**: None. **Default value**: None.
repo_name	No	String	**Parameter description**: Pipeline source name. **Constraints**: None. **Value range**: None. **Default value**: None.
alias	No	String	**Definition:** Code repository alias. **Constraints**: N/A **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A

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Table 4-126 CustomVariable

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
name	No	String	**Definition:** Custom parameter name. **Constraints**: N/A **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported. **Default value**: N/A
sequence	No	Integer	**Parameter description**: Parameter sequence number, which starts from **1**. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Custom parameter type. **Constraints**: N/A **Value range**: • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter. **Default value**: N/A
value	No	String	**Parameter description**: Default value of a custom parameter. **Constraints**: None. **Value range**: Up to 8192 characters. **Default value**: None.
is_secret	No	Boolean	**Definition:** Private parameter or not. **Constraints**: N/A **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: **false**.

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Parameter	Mandatory	Type	Description
description	No	String	**Parameter description**: Parameter description. **Constraints**: None. **Value range**: Up to 1024 characters. **Default value**: None.
is_runtime	No	Boolean	**Definition:** Whether a parameter can be set at runtime. **Constraints**: N/A **Value range**: • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime. **Default value**: **false**.
limits	No	Array of objects	**Parameter description**: List of enumerated values. **Constraints**: None. **Value range**: Up to 1,024 characters. **Default value**: None.

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Parameter	Mandatory	Type	Description
is_reset	No	Boolean	**Definition:** Whether to reset. If the auto-increment parameter is edited, the edited value is used. Otherwise, the last digit increases. **Constraints**: N/A **Value range**: • **true**: Use the edited parameter value. • **false**: Use the auto-increment parameter. **Default value**: **false**.
latest_value	No	String	**Definition:** Value of the parameter in the last run. **Constraints**: N/A **Value range**: Max. 8,192 characters. **Default value**: N/A
runtime_value	No	String	**Definition** Runtime input value. **Constraints** N/A **Range** N/A **Default Value** N/A

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Table 4-127 PipelineSchedule

Parameter	Mandatory	Type	Description
uuid	No	String	**Parameter description**: ID of a scheduled task. **Constraints**: None. **Value range**: None. **Default value**: None.
type	No	String	**Definition**: Task type. **Constraints**: N/A **Range**: • **periodic**: The task is triggered periodically. • **fixed**: The task is triggered periodically within a time interval. **Default value**: N/A
name	No	String	**Parameter description**: Job name. **Constraints**: None. **Value range**: None. **Default value**: None.
enable	No	Boolean	**Parameter description**: Whether to enable. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
days_of_week	No	Array of integers	**Parameter description**: Specific execution day in a week. Sunday to Saturday: **1** to **7**. **Constraints**: N/A. **Value Range**: N/A. **Default value**: N/A.
time_zone	No	String	**Definition:** Time zone. **Constraints**: N/A **Value range**: ● "China Standard Time". ● "GMT Standard Time". ● "South Africa Standard Time". ● "Russian Standard Time". ● "SE Asia Standard Time". ● "Singapore Standard Time". ● "Pacific SA Standard Time". ● "E. South America Standard Time". ● "Central Standard Time (Mexico)". ● "Egypt Standard Time". ● "Saudi Arabia Standard Time". **Default value**: N/A

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Table 4-128 PipelineTrigger

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
git_url	No	String	**Definition:** Git URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
git_type	No	String	**Definition** Type of the Git repository. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A

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Parameter	Mandatory	Type	Description
is_auto_commit	No	Boolean	**Definition:** Whether to automatically commit code. This feature is only available for Gitee repositories. After a webhook triggers a pipeline, a comment is automatically added. **Constraints**: N/A **Value range**: • **true**: The code is automatically committed. • **false**: The code is not automatically committed. **Default value**: N/A
events	No	Array of **CodeEvent** objects	**Parameter description**: Trigger event list. **Constraints**: None. **Value range**: None. **Default value**: None.
hook_id	No	String	**Parameter description**: Callback ID generated by the system. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
repo_id	No	String	**Parameter description**: Repo repository ID. **Constraints**: None. **Value range**: None. **Default value**: None.
endpoint_id	No	String	**Definition**: Code source endpoint ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
callback_url	No	String	**Parameter description**: Callback URL, which is generated when a webhook is registered. **Constraints**: None. **Value range**: None. **Default value**: None.
security_token	No	String	**Parameter description**: User token, which is generated when a webhook is registered. **Constraints**: None. **Value range**: None. **Default value**: None.

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Table 4-129 CodeEvent

Parameter	Mandatory	Type	Description
type	No	String	**Definition** Event type. **Constraints** N/A **Range** • **merge_request**: triggered by an MR. • **push**: triggered by code push. • **tag_push**: triggered by a tag. • **Issue**: triggered by a Gitee repository issue. • **Note**: triggered by a Gitee repository comment. **Default Value** N/A
enable	No	Boolean	**Definition:** Whether the code repository is available. **Constraints**: N/A **Value range**: • **true**: The code repository is available. • **false**: The code repository is unavailable. **Default value**: N/A

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Table 4-130 PipelineConcurrencyMgmt

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: 32 characters. **Default value**: N/A
concurrency_number	No	Integer	**Definition** Number of concurrent pipeline executionsNumber of concurrent pipeline executions. It is limited by the package and purchased concurrent executions. **Constraints** N/A **Range** N/A **Default Value** N/A
exceed_action	No	String	**Definition:** Policy when the number of concurrent requests exceeds the upper limit. **Constraints**: N/A **Value range**: • **ABORT**: Ignore the request. • **QUEUE**: Wait in a queue. **Default value**: N/A

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Parameter	Mandatory	Type	Description
create_time	No	Long	**Parameter description**: Creation time. **Constraints**: None. **Value range**: None. **Default value**: None.
update_time	No	Long	**Parameter description**: Update time. **Constraints**: None. **Value range**: None. **Default value**: None.
enable	No	Boolean	**Definition:** Whether to enable the rule. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-131 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipelines

{
  "name" : "New Pipeline-20231024204112",
  "description" : "",
  "is_publish" : false,
  "sources" : [ {
    "type" : "code",
    "params" : {
      "git_type" : "codehub",
      "codehub_id" : "2111699317",
      "endpoint_id" : "",
      "default_branch" : "master",
      "git_url" : "https://example.com/0213yjw100001/0213yjw1-android.git",
      "ssh_git_url" : "git@example.com:0213yjw100001/0213yjw1-android.git",
      "web_url" : "",
      "repo_name" : "0213yjw1-android",
      "alias" : ""
    }
  } ],
  "definition" : "{\"stages\": [_1\",\"sequence\":\"0\",\"jobs\":[{\"id\":\"\",\"stage_id
\":1698151278179,\"identifier\":\"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b\",\"name\":
\"Create Task in the {\"id\":1698151278179,\"identifier
\":\"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533\",\"run_always\":false,\"name\": \"Phase
\",\"depends_on\":[] ,\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":[],\"exec_type\":\"AGENTLESS_JOB
\",\"sequence\":0}],\"rule_templates\":[],\"pre\":[{\"task\":\"official_devcloud_autoTrigger\",\"sequence
\":0}],\"post\":[],\"depends_on\":[]}]}"
}
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "8bfbd69eac154a0da341705a36294aca"
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

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

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```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class CreatePipelineNewSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePipelineNewRequest request = new CreatePipelineNewRequest();
        request.withProjectId("{project_id}");
        PipelineDTO body = new PipelineDTO();
        CodeSourceParams paramsSources = new CodeSourceParams();
        paramsSources.withGitType("codehub")
            .withCodehubId("2111699317")
            .withEndpointId("")
            .withDefaultBranch("master")
            .withGitUrl("https://example.com/0213yjw100001/0213yjw1-android.git")
            .withSshGitUrl("git@example.com:0213yjw100001/0213yjw1-android.git")
            .withWebUrl("")
            .withRepoName("0213yjw1-android")
            .withAlias("");
        List<CodeSource> listbodySources = new ArrayList<>();
        listbodySources.add(
            new CodeSource()
                .withType("code")
                .withParams(paramsSources)
        );
        body.withDefinition("{"stages": [_1","sequence":"0","jobs":
[{"id":"","stage_id":1698151278179,"identifier":"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b","
name": "Create Task in the
{"id":1698151278179,"identifier":"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533","run_always":f
alse,"name": "Phase","depends_on":[] ,"timeout":"","timeout_unit":"","steps":
[],"exec_type":"AGENTLESS_JOB","sequence":0}],"rule_templates":[],"pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":[],"depends_on":[]}]}");
        body.withSources(listbodySources);
        body.withIsPublish(false);
        body.withDescription("");
        body.withName("New Pipeline-20231024204112");
        request.withBody(body);
        try {
            CreatePipelineNewResponse response = client.createPipelineNew(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePipelineNewRequest()
        request.project_id = "{project_id}"
        paramsSources = CodeSourceParams(
            git_type="codehub",
            codehub_id="2111699317",
            endpoint_id="",
            default_branch="master",
            git_url="https://example.com/0213yjw100001/0213yjw1-android.git",
            ssh_git_url="git@example.com:0213yjw100001/0213yjw1-android.git",
            web_url="",
            repo_name="0213yjw1-android",
            alias=""
        )
        listSourcesbody = [
            CodeSource(
                type="code",
                params=paramsSources
            )
        ]
        request.body = PipelineDTO(
            definition="{"stages": [_1","sequence":"0","jobs":
[{"id":"","stage_id":1698151278179,"identifier":"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b","
name": "Create Task in the
{"id":1698151278179,"identifier":"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533","run_always":f
alse,"name": "Phase","depends_on":[] ,"timeout":"","timeout_unit":"","steps":
[],"exec_type":"AGENTLESS_JOB","sequence":0}],"rule_templates":[],"pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":[],"depends_on":[]}]}",
            sources=listSourcesbody,
            is_publish=False,
            description="",
            name="New Pipeline-20231024204112"
        )
```

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```
        response = client.create_pipeline_new(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePipelineNewRequest{}
    request.ProjectId = "{project_id}"
    gitTypeParams:= "codehub"
    codehubIdParams:= "2111699317"
    endpointIdParams:= ""
    defaultBranchParams:= "master"
    gitUrlParams:= "https://example.com/0213yjw100001/0213yjw1-android.git"
    sshGitUrlParams:= "git@example.com:0213yjw100001/0213yjw1-android.git"
    webUrlParams:= ""
    repoNameParams:= "0213yjw1-android"
    aliasParams:= ""
    paramsSources := &model.CodeSourceParams{
        GitType: &gitTypeParams,
        CodehubId: &codehubIdParams,
        EndpointId: &endpointIdParams,
        DefaultBranch: &defaultBranchParams,
        GitUrl: &gitUrlParams,
```

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```
        SshGitUrl: &sshGitUrlParams,
        WebUrl: &webUrlParams,
        RepoName: &repoNameParams,
        Alias: &aliasParams,
    }
    typeSources:= "code"
    var listSourcesbody = []model.CodeSource{
        {
            Type: &typeSources,
            Params: paramsSources,
        },
    }
    descriptionPipelineDto:= ""
    request.Body = &model.PipelineDto{
        Definition: "{"stages": [_1","sequence":"0","jobs":
[{"id":"","stage_id":1698151278179,"identifier":"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b","
name": "Create Task in the
{"id":1698151278179,"identifier":"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533","run_always":f
alse,"name": "Phase","depends_on":[] ,"timeout":"","timeout_unit":"","steps":
[],"exec_type":"AGENTLESS_JOB","sequence":0}],"rule_templates":[],"pre":
[{"task":"official_devcloud_autoTrigger","sequence":0}],"post":[],"depends_on":[]}]}",
        Sources: &listSourcesbody,
        IsPublish: false,
        Description: &descriptionPipelineDto,
        Name: "New Pipeline-20231024204112",
    }
    response, err := client.CreatePipelineNew(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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.2.12 Retrying a Pipeline

Function

This API is used to retry a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/retry

Table 4-132 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-133 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-134 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
PUT https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipelines/
8bfbd69eac154a0da341705a36294aca/pipeline-runs/94511c7207474053ab5f6e2dd5624cd5/retry
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class RetryPipelineRunSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
```

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```
        RetryPipelineRunRequest request = new RetryPipelineRunRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            RetryPipelineRunResponse response = client.retryPipelineRun(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = RetryPipelineRunRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.retry_pipeline_run(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
```

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```
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.RetryPipelineRunRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.RetryPipelineRun(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
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.2.13 Passing Manual Review

Function

This API is used to pass a manual review.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/jobs/{job_run_id}/steps/{step_run_id}/pass

Table 4-135 Path Parameters

Parameter	Mandatory	Type	Description
job_run_id	Yes	String	**Definition**: Pipeline job ID. You can find all manual review tasks from the **stages** field in the response body after calling the API for **obtaining pipeline execution details**. **JobRun.id** indicates the job ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
step_run_id	Yes	String	**Definition**: Pipeline step ID. You can find all manual review tasks in the **stages** field in the response body of the **ShowPipelineRunDetail** API. **StepRun.id** indicates the step ID. **Constraints**: N/A **Value range**: The value can contain only digits and letters. There is no length limit. Generally, the value contains 32 characters. **Default value**: N/A

Request Parameters

Table 4-136 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-137 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipelines/8bfbd69eac154a0da341705a36294aca/pipeline-runs/94511c7207474053ab5f6e2dd5624cd5/jobs/d2ce3825a5e147dd98793ef6e76d038e/steps/f2f0441226444c1199ca0cce8d24074f/pass
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class AcceptManualReviewSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
```

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```
            .build();
        AcceptManualReviewRequest request = new AcceptManualReviewRequest();
        request.withJobRunId("{job_run_id}");
        request.withStepRunId("{step_run_id}");
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            AcceptManualReviewResponse response = client.acceptManualReview(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = AcceptManualReviewRequest()
        request.job_run_id = "{job_run_id}"
        request.step_run_id = "{step_run_id}"
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.accept_manual_review(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.AcceptManualReviewRequest{}
    request.JobRunId = "{job_run_id}"
    request.StepRunId = "{step_run_id}"
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.AcceptManualReview(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

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Status Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.14 Obtaining Custom Parameters Required for Pipeline Running

Function

This API is used to obtain custom parameters required for pipeline running.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/list-runtime-vars

Table 4-138 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-139 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	**Definition**: Offset. **Constraints**: N/A **Value range**: ≥ 0 **Default value**: N/A
limit	No	Integer	**Definition**: Number of records of each query. **Constraints**: N/A **Value range**: ≥ 0 **Default value**: N/A

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Request Parameters

Table 4-140 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
X-Language	No	String	**Definition:** Language type. **Constraints**: N/A **Value range**: • **zh-cn**: Chinese. • **en-us**: English. **Default value**: **en-us**.

Response Parameters

Status code: 200

Table 4-141 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts.
limit	Integer	**Definition:** Number of records of each query.
total	Integer	**Definition**: Total number of records.

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Parameter	Type	Description
variables	Array of **PipelineVariable** objects	**Definition**: Custom pipeline parameter. **Value range**: N/A

Table 4-142 PipelineVariable

Parameter	Type	Description
name	String	**Definition:** Custom parameter name. **Value range**: Enter a maximum of 128 characters. Only letters, digits, and underscores (_) are supported.
sequence	Integer	**Parameter description**: Sequence number. **Value range**: 1–2147483647
type	String	**Definition**: Custom parameter type. **Range**: • **autoIncrement**: auto-increment parameter. • **enum**: enumerated parameter. • **string**: string parameter.
value	String	**Definition:** Default value of the custom parameter. **Value range**: N/A
is_secret	Boolean	**Definition:** Private parameter or not. **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private.

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Parameter	Type	Description
description	String	**Parameter description**: Custom parameter description. **Value range**: N/A
is_runtime	Boolean	**Definition:** Whether a parameter can be set at runtime. **Value range**: • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime.
limits	Array of strings	**Parameter description**: List of limited enumerated values. **Value range**: N/A
is_reset	Boolean	**Definition:** Whether an auto-increment parameter is reset. **Value range**: • **true**: The parameter is reset. • **false**: The parameter is not reset.
latest_value	String	**Parameter description**: The latest value of an auto-increment parameter. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/6428c2e2b4b64affa14ec80896695c49/api/pipelines/
633839ac12a2465ba86dfc5cd212ee1a/list-runtime-vars
```

Example Responses

Status code: 200

```
{
  "offset" : 1,
  "limit" : 10,
  "total" : 0,
  "variables" : [ {
    "name" : "name",
    "sequence" : 1,
```

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```
    "type" : "string",
    "is_strict" : false,
    "value" : "zs",
    "is_secret" : false,
    "description" : "",
    "is_runtime" : false,
    "limits" : [ ],
    "is_reset" : false,
    "latest_value" : ""
  }, {
    "name" : "age",
    "sequence" : 2,
    "type" : "string",
    "is_strict" : false,
    "value" : "18",
    "is_secret" : false,
    "description" : "",
    "is_runtime" : false,
    "limits" : [ ],
    "is_reset" : false,
    "latest_value" : ""
  } ]
}
```


Status Codes

Status Code	Description
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.15 Rejecting Manual Review

Function

This API is used to reject a manual review.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/jobs/{job_run_id}/steps/{step_run_id}/refuse

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Table 4-143 Path Parameters

Parameter	Mandatory	Type	Description
job_run_id	Yes	String	**Definition**: Job run ID. Obtain the ID by calling the API for **obtaining the pipeline execution details**. **JobRun.id** indicates job run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
step_run_id	Yes	String	**Definition**: Pipeline step ID. Obtain the ID by calling the API for **querying pipeline details**. **stages.jobs.steps** indicates the step ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-144 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-145 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipelines/8bfbd69eac154a0da341705a36294aca/pipeline-runs/12abeb9da0964cf3bd3ffd6813153e12/jobs/97b4991cf3374d8d96e08b38f79c8827/steps/6ff8e898026447a9a3eaa592e94b9384/refuse
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class RejectManualReviewSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        RejectManualReviewRequest request = new RejectManualReviewRequest();
        request.withJobRunId("{job_run_id}");
        request.withStepRunId("{step_run_id}");
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            RejectManualReviewResponse response = client.rejectManualReview(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
```

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```
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = RejectManualReviewRequest()
        request.job_run_id = "{job_run_id}"
        request.step_run_id = "{step_run_id}"
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.reject_manual_review(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()
```

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```
    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.RejectManualReviewRequest{}
    request.JobRunId = "{job_run_id}"
    request.StepRunId = "{step_run_id}"
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.RejectManualReview(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
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.16 Querying Pipeline Logs

Function

This API is used to query pipeline logs.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/jobs/{job_run_id}/steps/{step_run_id}/logs

Table 4-146 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
job_run_id	Yes	String	**Parameter description**: Pipeline job ID. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.
step_run_id	Yes	String	**Parameter description**: Pipeline step ID. **Constraints**: None. **Value range**: 32 characters, including only digits and letters. **Default value**: None.

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Request Parameters

Table 4-147 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-148 Request body parameters

Parameter	Mandatory	Type	Description
start_offset	No	Long	**Parameter description**: Log start offset. **Constraints**: None. **Value range**: None. **Default value**: None.
end_offset	No	Long	**Parameter description**: Log end offset. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
limit	Yes	Long	**Parameter description**: Maximum number of log lines. **Constraints**: None. **Value range**: None. **Default value**: None.
sort	Yes	String	**Definition:** Sorting rule. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-149 Response body parameters

Parameter	Type	Description
has_more	Boolean	**Definition:** Whether there are more logs. **Value range**: • **true**: There are more logs. • **false**: There are no more logs.
end_offset	String	**Parameter description**: End offset of the log query. Enter the **end_offset** field in the request body to query logs on the next page. **Value range**: None.

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Parameter	Type	Description
start_offset	String	**Parameter description**: Start offset of the queried logs. Enter the **start_offset** field in the request body to query logs on the next page. **Value range**: None.
log	String	**Parameter description**: Log content. **Value range**: None.
step_run_id	String	**Parameter description**: ID of the step to which it belongs. **Value range**: None.

Example Requests

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/pipelines/
e2bcbd561fbc4fd89577fb27c80b09a6/pipeline-runs/9e91b1fd7ce743b7a1b7a2458bcf76c7/jobs/
6ce8600f396c4d5ba5290201ba9fd762/steps/7a1a7bb1b5e74d1c944d8b8971621033/logs

{
  "start_offset" : 0,
  "end_offset" : 0,
  "limit" : 500,
  "sort" : "asc"
}
```

Example Responses

Status code: 200

```
{
  "has_more" : false,
  "end_offset" : "25705",
  "start_offset" : "6132",
  "log" : "[2023/11/24 21:49:32.198 GMT+08:00] [INFO] [real_stage: Shell]: This step starts.\n[2023/11/24
21:49:32.201 GMT+08:00] [INFO] [real_stage: Shell]: ================== start to do VmExecutionStep
==================\n[2023/11/24 21:49:32.207 GMT+08:00] [INFO] [real_stage: Shell]: [frame] start to
send status data to service.\n[2023/11/24 21:49:32.225 GMT+08:00] [INFO] [real_stage: Shell]: [frame]
finish to save status data to service.\n[2023/11/24 21:49:32.777 GMT+08:00] [INFO] [real_stage: Shell]:
slave arch: amd64\n[2023/11/24 21:49:33.330 GMT+08:00] [INFO] [real_stage: Shell]: download file result:
SUCCESS\n[2023/11/24 21:49:36.547 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== flow agent
launched in [octopus_container] ==========\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24
21:49:36] [INFO] ========== use env job loader ==========\n[2023/11/24 21:49:36.548 GMT+08:00]
[2023-11-24 21:49:36] [INFO] start to do status callback\n[2023/11/24 21:49:36.548 GMT+08:00]
[2023-11-24 21:49:36] [INFO] successfully callback to flow service\n[2023/11/24 21:49:36.548 GMT+08:00]
[2023-11-24 21:49:36] [INFO] step begin: [1/1]- [Execute Shell]\n[2023/11/24 21:49:36.548 GMT+08:00]
[2023-11-24 21:49:36] [INFO] start to use official executor [official_shell_plugin]\n[2023/11/24
21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ################################@@@
[step start] @@@################################\n[2023/11/24 21:49:36.548 GMT+08:00]
[2023-11-24 21:49:36] [INFO] ========== start to use script executor ==========\n[2023/11/24
21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== start to execute shell pre function
```

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[make temp dir] ==========\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== shell pre function [make temp dir] current temp dir:[/data/workspace/6ce8600f396c4d5ba5290201ba9fd762/7a1a7bb1b5e74d1c944d8b8971621033] ==========\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== end to execute shell pre function [make temp dir] successfully ==========\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== start to execute custom shell ==========\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] 1\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== finish to use script executor with status success ==========\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ##################################@@@ [step end] @@@##################################\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] finish to use official executor\nThe [2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] step executes Shell succeed.\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] start to do data callback with context:[{1eaa92ecea2a42cab78e5269963a48c1 6ce8600f396c4d5ba5290201ba9fd762 7a1a7bb1b5e74d1c944d8b8971621033 0}]\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] successfully callback to flow service\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] current step, duration time: [0.030766842]\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] start to do status callback\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] successfully callback to flow service\n[2023/11/24 21:49:36.548 GMT+08:00] [2023-11-24 21:49:36] [INFO] ========== flow agent end ==========\n[2023/11/24 21:49:36.563 GMT+08:00] [INFO] [real_stage: Shell]: [frame] start to send status data to service.\n[2023/11/24 21:49:36.563 GMT+08:00] [INFO] [real_stage: Shell]: This step is complete.",
  "step_run_id" : "7a1a7bb1b5e74d1c944d8b8971621033"
}

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowPipelineLogSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPipelineLogRequest request = new ShowPipelineLogRequest();
        request.withJobRunId("{job_run_id}");
        request.withStepRunId("{step_run_id}");
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
```

```
        LogQuery body = new LogQuery();
        body.withSort("asc");
        body.withLimit(500L);
        body.withEndOffset(0L);
        body.withStartOffset(0L);
        request.withBody(body);
        try {
            ShowPipelineLogResponse response = client.showPipelineLog(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPipelineLogRequest()
        request.job_run_id = "{job_run_id}"
        request.step_run_id = "{step_run_id}"
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        request.body = LogQuery(
            sort="asc",
            limit=500,
            end_offset=0,
            start_offset=0
        )
        response = client.show_pipeline_log(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

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Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPipelineLogRequest{}
    request.JobRunId = "{job_run_id}"
    request.StepRunId = "{step_run_id}"
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    endOffsetLogQuery:= int64(0)
    startOffsetLogQuery:= int64(0)
    request.Body = &model.LogQuery{
        Sort: "asc",
        Limit: int64(500),
        EndOffset: &endOffsetLogQuery,
        StartOffset: &startOffsetLogQuery,
    }
    response, err := client.ShowPipelineLog(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

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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	Response body for querying logs.

Error Codes

See **Error Codes**.

4.2.17 Obtaining the Pipeline Step Execution Output

Function

Obtaining the Pipeline Step Execution Output

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/steps/outputs

Table 4-150 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-151 Query Parameters

Parameter	Mandatory	Type	Description
step_run_ids	Yes	String	**Parameter description**: Pipeline step ID. **Constraints**: N/A **Value range**: Each ID is a string of 32 characters, consisting of only digits and letters. **Default value**: N/A

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Request Parameters

Table 4-152 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-153 Response body parameters

Parameter	Type	Description
step_outputs	Array of **step_outputs** objects	**Parameter description**: Step output list, which records the output ID and result information of each step.
current_system_time	Long	**Parameter description**: Current system time. **Value range**: N/A

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Table 4-154 step_outputs

Parameter	Type	Description
step_run_id	String	**Definition:** Step ID. **Value range**: The value consists of 32 characters, including digits and letters.
output_result	Array of **output_result** objects	**Parameter description**: Step output. **Value range**: None.

Table 4-155 output_result

Parameter	Type	Description
key	String	**Parameter description**: Step output key value. **Value range**: None.
value	String	**Parameter description**: Step output value. **Value range**: None.

Status code: 400

Table 4-156 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v5/26726a24b3f247b4b49300b6f84fee61/pipelines/
5f58d4f7b0a9450a889c3ccb58813f1c/pipeline-runs/9018898842af45b3a0546f9caa44e4d5/steps/outputs?
step_run_ids=eafeade4aade49b2bc1cac8405c2f44c
```

Example Responses

Status code: 200

```
{
  "step_outputs" : [ {
    "step_run_id" : "eafeade4aade49b2bc1cac8405c2f44c",
    "output_result" : [ {
      "key" : "new_issue_count",
      "value" : "0"
    }, {
      "key" : "codecheck.deadly",
      "value" : "0"
    }, {
      "key" : "codecheck.important",
      "value" : "0"
    }, {
      "key" : "codecheck.common",
      "value" : "0"
    }, {
      "key" : "codecheck.prompt",
      "value" : "0"
    } ]
  } ],
  "current_system_time" : 1710153194163
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowStepOutputsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
```

```
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowStepOutputsRequest request = new ShowStepOutputsRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            ShowStepOutputsResponse response = client.showStepOutputs(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowStepOutputsRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.show_step_outputs(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"
```

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```
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowStepOutputsRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.ShowStepOutputs(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
400	Bad request
401	Unauthorized

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Status Code	Description
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.18 Querying Build Products on a Pipeline

Function

Querying Build Products on a Pipeline

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/artifacts

Table 4-157 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-158 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-159 Response body parameters

Parameter	Type	Description
artifacts	Array of **Artifact** objects	**Definition:** Artifact list of a pipeline.

Table 4-160 Artifact

Parameter	Type	Description
project_id	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**.
name	String	**Definition:** Artifact name.
artifact_version	String	**Definition:** Artifact version.
upload_target	String	**Definition:** Platform where the artifact is stored.

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Parameter	Type	Description
artifact_package_type	String	**Definition:** Artifact package type, for example, JAR.
artifact_uri	String	**Definition:** Path for storing files in the artifact repository.
artifact_download_url_with_id	String	**Definition:** Artifact repository download address.
artifact_type	String	**Definition**: Artifact type. **Range**: • **generic**: Release repository. • **docker**: Docker repository. **Default value**: N/A
hash_code	Array of **hash_code** objects	**Definition:** Hash code of the artifact.
job_id	String	**Definition:** Build task ID.
build_no	Integer	**Definition:** Build task No.
daily_build_number	String	**Definition:** Build task sequence number.
file_size	String	**Definition:** Artifact size.

Table 4-161 hash_code

Parameter	Type	Description
hash_type	String	**Definition**: Hash algorithm. **Range**: • SHA-256 **Default value**: N/A

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Parameter	Type	Description
hash_value	String	**Definition:** Hash value.

Example Requests

```
GET https://{endpoint}/v5/26726a24b3f247b4b49300b6f84fee61/api/pipelines/
5f58d4f7b0a9450a889c3ccb58813f1c/pipeline-runs/9018898842af45b3a0546f9caa44e4d5/artifacts
```

Example Responses

Status code: 200

```
{
  "artifacts" : [ {
    "project_id" : "26726a24b3f247b4b49300b6f84fee61",
    "job_id" : "545da7fc36a7492a841e1018a21d2f22",
    "build_no" : "1",
    "name" : "javaMavenDemo-1.0.jar",
    "file_size" : "2.18KB",
    "hash_code" : [ {
      "hash_type" : "SHA256",
      "hash_value" : "0fce55424a0514443f0bd612dcb25abb8de9f06572a2050ba8c6483352d5c5bd"
    } ],
    "daily_build_number" : "20240311.1",
    "upload_target" : "artifact",
    "artifact_version" : "20240311.1",
    "artifact_package_type" : "jar",
    "artifact_uri" : "/Build-TestBuildCheck-749/20240311.1/",
    "artifact_download_url_with_id" : "https://example.com/DevRepoServer/v1/files/download?
file_id=d7c3c7b5f511483b8485cc58fc32f2ea&type=archive",
    "artifact_type" : "package"
  } ]
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowPipelineArtifactsSolution {

    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
```

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```
        String ak = System.getenv("CLOUD_SDK_AK");
        String sk = System.getenv("CLOUD_SDK_SK");

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPipelineArtifactsRequest request = new ShowPipelineArtifactsRequest();
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            ShowPipelineArtifactsResponse response = client.showPipelineArtifacts(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPipelineArtifactsRequest()
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.show_pipeline_artifacts(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
```

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```
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPipelineArtifactsRequest{}
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.ShowPipelineArtifacts(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.

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.19 Deleting Pipelines in Batches

Function

This API is used to delete pipelines in batches.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/batch-delete

Table 4-162 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-163 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_ids	Yes	Array of strings	**Definition**: Pipeline ID list. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-164 Response body parameters

Parameter	Type	Description
result	Array of **result** objects	**Definition** Response body for batch operations on pipelines. **Range** N/A

Table 4-165 result

Parameter	Type	Description
pipeline_id	String	**Definition** Pipeline ID. **Range** The value consists of 32 characters, including only digits and letters.

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Parameter	Type	Description
pipeline_name	String	**Definition** Pipeline name. **Range** Enter 1 to 128 characters, including only letters, digits, hyphens (-), and underscores (_).
status	String	**Definition** Operation status. DELETE_FAILED indicates that the deletion fails. DELETE_SUCCESS indicates that the deletion is successful. SUCCESS indicates that the operation is successful. FAILED indicates that the operation fails. **Range** **DELETE_FAILED**, **DELETE_SUCCESS**, **SUCCESS**, and **FAILED**.
reason	String	**Definition** Operation failure cause. **Range** N/A

Example Requests

```
POST https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipelines/batch-delete

{
  "pipeline_ids" : [ "d02cd56c8bfa406d96286454c87bd85a", "32d334890ff74d16b3f51df386f16407" ]
}
```

Example Responses

Status code: 200

```
{
  "result" : [ {
    "pipeline_id" : "d02cd56c8bfa406d96286454c87bd85a",
    "pipeline_name" : "Delete 2",
    "status" : "DELETE_SUCCESS",
    "reason" : null
  }, {
    "pipeline_id" : "32d334890ff74d16b3f51df386f16407",
    "pipeline_name" : "Delete 111",
    "status" : "DELETE_SUCCESS",
    "reason" : null
  } ]
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.20 Updating Pipelines in Batches

Function

This API is used to update pipeline notifications in batches.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipelines/batch-update/notice

Table 4-166 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-167 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_ids	Yes	Array of strings	**Definition** Pipeline ID list. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints** N/A **Range** The value consists of 32 characters, including digits and letters. **Default Value** N/A
notice_events	Yes	Array of **notice_events** objects	**Definition** Notification configuration list details. **Constraints** N/A **Range** N/A **Default Value** N/A

Table 4-168 notice_events

Parameter	Mandatory	Type	Description
type	No	Integer	**Definition** Notification event type. **Range** • **1**: System messages. • **2**: Email notifications. • **3**: WeChat. • **4**: DingTalk. • **5**: Lark.

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Parameter	Mandatory	Type	Description
events	No	Array of **events** objects	**Definition** Notification event list details. **Constraints** N/A **Range** N/A **Default Value** N/A
webhook_config	No	**webhook_config** object	**Definition** Webhook notification event configuration. **Constraints** N/A **Range** N/A **Default Value** N/A
switch_enable	No	Boolean	**Definition** Whether to enable message notification. **Constraints** N/A **Range** N/A **Default Value** N/A
enable	No	Boolean	**Definition** Whether to follow the project notification setting. **Constraints** N/A **Range** N/A **Default Value** N/A

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Table 4-169 events

Parameter	Mandatory	Type	Description
id	No	String	**Definition** Event ID. **Constraints** N/A **Range** N/A **Default Value** N/A
selected	No	Boolean	**Definition** Selected or not. **Constraints** N/A **Range** N/A **Default Value** N/A
notice_roles	No	Array of strings	**Definition** List of roles to be notified. **Constraints** N/A **Range** N/A **Default Value** N/A
receivers	No	Array of strings	**Definition** Custom member. **Constraints** N/A **Range** N/A **Default Value** N/A

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Table 4-170 webhook_config

Parameter	Mandatory	Type	Description
notice_id	No	String	**Definition** Notification ID. **Constraints** N/A **Range** N/A **Default Value** N/A
url	No	String	**Definition** Webhook URL. **Constraints** N/A **Range** N/A **Default Value** N/A
events	No	Array of strings	**Definition** Event list. **Constraints** N/A **Range** N/A **Default Value** N/A
options	No	Array of strings	**Definition** List of notification options. **Constraints** N/A **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
mentioned_list	No	Array of strings	**Definition** List of mentioned users in the notification. **Constraints** N/A **Range** N/A **Default Value** N/A
mentioned_mobile_list	No	Array of strings	**Definition** List of mentioned mobile numbers. **Constraints** N/A **Range** N/A **Default Value** N/A
secret_info	No	String	**Definition** Key information. **Constraints** N/A **Range** N/A **Default Value** N/A
sort_index	No	Integer	**Definition** Sorting and indexing. **Constraints** N/A **Range** N/A **Default Value** N/A

Response Parameters

Status code: 200

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Table 4-171 Response body parameters

Parameter	Type	Description
result	Array of **result** objects	**Definition** Response body for batch operations on pipelines. **Range** N/A

Table 4-172 result

Parameter	Type	Description
pipeline_id	String	**Definition** Pipeline ID. **Range** The value consists of 32 characters, including only digits and letters.
pipeline_name	String	**Definition** Pipeline name. **Range** Enter 1 to 128 characters, including only letters, digits, hyphens (-), and underscores (_).
status	String	**Definition** Operation status. DELETE_FAILED indicates that the deletion fails. DELETE_SUCCESS indicates that the deletion is successful. SUCCESS indicates that the operation is successful. FAILED indicates that the operation fails. **Range** **DELETE_FAILED**, **DELETE_SUCCESS**, **SUCCESS**, and **FAILED**.
reason	String	**Definition** Operation failure cause. **Range** N/A

Example Requests

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipelines/batch-update/notice
```

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```
{
  "pipeline_ids" : [ "fe2cee7c8d2f4059a9b3b52ec0b94d11", "cbe95455be034fdb8064ede2d6b63cfd" ],
  "notice_events" : [ {
    "type" : 1,
    "enable" : false,
    "switch_enable" : true,
    "events" : [ {
      "id" : "pipelineRun.succeed",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    }, {
      "id" : "pipelineRun.failed",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    }, {
      "id" : "pipeline.deleted",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    }, {
      "id" : "pipeline.updated",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    } ]
  }, {
    "type" : 2,
    "enable" : false,
    "switch_enable" : true,
    "events" : [ {
      "id" : "pipelineRun.succeed",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    }, {
      "id" : "pipelineRun.failed",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    }, {
      "id" : "pipeline.deleted",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    }, {
      "id" : "pipeline.updated",
      "selected" : true,
      "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
      "receivers" : [ "c5d7272cfff4b4495b338934fa34a345e" ]
    } ]
  } ]
}
```

Example Responses

Status code: 200

```
{
  "result" : [ {
    "pipeline_id" : "fe2cee7c8d2f4059a9b3b52ec0b94d11",
    "pipeline_name" : "NewPipeline-20251229203112",
    "status" : "SUCCESS",
    "reason" : null
  }, {
    "pipeline_id" : "cbe95455be034fdb8064ede2d6b63cfd",
    "pipeline_name" : "NewPipeline-20251226154524",
    "status" : "SUCCESS",
```

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```
    "reason" : null
  } ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.21 Disabling a Pipeline

Function

This API is used to disable a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipelines/{pipeline_id}/ban

Table 4-173 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-174 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the disabling is successful. **Value range**: • true: The disabling is successful. • false: The disabling fails.

Status code: 400

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Table 4-175 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipelines/
a9278e7a9f394dacb07ab2529df7c201/ban
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	Response body for disabling pipelines.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.22 Setting Pipeline Tags in Batches

Function

This API is used to set pipeline tags in batches.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-tag/set-tags

Table 4-176 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-177 Request body parameters

Parameter	Mandatory	Type	Description
pipelineList	Yes	Array of strings	Pipeline ID list.
tagList	Yes	Array of strings	List of tag IDs.

Response Parameters

Status code: 200

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Table 4-178 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipeline-tag/set-tags

{
  "pipelineList" : [ "d7013d2402ff4cc88489ee5af324e049", "e94ac0c9c3a2429e97534cb2416b28ec",
"2c6a457c3f804e8faae7c6f2d125e1fd" ],
  "tagList" : [ "707b6711d3484578a1d848d889a7fa60" ]
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.23 Enabling a Pipeline

Function

This API is used to enable a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipelines/{pipeline_id}/unban

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Table 4-179 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-180 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the pipeline is successfully enabled.

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Status code: 400

Table 4-181 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v5/gdbdf969b32694524a949b5ef6b3e124a/api/pipelines/recf2018de4f4f7389f5bd470c58ce31/unban
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	Response body.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.24 Executing Pipelines in Batches

Function

This API is used to execute pipelines in batches.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/batch-runs

Table 4-182 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-183 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_ids	Yes	Array of strings	**Definition**: Pipeline ID list. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-184 Response body parameters

Parameter	Type	Description
result	Array of **result** objects	**Definition:** Response body for running pipelines in batches. **Value range**: N/A

Table 4-185 result

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: The value consists of 32 characters, including digits and letters.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/batch-runs

{
  "pipeline_ids" : [ "85f622d9d0ad4852a9451dbc9fe3156a", "0747d5a7099e45f69dc1d099945909a9" ]
}
```

Example Responses

Status code: 200

```
{
  "result" : [ {
    "pipeline_id" : "85f622d9d0ad4852a9451dbc9fe3156a",
    "pipeline_run_id" : "e1a1c7e76c7040159650fb18a0c6c763"
  }, {
    "pipeline_id" : "0747d5a7099e45f69dc1d099945909a9",
    "pipeline_run_id" : "a50a604cbd4242888d00bef7ec7b1a8e"
  } ]
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.25 Querying Pipeline Job Logs

Function

This API is used to query pipeline job logs.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/jobs/{jobRunId}/steps/{stepRunId}/exec-log

Table 4-186 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineRunId	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
jobRunId	Yes	String	**Definition:** Pipeline job ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
stepRunId	Yes	String	**Definition:** Pipeline step ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-187 Request body parameters

Parameter	Mandatory	Type	Description
start_offset	No	Long	**Parameter description**: Log start offset. **Constraints**: None. **Value range**: None. **Default value**: None.
end_offset	No	Long	**Parameter description**: Log end offset. **Constraints**: None. **Value range**: None. **Default value**: None.

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Parameter	Mandatory	Type	Description
limit	Yes	Long	**Parameter description**: Maximum number of log lines. **Constraints**: None. **Value range**: None. **Default value**: None.
sort	Yes	String	**Definition:** Sorting rule. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A
offset	Yes	Long	**Definition** Query offset. **Constraints** N/A **Range** The **offset** value must be no less than 0. **Default Value** N/A

Response Parameters

Status code: 200

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Table 4-188 Response body parameters

Parameter	Type	Description
has_more	Boolean	**Definition:** Whether there are more logs. **Value range**: • **true**: There are more logs. • **false**: There are no more logs.
end_offset	String	**Parameter description**: End offset of the log query. Enter the **end_offset** field in the request body to query logs on the next page. **Value range**: None.
start_offset	String	**Parameter description**: Start offset of the queried logs. Enter the **start_offset** field in the request body to query logs on the next page. **Value range**: None.
log	String	**Parameter description**: Log content. **Value range**: None.
step_run_id	String	**Parameter description**: ID of the step to which it belongs. **Value range**: None.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/
dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/80e0fbc621014b2d85d960e0a3a935ef/jobs/
806b3a5f0d504030af0bcf9a81347d9c/steps/ab9ac44f82004f8b9ab5d5a492122581/exec-log

{
  "start_offset" : 0,
  "end_offset" : 0,
  "offset" : 0,
  "limit" : 500,
  "sort" : "asc"
}
```

Example Responses

Status code: 200

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```
{
  "has_more" : true,
  "end_offset" : "5424",
  "start_offset" : "0",
  "log" : "[2024/06/20 17:26:35.044 GMT+08:00] [INFO]  : [JobStatusPlugin] onStarted:Status: Downloaded newer image for swzip-1.1.0",
  "step_run_id" : "ab9ac44f82004f8b9ab5d5a492122581"
}
```


Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.26 Passing a Delayed Execution Job

Function

This API is used to pass a delayed execution job.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/jobs/{jobRunId}/steps/{stepRunId}/delay-pass

Table 4-189 Path Parameters

Parameter	Mandatory	Type	Description
pipelineRunId	Yes	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.
jobRunId	Yes	String	Pipeline job ID.
stepRunId	Yes	String	Pipeline step ID.

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-190 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/
dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/164ef29bf79f4a82b8cba64250d3bf77/jobs/
e94c5568aa8c45feb6fd364ed54c1f60/steps/2fb1acc4c9474534a58c8d0378a8b5cd/delay-pass
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.27 Rejecting a Delayed Execution Job

Function

This API is used to reject a delayed execution job.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/jobs/{jobRunId}/steps/{stepRunId}/delay-refuse

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Table 4-191 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineRunId	Yes	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.
jobRunId	Yes	String	Pipeline job ID.
stepRunId	Yes	String	Pipeline step ID.

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-192 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/
dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/e06f48fb3d0543f6ad439d2ded80a2c7/jobs/
a5fc406c567d435e8375a17b9ace7e35/steps/a7d9b849ddeb46259c3dae452ebcb3e0/delay-refuse
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.28 Delaying the Execution for One Hour

Function

This API is used to delay the execution for one hour.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/jobs/{jobRunId}/steps/{stepRunId}/delay

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Table 4-193 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineRunId	Yes	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.
jobRunId	Yes	String	Pipeline job ID.
stepRunId	Yes	String	Pipeline step ID.

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-194 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/07bca108a47e42309eedc0c2be895f06/jobs/8bb8e58a736d40ce9854c7af95f9e053/steps/83f85157d1e343d69fb024654f8ad4d8/delay

{ }
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.29 Passing the Manual Check Point

Function

This API is used to pass the manual check point.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/steps/{step_run_id}/manual/pass

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Table 4-195 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
step_run_id	Yes	String	Pipeline step ID.

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-196 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/
dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/49d1f149d683497799a44f966fd285b7/jobs/
a4e8a0c45e744137903461dd01fdecff/steps/4330cd5b992b4a539bb8209de3db7278/manual/pass
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class AcceptCheckpointSolution {

    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
```

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```
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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        AcceptCheckpointRequest request = new AcceptCheckpointRequest();
        request.withStepRunId("{step_run_id}");
        request.withProjectId("{project_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            AcceptCheckpointResponse response = client.acceptCheckpoint(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = AcceptCheckpointRequest()
        request.step_run_id = "{step_run_id}"
        request.project_id = "{project_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.accept_checkpoint(request)
        print(response)
    except exceptions.ClientRequestException as e:
```

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```
        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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.AcceptCheckpointRequest{}
    request.StepRunId = "{step_run_id}"
    request.ProjectId = "{project_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.AcceptCheckpoint(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.

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.30 Rejecting the Manual Check Point

Function

This API is used to reject the manual check point.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/steps/{stepRunId}/manual/refuse

Table 4-197 Path Parameters

Parameter	Mandatory	Type	Description
stepRunId	Yes	String	**Definition**: Pipeline step ID. Obtain the ID by calling the API for **querying pipeline details**. **stages.jobs.steps** indicates the step ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-198 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/354cf6f0b16e46339ca37a177165f0f4/jobs/44df81750064499480dccc66872705ae/steps/e84931f21b1d45be99445c72fc086c47/manual/refuse
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.31 Resuming a Pipeline

Function

This API is used to resume a pipeline.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/jobs/{jobRunId}/steps/{stepRunId}/resume

Table 4-199 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipelineRunId	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
jobRunId	Yes	String	**Definition**: Pipeline job ID. You can find all manual review tasks from the **stages** field in the response body after calling the API for **obtaining pipeline execution details**. **JobRun.id** indicates the job ID. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A
stepRunId	Yes	String	**Definition**: Pipeline step ID. Obtain the ID by calling the API for **querying pipeline details**. **stages.jobs.steps** indicates the step ID. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-200 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/dc73b5ed58a64ab7a469b9480e5f6632/pipeline-runs/b72018a78183443b85a754f5f8dcab82/jobs/dff98cdf546a419e86d44563e652f09f/steps/91c3ede034af44f2a613531a32e87200/resume
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.32 Querying the Batch Pipeline Execution Result

Function

This API is used to query the batch pipeline execution result.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/batch-runs/result

Table 4-201 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-202 Request body parameters

Parameter	Mandatory	Type	Description
query	Yes	Array of **query** objects	**Definition**: Request body. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-203 query

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-204 Response body parameters

Parameter	Type	Description
result	Array of **result** objects	**Definition**: Response body. **Value range**: N/A

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Table 4-205 result

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.
pipeline_name	String	**Definition**: Pipeline name. **Value range**: N/A
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: N/A
status	String	**Definition**: Pipeline status. **Value range**: N/A
reason	String	**Definition**: Cause of the pipeline startup failure. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipelines/batch-runs/result

{
  "query" : [ {
    "pipeline_id" : "6ba9a2dbc7024c22a9a6614516dc22db",
    "pipeline_run_id" : "e41fe3981361476eb6dad17ad98c683c"
  } ]
}
```

Example Responses

Status code: 200

```
{
  "result" : [ {
```

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```
    "pipeline_id" : "6ba9a2dbc7024c22a9a6614516dc22db",
    "pipeline_name" : "Pipeline 1",
    "pipeline_run_id" : "e41fe3981361476eb6dad17ad98c683c",
    "status" : "START_FAILED",
    "reason" : "Current pipeline is banned."
  } ]
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.33 Switching Group Sequence

Function

This API is used to switch group sequence.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-group/swap

Table 4-206 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-207 Query Parameters

Parameter	Mandatory	Type	Description
groupId1	Yes	String	Group 1
groupId2	Yes	String	Group 2

Request Parameters

None

Response Parameters

Status code: 200

Table 4-208 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-group/swap?groupId1=0743e6fd00a946949a0a3e212d2181d1&groupId2=5b3f4b99c6064162be4ab959823e7965
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

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4.2.34 Querying CodeArts Pipeline Notifications

Function

This API is used to query CodeArts Pipeline notifications.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice

Table 4-209 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-210 Response body parameters

Parameter	Type	Description
[items]	Array of **QueryPipelineNoticeResp** objects	**Definition:** Response body. **Value range**: N/A

Table 4-211 QueryPipelineNoticeResp

Parameter	Type	Description
event_type	String	**Definition:** Event type. **Value range**: N/A
notice_data	**notice_data** object	**Definition:** Notification details. **Value range**: N/A

Table 4-212 notice_data

Parameter	Type	Description
notice_types	Array of strings	**Definition**: Pipeline notification type. **Range**: N/A
notice_roles	Array of strings	**Definition:** Notification rule. **Value range**: N/A

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Parameter	Type	Description
notice_users	String	**Definition:** User who receives notifications. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice
```

Example Responses

Status code: 200

```
[ {
  "event_type" : "pipeline.updated",
  "notice_data" : {
    "notice_types" : [ "MESSAGE" ],
    "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
    "notice_users" : null
  }
}, {
  "event_type" : "pipeline.deleted",
  "notice_data" : {
    "notice_types" : [ "MESSAGE" ],
    "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
    "notice_users" : null
  }
}, {
  "event_type" : "pipelineRun.succeed",
  "notice_data" : {
    "notice_types" : [ "MESSAGE" ],
    "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
    "notice_users" : null
  }
}, {
  "event_type" : "pipelineRun.failed",
  "notice_data" : {
    "notice_types" : [ "MESSAGE" ],
    "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ],
    "notice_users" : null
  }
} ]
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

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4.2.35 Updating CodeArts Pipeline notifications

Function

This API is used to update CodeArts Pipeline notifications.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice

Table 4-213 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-214 Request body parameters

Parameter	Mandatory	Type	Description
event_type	Yes	String	Event type.
notice_data	Yes	**notice_data** object	Details.

Table 4-215 notice_data

Parameter	Mandatory	Type	Description
notice_types	Yes	Array of strings	Pipeline notification type.
notice_roles	Yes	Array of strings	Notification rules.

Response Parameters

Status code: 200

Table 4-216 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice

{
  "event_type" : "pipeline.deleted",
  "notice_data" : {
    "notice_types" : [ "MESSAGE", "EMAIL" ],
    "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ]
  }
}
```

Example Responses

Status code: 200

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```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.36 Enabling or Disabling CodeArts Pipeline Notifications

Function

This API is used to enable or disable CodeArts Pipeline notifications.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/all

Table 4-217 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-218 Request body parameters

Parameter	Mandatory	Type	Description
notice_type	Yes	String	Pipeline notification type.
notice_switch	Yes	Boolean	Switch status.

Response Parameters

Status code: 200

Table 4-219 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice/all

{
```

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```
  "notice_type" : "officialNotice",
  "notice_switch" : false
}
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.37 Querying Third-Party Pipeline Notifications

Function

This API is used to query third-party pipeline notifications.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/message

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Table 4-220 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-221 Response body parameters

Parameter	Type	Description
[items]	Array of **PipelineThirdPartyNoticeResp** objects	**Definition**: Response body of the third-party pipeline notifications. **Value range**: N/A

Table 4-222 PipelineThirdPartyNoticeResp

Parameter	Type	Description
notice_id	String	**Definition**: Notification ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_id	String	**Definition**: Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
notice_type	String	**Definition**: Message type. **Value range**: N/A
notice_status	Boolean	**Definition**: Message status. **Value range**: N/A
send_url	String	**Definition**: Sending URL. **Value range**: N/A
notice_events	Array of strings	**Definition**: Event type. **Value range**: N/A

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Parameter	Type	Description
notice_contents	Array of strings	**Definition**: Message content. **Value range**: N/A
notice_users	Array of strings	**Definition**: User who sends the message. **Value range**: N/A
secret_info	String	**Definition**: Key information. **Value range**: N/A
sort_index	Integer	**Definition**: Sorting order. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/
0747d5a7099e45f69dc1d099945909a9/notice/message
```

Example Responses

Status code: 200

```
[ {
  "notice_id" : "dd58644df44d426d862eea6f8a456b43",
  "pipeline_id" : "0747d5a7099e45f69dc1d099945909a9",
  "notice_type" : "feishu",
  "notice_status" : false,
  "send_url" : "https://123",
  "notice_events" : [ "pipelineRun.pause" ],
  "notice_contents" : [ "projectName" ],
  "notice_users" : [ "12" ],
  "secret_info" : "12",
  "sort_index" : 0
} ]
```

Status Codes

Status Code	Description
200	Response body.

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Error Codes

See **Error Codes**.

4.2.38 Updating Third-Party Pipeline Notifications

Function

This API is used to update third-party pipeline notifications.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/message

Table 4-223 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-224 Request body parameters

Parameter	Mandatory	Type	Description
notice_id	Yes	String	**Definition**: Message ID. **Value range**: N/A
notice_type	Yes	String	**Definition**: Message type. **Value range**: N/A
notice_status	Yes	Boolean	**Definition**: Message status. **Value range**: N/A
send_url	Yes	String	**Definition**: Sending URL. **Value range**: N/A
secret_info	Yes	String	**Definition**: Key information. **Value range**: N/A
notice_events	Yes	Array of strings	**Definition**: Notification event. **Value range**: N/A
notice_contents	Yes	Array of strings	**Definition**: Notification content. **Value range**: N/A
notice_users	Yes	Array of strings	**Definition**: User who receives notifications. **Value range**: N/A

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Parameter	Mandatory	Type	Description
sort_index	Yes	Integer	**Definition**: Sorting order. **Value range**: N/A

Response Parameters

Status code: 200

Table 4-225 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/
0747d5a7099e45f69dc1d099945909a9/notice/message

{
  "notice_id" : "dd58644df44d426d862eea6f8a456b43",
  "notice_type" : "feishu",
  "notice_status" : true,
  "send_url" : "https://123",
  "secret_info" : "121",
  "notice_events" : [ "pipelineRun.pause" ],
  "notice_contents" : [ "projectName" ],
  "notice_users" : [ "12" ],
  "sort_index" : 0
}
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

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Error Codes

See **Error Codes**.

4.2.39 Querying the Status of All Notification Types for a Pipeline

Function

Querying the Enabling Status of All Message Notification Types in a Pipeline

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/status

Table 4-226 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-227 Response body parameters

Parameter	Type	Description
type	Integer	**Definition**: Pipeline notification type. **Range**: • **1**: System messages. • **2**: Email notifications. • **3**: WeCom. • **4**: DingTalk. • **5**: Feishu. • **6**: Webhooks. **Default value**: N/A
enabled	Boolean	**Definition**: Whether to enable notifications.

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Parameter	Type	Description
project_switch	Boolean	**Definition**: Whether to use project-level notification settings.
can_open	Boolean	**Definition**: Whether notifications can be enabled.

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice/status
```

Example Responses

Status code: 200

```
[ {
  "type" : 5,
  "enabled" : false,
  "project_switch" : false,
  "can_open" : true
}, {
  "type" : 3,
  "enabled" : false,
  "project_switch" : true,
  "can_open" : true
}, {
  "type" : 4,
  "enabled" : false,
  "project_switch" : true,
  "can_open" : true
}, {
  "type" : 1,
  "enabled" : false,
  "project_switch" : false,
  "can_open" : true
}, {
  "type" : 2,
  "enabled" : true,
  "project_switch" : false,
  "can_open" : true
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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4.2.40 Enabling or Disabling Notification Types for a Pipeline

Function

This API is used to enable or disable a notification type for a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/status

Table 4-228 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-229 Request body parameters

Parameter	Mandatory	Type	Description
type	No	Integer	**Definition**: Pipeline notification type. **Constraints**: N/A **Range**: • **1**: System messages. • **2**: Email notifications. • **3**: WeCom. • **4**: DingTalk. • **5**: Feishu. • **6**: Webhooks. **Default value**: N/A
enable	No	Boolean	**Definition**: Whether to enable notifications. **Constraints**: N/A **Value range**: • **true**: enable notifications. • **false**: disable notifications. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-230 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition**: When a notification type for a pipeline is enabled. **Range**: • **true**: enabled. • **false**: disabled.

Example Requests

```
PUT https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice/status

{
  "enable" : true,
  "type" : 3
}
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.41 Enabling or Disabling Inheritance of Project-Level Notification Settings for a Pipeline

Function

Whether to enable pipeline message notification synchronization with project configurations.

Calling Method

For details, see **Calling APIs**.

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URI

PUT /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/conf-switch

Table 4-231 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-232 Request body parameters

Parameter	Mandatory	Type	Description
type	No	Integer	**Definition**: Pipeline notification type. **Constraints**: N/A **Range**: • **1**: System messages. • **2**: Email notifications. • **3**: WeCom. • **4**: DingTalk. • **5**: Feishu. • **6**: Webhooks. **Default value**: N/A
enable	No	Boolean	**Definition**: Whether to use project-level notification settings. **Constraints**: N/A **Range**: • **true**: Use project-level notification settings. • **false**: Use pipeline-level notification settings. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-233 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition**: Whether inheritance of project-level notification settings is enabled. **Range**: • **true**: enabled. • **false**: disabled.

Example Requests

```
PUT https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice/conf-switch

{
  "enable" : true,
  "type" : 3
}
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.42 Querying Pipeline Notification Details by Type

Function

This API is used to query pipeline notification configuration details based on the notification type.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/detail

Table 4-234 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-235 Query Parameters

Parameter	Mandatory	Type	Description
type	Yes	Integer	**Definition**: Pipeline notification type. **Constraints**: N/A **Range**: • **1**: System messages. • **2**: Email notifications. • **3**: WeCom. • **4**: DingTalk. • **5**: Feishu. • **6**: Webhooks. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-236 Response body parameters

Parameter	Type	Description
type	Integer	**Definition**: Pipeline notification type. **Range**: • **1**: System messages. • **2**: Email notifications. • **3**: WeCom. • **4**: DingTalk. • **5**: Feishu. • **6**: Webhooks. **Default value**: N/A

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Parameter	Type	Description
events	Array of **EventStatusDTO** objects	**Definition**: Configuration of notification events from third parties.
webhook_config	**ThirdPartEventDTO** object	**Definition**: Configuration of notification events from third parties. **Range**: N/A **Default value**: N/A

Table 4-237 EventStatusDTO

Parameter	Type	Description
id	String	**Definition**: Event type.
selected	Boolean	**Definition**: Whether to enable event notifications.
name	String	**Definition**: Notification event name.
english_name	String	**Definition**: Name of the notification event (in English).
resource_role_receivers	Array of strings	**Definition**: Recipient list.

Table 4-238 ThirdPartEventDTO

Parameter	Type	Description
notice_id	String	**Definition**: Third-party notification configuration ID, the unique identifier of the third-party notification. **Range**: N/A **Default value**: N/A

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Parameter	Type	Description
url	String	**Definition**: URL of the third-party notification. It can be obtained from the corresponding third-party platform. **Range**: N/A **Default value**: N/A
events	Array of strings	**Definition**: Pipeline event type. **Range**: • **pipelineRun.succeed**: completed. • **pipelineRun.failed**: failed. • **pipelineRun.pause**: paused. • **pipelineRun.suspend**: suspended. • **pipelineRun.ignored**: ignored. **Default value**: N/A
options	Array of strings	**Definition**: Notification content list. **Range**: N/A **Default value**: N/A
mentioned_list	Array of strings	**Definition**: Third-party user ID list. User IDs are separated by commas (,). **Range**: N/A **Default value**: N/A
mentioned_mobile_list	Array of strings	**Definition**: Mobile number list. **Range**: N/A **Default value**: N/A

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Parameter	Type	Description
secret_info	String	**Definition**: Signature key.

Status code: 400

Table 4-239 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/0747d5a7099e45f69dc1d099945909a9/notice/detail
```

Example Responses

Status code: 200

```
{
  "events" : [ {
    "id" : "pipeline.updated",
    "name" : null,
    "selected" : false,
    "english_name" : null,
    "resource_role_receivers" : null
  }, {
    "id" : "pipeline.deleted",
    "name" : null,
    "selected" : false,
    "english_name" : null,
    "resource_role_receivers" : null
  }, {
    "id" : "pipelineRun.succeed",
    "name" : null,
    "selected" : false,
    "english_name" : null,
    "resource_role_receivers" : null
  }, {
    "id" : "pipelineRun.failed",
    "name" : null,
    "selected" : false,
    "english_name" : null,
    "resource_role_receivers" : null
```

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```
 } ],
 "webhook_config" : null
}
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.43 Modifying the Instance-Level Notification Configuration of a Pipeline

Function

This API is used to modify the instance-level notification configuration of a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipeline-notices/{pipeline_id}/notice/update

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Table 4-240 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-241 Request body parameters

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Notification type. **Constraints**: N/A **Value range**: • **1**: System messages. • **2**: Email notifications. • **3**: WeCom. • **4**: DingTalk. • **5**: Feishu. • **6**: Webhooks. **Default value**: N/A
event	No	**event** object	**Definition**: Notification event details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-242 event

Parameter	Mandatory	Type	Description
id	No	String	**Definition**: Notification event type ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
selected	No	Boolean	**Definition**: Whether to enable the notification event type. **Constraints**: N/A **Value range**: • **true**: enabled • **false**: disabled **Default value**: N/A
notice_roles	No	Array of strings	**Definition**: List of roles to which notifications are sent. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-243 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	**Definition**: Error information. If no error is reported, the error field is not returned. **Range**: N/A
result	Object	**Definition**: Returned result. **Range**: N/A

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Parameter	Type	Description
status	String	**Definition:** Status value. **Value range**: N/A

Table 4-244 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Status code: 400

Table 4-245 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-notices/
0747d5a7099e45f69dc1d099945909a9/notice/update

{
  "type" : "2",
  "event" : {
    "id" : "pipelineRun.failed",
```

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```
    "selected" : true,
    "notice_roles" : [ "CREATOR", "EXECUTOR", "COLLECTOR" ]
  }
}
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.2.44 Querying Pipeline Role Permissions

Function

This API is used to query pipeline role permissions.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-permissions/{pipeline_id}/role-permission

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Table 4-246 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-247 Response body parameters

Parameter	Type	Description
roles	Array of **roles** objects	**Definition:** Details. **Value range**: N/A

Table 4-248 roles

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
role_id	Integer	**Definition:** Role ID. **Value range**: N/A
role_name	String	**Definition:** Role name. **Value range**: N/A
operation_query	Boolean	**Definition:** Whether the query permission is granted. **Value range**: • **true**: The query permission is granted. • **false**: The query permission is not granted.
operation_execute	Boolean	**Definition:** Whether the execution permission is granted. **Value range**: • **true**: The execution permission is granted. • **false**: The execution permission is not granted.

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Parameter	Type	Description
operation_update	Boolean	**Definition:** Whether the edit permission is granted. **Value range**: • **true**: The edit permission is granted. • **false**: The edit permission is not granted.
operation_delete	Boolean	**Definition:** Whether the delete permission is granted. **Value range**: • **true**: The delete permission is granted. • **false**: The delete permission is not granted.
operation_authorize	Boolean	**Definition:** Whether the permission to edit pipeline permission configurations is granted. **Value range**: • **true**: The permission to edit pipeline permission configurations is granted. • **false**: The permission to edit pipeline permission configurations is not granted.

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-permissions/
0747d5a7099e45f69dc1d099945909a9/role-permission
```

Example Responses

Status code: 200

```
{
  "roles" : [ {
    "pipeline_id" : null,
    "role_id" : 1,
    "role_name" : "Pipeline creator.",
    "operation_query" : true,
    "operation_execute" : true,
    "operation_update" : true,
    "operation_delete" : true,
    "operation_authorize" : false
  } ]
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.45 Querying Pipeline User Permissions

Function

This API is used to query pipeline user permissions.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-permissions/{pipeline_id}/user-permission

Table 4-249 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-250 Query Parameters

Parameter	Mandatory	Type	Description
subject	No	String	**Definition:** Fuzzy search by username. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
limit	Yes	Long	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
offset	Yes	Long	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

Request Parameters

Table 4-251 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-252 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts. **Value range**: The **offset** value must be no less than 0.

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Parameter	Type	Description
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Integer	**Definition:** Total number of queried records. **Value range**: N/A
users	Array of **users** objects	**Definition:** User permissions. **Value range**: N/A

Table 4-253 users

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: N/A
role_id	Integer	**Definition:** Role ID. **Value range**: N/A
role_name	String	**Definition:** Role name. **Value range**: N/A
operation_query	Boolean	**Definition:** Query permission. **Value range**: N/A
operation_execute	Boolean	**Definition:** Execution permission. **Value range**: N/A

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Parameter	Type	Description
operation_update	Boolean	**Definition:** Edit permission. **Value range**: N/A
operation_delete	Boolean	**Definition:** Delete permission. **Value range**: N/A
operation_authorize	Boolean	**Definition:** Permission to edit the pipeline permission configurations. **Value range**: N/A
user_id	String	**Definition:** User ID. **Value range**: N/A
user_name	String	**Definition:** Username. **Value range**: N/A
domain_name	String	**Definition:** Tenant name. **Value range**: N/A
nick_name	String	**Definition:** Nickname. **Value range**: N/A
remark_name	String	**Definition:** Remarks. **Value range**: N/A

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Parameter	Type	Description
tags	String	**Definition:** Label. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-permissions/0747d5a7099e45f69dc1d099945909a9/user-permission?subject=&limit=10&offset=0
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 1,
  "users" : [ {
    "pipeline_id" : "0747d5a7099e45f69dc1d099945909a9",
    "role_id" : 1,
    "role_name" : "Pipeline creator",
    "operation_query" : true,
    "operation_execute" : true,
    "operation_update" : true,
    "operation_delete" : true,
    "operation_authorize" : false,
    "user_id" : "123456",
    "user_name" : "p_t123",
    "domain_name" : "1234546",
    "nick_name" : "n23456",
    "remark_name" : null,
    "tags" : null
  } ]
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.46 Modifying Pipeline Role Permissions

Function

This API is used to modify pipeline role permissions.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-permissions/{pipeline_id}/update-role-permission

Table 4-254 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-255 Request body parameters

Parameter	Mandatory	Type	Description
operation_query	Yes	Boolean	Permission to query.
operation_execute	Yes	Boolean	Permission to execute.
operation_update	Yes	Boolean	Permission to edit.
operation_delete	Yes	Boolean	Permission to delete.
operation_authorize	Yes	Boolean	Permission configuration permissions.
role_id	Yes	Integer	Role ID.

Response Parameters

Status code: 200

Table 4-256 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-permissions/
0747d5a7099e45f69dc1d099945909a9/update-role-permission

{
  "operation_query" : true,
  "operation_execute" : true,
  "operation_update" : true,
  "operation_delete" : false,
  "operation_authorize" : false,
  "role_id" : 4
}
```

Example Responses

Status code: 200

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```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.47 Modifying Pipeline User Permissions

Function

This API is used to modify pipeline user permissions.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-permissions/{pipeline_id}/update-user-permission

Table 4-257 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-258 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_id	No	String	Pipeline ID.
operation_query	Yes	Boolean	Permission to query.
operation_execute	Yes	Boolean	Permission to execute.
operation_update	Yes	Boolean	Permission to edit.
operation_delete	Yes	Boolean	Permission to delete.
operation_authorize	Yes	Boolean	Permission configuration permissions.
user_id	Yes	String	User ID.

Response Parameters

Status code: 200

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Table 4-259 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipeline-permissions/53acae73a3f44b2994f9b20a710721c6/update-user-permission

{
  "pipeline_id" : "53acae73a3f44b2994f9b20a710721c6",
  "operation_query" : false,
  "operation_execute" : true,
  "operation_update" : true,
  "operation_delete" : true,
  "operation_authorize" : false,
  "user_id" : "c5d7272cff4b4495b338934fa34a345e"
}
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.48 Querying Whether Pipeline Resource-Level Permission Is Enabled

Function

This API is used to query whether pipeline resource-level permission is enabled.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v5/{project_id}/api/pipeline-permissions/{pipeline_id}/permission-switch

Table 4-260 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-261 Response body parameters

Parameter	Type	Description
is_use_devuc	Boolean	Whether to enable project permission configuration.
is_allow_edit	Boolean	Whether the permissions can be edited.

Example Requests

```
GET https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipeline-permissions/53acae73a3f44b2994f9b20a710721c6/permission-switch
```

Example Responses

Status code: 200

```
{
  "is_use_devuc" : false,
  "is_allow_edit" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.49 Updating Pipeline Resource-Level Permissions Status

Function

This API is used to update pipeline resource-level permissions status.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipeline-permissions/{pipeline_id}/update-permission-switch

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Table 4-262 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-263 Query Parameters

Parameter	Mandatory	Type	Description
flag	Yes	Boolean	**Definition:** Whether to enable resource-level permissions. **Constraints**: N/A **Value range**: • true: The resource-level permissions are enabled. • false: The resource-level permissions are disabled. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-264 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipeline-permissions/53acae73a3f44b2994f9b20a710721c6/update-permission-switch?flag=true
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.50 Setting Pipeline Resource-Level Permissions for Different Roles

Function

This API is used to set pipeline resource-level permissions for different roles.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-permissions/pipeline/batch-role-permission

Table 4-265 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-266 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_ids	Yes	Array of strings	Pipeline ID list.
is_project_switch	Yes	Boolean	Whether to enable project permission configuration.
roles	Yes	Array of **roles** objects	Role details list.

Table 4-267 roles

Parameter	Mandatory	Type	Description
operation_authorize	Yes	Boolean	Permission configuration permissions.
operation_delete	Yes	Boolean	Permission to delete.
operation_execute	Yes	Boolean	Permission to execute.
operation_query	Yes	Boolean	Permission to query.
operation_update	Yes	Boolean	Permission to update.
role_id	Yes	Integer	Role ID.

Response Parameters

Status code: 200

Table 4-268 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Response status. **Value range**: N/A

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Example Requests

POST https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipeline-permissions/pipeline/batch-role-permission

```
{
  "pipeline_ids" : [ "53acae73a3f44b2994f9b20a710721c6", "146542db758a4dc0995b44dff13e1933" ],
  "is_project_switch" : false,
  "roles" : [ {
    "operation_authorize" : false,
    "operation_delete" : true,
    "operation_execute" : true,
    "operation_query" : true,
    "operation_update" : true,
    "role_id" : 3
  }, {
    "operation_authorize" : false,
    "operation_delete" : false,
    "operation_execute" : true,
    "operation_query" : true,
    "operation_update" : false,
    "role_id" : 4
  }, {
    "operation_authorize" : false,
    "operation_delete" : false,
    "operation_execute" : true,
    "operation_query" : true,
    "operation_update" : false,
    "role_id" : 5
  }, {
    "operation_authorize" : false,
    "operation_delete" : false,
    "operation_execute" : false,
    "operation_query" : true,
    "operation_update" : false,
    "role_id" : 6
  }, {
    "operation_authorize" : false,
    "operation_delete" : true,
    "operation_execute" : true,
    "operation_query" : true,
    "operation_update" : true,
    "role_id" : 7
  }, {
    "operation_authorize" : false,
    "operation_delete" : false,
    "operation_execute" : false,
    "operation_query" : true,
    "operation_update" : false,
    "role_id" : 8
  }, {
    "operation_authorize" : false,
    "operation_delete" : false,
    "operation_execute" : false,
    "operation_query" : true,
    "operation_update" : false,
    "role_id" : 9
  } ]
}
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.51 Canceling a Pipeline Queuing

Function

This API is used to cancel a pipeline queuing.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/{pipelineRunId}/cancel-queuing/{id}

Table 4-269 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineRunId	Yes	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.
id	Yes	String	Pipeline queuing ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-270 Response body parameters

Parameter	Type	Description
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipelines/
c173d99dbbb54626b64cf5694c0a4e8e/071112d87d3e4ed49130c691936202e9/cancel-queuing/1
```

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Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "8173263bf6c743f4b13f65bbf62dbf2c"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.52 Querying Queuing Records in the Current Pipeline

Function

This API is used to query the queuing records in the current pipeline.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/queued-pipeline

Table 4-271 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-272 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	Long	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-273 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts. **Value range**: The **offset** value must be no less than 0.
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.
queuedPipelines	Array of **queuedPipelines** objects	**Definition:** Queuing record list. **Value range**: N/A

Table 4-274 queuedPipelines

Parameter	Type	Description
id	Integer	**Definition:** Queuing record ID. **Value range**: N/A
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: The value consists of 32 characters, including digits and letters.
region	String	**Definition:** Region. **Value range**: N/A
enqueue_time	Integer	**Definition:** Enqueuing time. **Value range**: N/A
trigger_type	String	**Definition:** Trigger type. **Value range**: N/A
creator_id	String	**Definition:** ID of the user who triggers the pipeline. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Name of the user who triggers the pipeline. **Value range**: N/A
status	String	**Definition**: Queuing status. **QUEUED**: queuing; **QUEUED_TIME_OUT**: queuing timed out. **Value range**: **QUEUED**, **QUEUED_TIME_OUT**.
merge_id	String	**Definition**: ID of a queued MR. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipelines/
c173d99dbbb54626b64cf5694c0a4e8e/queued-pipeline?offset=0&limit=10
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 1,
  "queuedPipelines" : [ {
    "id" : 136,
    "pipeline_id" : "c173d99dbbb54626b64cf5694c0a4e8e",
    "pipeline_run_id" : "b5c22bc545144ea7bf761191821c8b36",
    "region" : "{region}",
    "enqueue_time" : 1718951334000,
    "trigger_type" : "Manual",
    "creator_id" : "123456",
    "creator_name" : "123-5",
    "status" : "QUEUED",
    "merge_id" : 123456
  } ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.53 Querying the Running Records of a Pipeline of the Old Version

Function

This API is used to query the running records of a pipeline of the old version.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/list-legacy

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Table 4-275 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-276 Request body parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset.
limit	Yes	Long	Number of records on each page.
status	No	String	Status.
sort_key	No	String	Sorting key.
sort_dir	No	String	(Optional) Sorting type. asc: Ascending; desc: Descending.

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Parameter	Mandatory	Type	Description
start_time	Yes	String	Start time.
end_time	Yes	String	End time.

Response Parameters

Status code: 200

Table 4-277 Response body parameters

Parameter	Type	Description
offset	Integer	Offset.
limit	Integer	Number of records on each page.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.
pipeline_runs	Array of **pipeline_runs** objects	Details list.

Table 4-278 pipeline_runs

Parameter	Type	Description
pipeline_id	String	Pipeline ID.
pipeline_run_id	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.
executor_id	String	Executor ID.
executor_name	String	Executor name.
executor_user_name	String	Executor username.
stage_status_list	Array of **stage_status_list** objects	Stage status.
status	String	Running status.
run_number	Integer	Running No.

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Parameter	Type	Description
trigger_type	String	Trigger type.
build_params	String	Build parameter.
artifact_params	String	Build artifact parameter.
start_time	Integer	Start time.
end_time	Integer	End time.
modify_url	String	The modifying page URL.
detail_url	String	The details page URL.

Table 4-279 stage_status_list

Parameter	Type	Description
id	String	Stage ID.
name	String	Stage name.
sequence	Integer	Stage No.
status	String	Stage status.
start_time	String	Start time.
end_time	String	End time.

Example Requests

```
POST https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipelines/
e69862ac24f843fcb4ce4d5fe88ebcb7/pipeline-runs/list-legacy

{
  "offset" : 0,
  "limit" : 10,
  "status" : null,
  "sort_key" : "start_time",
  "sort_dir" : "",
  "start_time" : "2024-05-22 00:00:00",
  "end_time" : "2024-06-21 14:35:40"
}
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 1,
  "pipeline_runs" : [ {
    "pipeline_id" : "e69862ac24f843fcb4ce4d5fe88ebcb7",
    "pipeline_run_id" : "703177350",
```

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```
  "executor_id" : "847a5317086c41798469d0868535943a",
  "executor_name" : "be123",
  "executor_user_name" : "test",
  "stage_status_list" : [ {
    "id" : "",
    "name" : "Pipeline source",
    "sequence" : 0,
    "status" : "COMPLETED",
    "start_time" : "2024-06-21 14:38:07",
    "end_time" : "2024-06-21 14:38:07"
  }, {
    "id" : "",
    "name" : "Build and check",
    "sequence" : 1,
    "status" : "COMPLETED",
    "start_time" : "2024-06-21 14:38:07",
    "end_time" : "2024-06-21 14:38:07"
  } ],
  "status" : "COMPLETED",
  "run_number" : 1,
  "trigger_type" : "Manual",
  "build_params" : null,
  "artifact_params" : null,
  "start_time" : 1718951888000,
  "end_time" : 1718951888000,
  "modify_url" : null,
  "detail_url" : null
 } ]
}
```


Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.54 Querying Parameters Used in a Pipeline

Function

This API is used to query parameters used in a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/run-variables

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Table 4-280 Path Parameters

Parameter	Mandatory	Type	Description
pipelineRunId	Yes	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-281 Query Parameters

Parameter	Mandatory	Type	Description
mode	Yes	Integer	Query mode. 0: user-defined parameter; 1: system parameter; 2: parameter group.

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-282 Response body parameters

Parameter	Type	Description
[items]	Array of **ListRunVariables-Resp** objects	Response body.

Table 4-283 ListRunVariablesResp

Parameter	Type	Description
name	String	Parameter name.
sequence	String	Parameter sequence number.
type	String	Parameter type.
value	String	Parameter value.
is_secret	Boolean	Whether the parameter is private. **true**: private; **false**: not private.
description	String	Description.
is_runtime	String	Whether the parameter must be set at runtime. **true**: The parameter must be set at runtime. **false**: The parameter does not need to be set at runtime.
limits	String	Parameter limit value.
is_reset	Boolean	Reset or not.
latest_value	String	Parameter value of the latest run.
required	Boolean	Mandatory or not. **true**: mandatory; **false**: optional.
variableGroupName	String	Parameter group name.

Example Requests

```
GET https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipelines/53acae73a3f44b2994f9b20a710721c6/pipeline-runs/13a48f79f7104f9785720cf2c11890ba/run-variables?mode=0
```

Example Responses

Status code: 200

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- Result of querying pipeline running parameters.


```
[ {
  "name" : "PROJECT_ID",
  "sequence" : null,
  "type" : "string",
  "value" : "071112d87d3e4ed49130c691936202e9",
  "is_secret" : false,
  "description" : "ID of the project to which the current pipeline belongs.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "PIPELINE_ID",
  "sequence" : null,
  "type" : "string",
  "value" : "53acae73a3f44b2994f9b20a710721c6",
  "is_secret" : false,
  "description" : "ID of the current pipeline.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "PIPELINE_NUMBER",
  "sequence" : null,
  "type" : "string",
  "value" : "34",
  "is_secret" : false,
  "description" : "Pipeline execution number.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "COMMIT_ID",
  "sequence" : null,
  "type" : "string",
  "value" : "fc315b91f027d252be756ade0b4263f6b6be58f4",
  "is_secret" : false,
  "description" : "The last commit ID before execution",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "COMMIT_ID_SHORT",
  "sequence" : null,
  "type" : "string",
  "value" : "fc315b91",
  "is_secret" : false,
  "description" : "The last short commit ID before execution",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "TIMESTAMP",
  "sequence" : null,
```


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```
  "type" : "string",
  "value" : "20240621144916",
  "is_secret" : false,
  "description" : "Pipeline execution timestamp. For example, **20211222124301**.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "PIPELINE_TRIGGER_TYPE",
  "sequence" : null,
  "type" : "string",
  "value" : "Manual",
  "is_secret" : false,
  "description" : "Pipeline trigger type, which can be **Manual**, **Scheduler**, or **RollBack**, and
Webhook type, which can be **CreateTag**, **Note**, **Issue**, **MR**, or **Push**.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "REPO_URL",
  "sequence" : null,
  "type" : "string",
  "value" : "https://001/test.git",
  "is_secret" : false,
  "description" : "Code repository address (HTTPS)",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "PIPELINE_RUN_ID",
  "sequence" : null,
  "type" : "string",
  "value" : "13a48f79f7104f9785720cf2c11890ba",
  "is_secret" : false,
  "description" : "Pipeline execution ID.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_REPOSITORY_NAME",
  "sequence" : null,
  "type" : "string",
  "value" : "test",
  "is_secret" : false,
  "description" : "Repository name.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_SOURCE_BRANCH",
  "sequence" : null,
  "type" : "string",
  "value" : "",
  "is_secret" : false,
```

```
  "description" : "Name of the source branch for repository running",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_TARGET_BRANCH",
  "sequence" : null,
  "type" : "string",
  "value" : "branch-001",
  "is_secret" : false,
  "description" : "Name of the target branch for repository running",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_TAG",
  "sequence" : null,
  "type" : "string",
  "value" : "",
  "is_secret" : false,
  "description" : "Repository tag name.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_COMMIT_ID",
  "sequence" : null,
  "type" : "string",
  "value" : "fc315b91f027d252be756ade0b4263f6b6be58f4",
  "is_secret" : false,
  "description" : "The last commit ID before the repository execution.",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_COMMIT_ID_SHORT",
  "sequence" : null,
  "type" : "string",
  "value" : "fc315b91",
  "is_secret" : false,
  "description" : "The last short commit ID before execution",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
}, {
  "name" : "test_REPO_URL",
  "sequence" : null,
  "type" : "string",
  "value" : "https://1/test.git",
  "is_secret" : false,
  "description" : "Code repository address (HTTPS)",
  "is_runtime" : null,
  "limits" : null,
  "is_reset" : false,
```


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```
  "latest_value" : null,
  "required" : true,
  "variableGroupName" : null
} ]
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.55 Rolling Back the Pipeline Execution

Function

This API is used to roll back the pipeline execution.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/rollback-run

Table 4-284 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineRunId	Yes	String	Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID.

Request Parameters

Table 4-285 Request body parameters

Parameter	Mandatory	Type	Description
sources	Yes	Array of **sources** objects	Pipeline source.
description	No	String	Pipeline running description.
variables	No	Array of **variables** objects	Running parameters.
choose_jobs	Yes	Array of strings	Selected running jobs.
choose_stages	Yes	Array of strings	Selected running stages.

Table 4-286 sources

Parameter	Mandatory	Type	Description
type	Yes	String	Pipeline source type.

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Parameter	Mandatory	Type	Description
params	Yes	**params** object	Pipeline parameters.

Table 4-287 params

Parameter	Mandatory	Type	Description
git_type	Yes	String	Git repository type.
codehub_id	Yes	String	Repo repository ID.
default_branch	Yes	String	Default branch.
git_url	Yes	String	URL for downloading a Git repository.
alias	No	String	Repository alias.
endpoint_id	No	String	Endpoint ID.
build_params	Yes	**build_params** object	Build parameter.

Table 4-288 build_params

Parameter	Mandatory	Type	Description
build_type	Yes	String	Build type.
event_type	Yes	String	Event type.
target_branch	Yes	String	Target branch.
tag	No	String	Tag name.

Table 4-289 variables

Parameter	Mandatory	Type	Description
name	No	String	Parameter name.
sequence	No	Integer	Parameter No.
type	No	String	Parameter type.
value	No	String	Parameter value.
is_secret	No	Boolean	Whether the parameter is private or not.

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Parameter	Mandatory	Type	Description
description	No	String	Description.
is_runtime	No	Boolean	Whether the parameter can be set during runtime.
limits	No	Array of strings	Parameter limitations.
is_reset	No	Boolean	Reset or not.
latest_value	No	String	Value of the latest run.
required	No	Boolean	Required or not.
variableGroupName	No	String	Parameter group name.

Response Parameters

Status code: 200

Table 4-290 Response body parameters

Parameter	Type	Description
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipelines/
d7013d2402ff4cc88489ee5af324e049/pipeline-runs/6d65dd0bc411451b8fb70e8535eda3d8/rollback-run

{
  "sources" : [ {
    "type" : "code",
    "params" : {
      "git_type" : "codehub",
      "codehub_id" : "123456",
      "default_branch" : "master",
      "git_url" : "https://0001.git",
      "alias" : "",
      "endpoint_id" : "",
      "build_params" : {
        "build_type" : "branch",
        "event_type" : "Manual",
        "target_branch" : "master",
        "tag" : null
```

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```
    }
   }
  } ],
  "description" : "",
  "variables" : [ {
   "name" : "1",
   "sequence" : 1,
   "type" : "string",
   "value" : "1",
   "is_secret" : false,
   "description" : "",
   "is_runtime" : false,
   "limits" : [ ],
   "is_reset" : false,
   "latest_value" : "",
   "required" : true,
   "variableGroupName" : null
  }, {
   "name" : "2",
   "sequence" : 2,
   "type" : "string",
   "value" : "2",
   "is_secret" : false,
   "description" : "",
   "is_runtime" : false,
   "limits" : [ ],
   "is_reset" : false,
   "latest_value" : "",
   "required" : true,
   "variableGroupName" : null
  } ],
  "choose_jobs" : [ "Task_1" ],
  "choose_stages" : [ "state_4" ]
}
```

Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "d5e642b122fd453dbaff21d90dee5ac1"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.56 Obtaining the Step Redirection Link

Function

This API is used to obtain the step redirection link.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/jobs/{jobRunId}/steps/{stepRunId}/jump-link

Table 4-291 Path Parameters

Parameter	Mandatory	Type	Description
pipelineRunId	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
jobRunId	Yes	String	**Definition:** Pipeline job ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
stepRunId	Yes	String	**Definition:** Pipeline step ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-292 Response body parameters

Parameter	Type	Description
jumpLink	String	**Definition:** Step redirection link. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v5/071112d87d3e4ed49130c691936202e9/api/pipelines/
53acae73a3f44b2994f9b20a710721c6/pipeline-runs/13a48f79f7104f9785720cf2c11890ba/jobs/
6fd4c34e7b7447c59cbe5762bb3273aa/steps/9fdb1e70927b46708b1870192c9d47e5/jump-link
```

Example Responses

Status code: 200

```
{
  "jumpLink" : "/cloudtestportal/project/071112d87d3e4ed49130c691936202e9/testsuite?
type=1&suite_id=123&detail=result&taskId=456"
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.57 Querying the Running Changes in a Pipeline

Function

This API is used to query the running changes in a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipelineRunId}/query-change-requests

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Table 4-293 Path Parameters

Parameter	Mandatory	Type	Description
pipelineRunId	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-294 Query Parameters

Parameter	Mandatory	Type	Description
component_id	No	String	**Definition** Pipeline microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** The value consists of 32 characters, including only digits and letters. **Default Value** N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-295 Response body parameters

Parameter	Type	Description
[items]	Array of **QueryPipelineRunChangeRequestsResp** objects	**Definition:** Response body details. **Value range**: N/A

Table 4-296 QueryPipelineRunChangeRequestsResp

Parameter	Type	Description
id	String	**Definition:** Change ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
component_id	String	**Definition:** Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Change status. **Value range**: N/A
title	String	**Definition:** Change title. **Value range**: N/A
creator_id	String	**Definition:** Change creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Change creator name. **Value range**: N/A
create_time	String	**Definition:** Time when the change was created. **Value range**: N/A
repos	Array of strings	**Definition:** Code repository associated with the change. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/771d3f5473404676872467e230289ebe/pipeline-runs/76711eae71644c38a235b77365d57845/query-change-requests?component_id=c1de96a98c084a0b8631f9e6ac8967b0
```

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Example Responses

Status code: 200

```
[ {
  "id" : "211847a825754f2eadfa326c77fd4e9e",
  "component_id" : "c1de96a98c084a0b8631f9e6ac8967b0",
  "status" : "revoked",
  "title" : "0328",
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "123",
  "create_time" : "1711613423",
  "repos" : [ ]
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.58 Querying Available Predefined Parameters

Function

This API is used to query available predefined parameters.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/list-system-vars

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Table 4-297 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-298 Response body parameters

Parameter	Type	Description
[items]	Array of **ListPipelineSystemVarsResp** objects	**Definition:** Response body details. **Value range**: N/A

Table 4-299 ListPipelineSystemVarsResp

Parameter	Type	Description
name	String	**Definition:** Parameter name. **Value range**: N/A
value	String	**Definition:** Parameter value. **Value range**: N/A
type	String	**Definition:** Parameter type. **Value range**: N/A
description	String	**Definition:** Parameter description. **Value range**: N/A
isShow	Boolean	**Definition:** Display or not. **Value range**: • **true**: display. • **false**: not display.
ordinal	Integer	**Definition:** Sequence number of a parameter. **Value range**: N/A

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Parameter	Type	Description
isAlias	Boolean	**Definition:** Parameter alias. **Value range**: N/A
kind	String	**Definition:** Context type of a parameter. **Value range**: N/A
contextName	String	**Definition:** Context name. **Value range**: N/A
sourceIdentifier	String	**Definition:** Parameter identifier. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/
0747d5a7099e45f69dc1d099945909a9/list-system-vars
```

Example Responses

Status code: 200

```
[ {
  "name" : "PROJECT_ID",
  "value" : null,
  "type" : "string",
  "description" : "ID of the project to which the current pipeline belongs",
  "isShow" : true,
  "ordinal" : 0,
  "isAlias" : false,
  "kind" : null,
  "contextName" : null,
  "sourceIdentifier" : null
} ]
```

Status Codes

Status Code	Description
200	Response body.

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Error Codes

See **Error Codes**.

4.2.59 Querying Pipeline Triggering Failure Records

Function

This API is used to query pipeline triggering failure records.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/trigger-failed-record

Table 4-300 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-301 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset.
limit	Yes	Long	Number of records on each page.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-302 Response body parameters

Parameter	Type	Description
offset	Integer	Offset.
limit	Integer	Number of records on each page.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.
triggerFailedRecordVOS	Array of **triggerFailedRecordVOS** objects	Details list.

Table 4-303 triggerFailedRecordVOS

Parameter	Type	Description
pipeline_id	String	Pipeline ID.
trigger_time	Integer	Trigger time.
trigger_type	String	Trigger type.
executor_id	String	Executor ID.
executor_name	String	Executor name.
reason	String	Cause of trigger failure.

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Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/
dc73b5ed58a64ab7a469b9480e5f6632/trigger-failed-record?offset=0&limit=10
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 3,
  "triggerFailedRecordVOS" : [ {
    "pipeline_id" : "dc73b5ed58a64ab7a469b9480e5f6632",
    "trigger_time" : 1718956712000,
    "trigger_type" : "Push",
    "executor_id" : "123456",
    "executor_name" : "12-5",
    "reason" : "Trigger branch is not whitelisted"
  }, {
    "pipeline_id" : "dc73b5ed58a64ab7a469b9480e5f6632",
    "trigger_time" : 1718956668000,
    "trigger_type" : "Push",
    "executor_id" : "456",
    "executor_name" : "456-5",
    "reason" : "Trigger branch is not whitelisted"
  }, {
    "pipeline_id" : "dc73b5ed58a64ab7a469b9480e5f6632",
    "trigger_time" : 1718956660000,
    "trigger_type" : "Push",
    "executor_id" : "789",
    "executor_name" : "78-5",
    "reason" : "Trigger branch is not whitelisted"
  } ]
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.60 Querying the Pipeline Editing History

Function

This API is used to query the pipeline editing history.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/pipelines-modify-historys

Table 4-304 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-305 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset.
limit	Yes	Long	Number of records on each page.

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-306 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	Details list.
count	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.

Table 4-307 data

Parameter	Type	Description
creator_name	String	Name of the editor.
creator_nick_name	String	Nickname of the editor.
create_time	Integer	Creation time.
modify_type	String	Edit type.

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipelines/dc73b5ed58a64ab7a469b9480e5f6632/pipelines-modify-historys?offset=0&limit=10
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "creator_name" : "456",
    "creator_nick_name" : "45-5",
    "create_time" : 1718956700000,
    "modify_type" : "edit"
  }, {
    "creator_name" : "456",
    "creator_nick_name" : "12-5",
    "create_time" : 1718956641000,
    "modify_type" : "edit"
  } ],
  "count" : 7
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.61 Creating a Parameter Group

Function

This API is used to create a parameter group based on its details.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline/variable/group/create

Table 4-308 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-309 Request body parameters

Parameter	Mandatory	Type	Description
projectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
name	Yes	String	**Definition:** Parameter group name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Description details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Array of **variables** objects	**Definition:** Parameter list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-310 variables

Parameter	Mandatory	Type	Description
sequence	No	Integer	**Definition:** Sequence number of a parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name	No	String	**Definition:** Parameter name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
type	No	String	**Definition:** Parameter type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
value	No	String	**Definition:** Default parameter value. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	No	String	**Definition:** Parameter description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_secret	No	Boolean	**Definition:** Private parameter or not. **Constraints**: N/A **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-311 Response body parameters

Parameter	Type	Description
pipeline_variable_group_id	String	**Definition:** Parameter group ID. **Value range**: The value consists of 32 characters, including digits and letters.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/create

{
  "projectId" : "e2e18230a85d4d6ab0b56cb6d2246c18",
  "name" : "213",
  "description" : "",
  "variables" : [ {
```

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```
  "sequence" : 1,
  "name" : "123",
  "type" : "string",
  "value" : "123",
  "description" : "123",
  "is_secret" : false
 } ]
}
```

Example Responses

Status code: 200

```
{
 "pipeline_variable_group_id" : "66d40ba4e3da4505aaaf7e9de9860b6e"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class CreateVariableGroupSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreateVariableGroupRequest request = new CreateVariableGroupRequest();
        request.withProjectId("{project_id}");
        CreateVariableGroupReq body = new CreateVariableGroupReq();
        List<CreateVariableGroupReqVariables> listbodyVariables = new ArrayList<>();
        listbodyVariables.add(
            new CreateVariableGroupReqVariables()
                .withSequence(1)
                .withName("123")
                .withType("string")
                .withValue("123")
                .withDescription("123")
```

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```
                .withIsSecret(false)
        );
        body.withVariables(listbodyVariables);
        body.withDescription("");
        body.withName("213");
        request.withBody(body);
        try {
            CreateVariableGroupResponse response = client.createVariableGroup(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateVariableGroupRequest()
        request.project_id = "{project_id}"
        listVariablesbody = [
            CreateVariableGroupReqVariables(
                sequence=1,
                name="123",
                type="string",
                value="123",
                description="123",
                is_secret=False
            )
        ]
        request.body = CreateVariableGroupReq(
            variables=listVariablesbody,
            description="",
            name="213"
        )
        response = client.create_variable_group(request)
        print(response)
```

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```
    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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreateVariableGroupRequest{}
    request.ProjectId = "{project_id}"
    sequenceVariables:= int32(1)
    nameVariables:= "123"
    typeVariables:= "string"
    valueVariables:= "123"
    descriptionVariables:= "123"
    isSecretVariables:= false
    var listVariablesbody = []model.CreateVariableGroupReqVariables{
        {
            Sequence: &sequenceVariables,
            Name: &nameVariables,
            Type: &typeVariables,
            Value: &valueVariables,
            Description: &descriptionVariables,
            IsSecret: &isSecretVariables,
        },
    }
    descriptionCreateVariableGroupReq:= ""
```

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```
    request.Body = &model.CreateVariableGroupReq{
        Variables: &listVariablesbody,
        Description: &descriptionCreateVariableGroupReq,
        Name: "213",
    }
    response, err := client.CreateVariableGroup(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	Response body.

Error Codes

See **Error Codes**.

4.2.62 Editing a Parameter Group

Function

This API is used to modify a parameter group based on its details.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v5/{project_id}/api/pipeline/variable/group/update

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Table 4-312 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-313 Request body parameters

Parameter	Mandatory	Type	Description
projectId	Yes	String	**Definition**: Project ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
name	Yes	String	**Definition**: Parameter group name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	No	String	**Definition**: Description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Array of **variables** objects	**Definition**: Parameter list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
id	Yes	String	**Definition**: Parameter group ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-314 variables

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

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Parameter	Mandatory	Type	Description
sequence	No	Integer	**Definition**: Sequence number of a parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
type	No	String	**Definition**: Parameter type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
value	No	String	**Definition**: Default parameter value. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_secret	No	Boolean	**Definition**: Whether the parameter is private. **Constraints**: N/A **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private. **Default value**: N/A

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

Response Parameters

Status code: 200

Table 4-315 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
PUT https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/update

{
  "projectId" : "e2e18230a85d4d6ab0b56cb6d2246c18",
  "name" : "2131",
  "description" : "",
  "variables" : [ {
    "name" : "123",
    "sequence" : 1,
    "type" : "string",
    "value" : "123",
    "is_secret" : false,
    "description" : "123"
  } ],
  "id" : "66d40ba4e3da4505aaaf7e9de9860b6e"
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.63 Deleting a Parameter Group

Function

This API is used to delete a parameter group based on its ID.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v5/{project_id}/api/pipeline/variable/group/delete

Table 4-316 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-317 Query Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: ID of the parameter group to be deleted. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-318 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
DELETE https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/delete?id=66d40ba4e3da4505aaaf7e9de9860b6e

{ }
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.64 Associating a Pipeline with a Parameter Group

Function

This API is used to associate a pipeline with a parameter group.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline/variable/group/relation

Table 4-319 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-320 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	Pipeline ID.
pipeline_group_ids	Yes	Array of strings	Parameter group ID list.

Response Parameters

Status code: 200

Table 4-321 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/relation

{
  "pipeline_id" : "0747d5a7099e45f69dc1d099945909a9",
  "pipeline_group_ids" : [ "e9b95653dd854146b9ff48d33c2d9d66" ]
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

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Error Codes

See **Error Codes**.

4.2.65 Querying Details About a Parameter Group

Function

This API is used to query details about a parameter group.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline/variable/group/{id}

Table 4-322 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition:** Parameter group ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-323 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Parameter group name. **Value range**: N/A
project_id	String	**Definition:** Project name. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Parameter group name. **Value range**: N/A
description	String	**Definition:** Parameter group description. **Value range**: N/A
variables	Array of **variables** objects	**Definition:** Parameter list. **Value range**: N/A
related_pipelines	Array of **related_pipelines** objects	**Definition:** Associated pipeline. **Value range**: N/A

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Parameter	Type	Description
creator_id	String	**Definition:** Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_id	String	**Definition:** Editor ID **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
updater_name	String	**Definition:** Editor name. **Value range**: N/A
create_time	Integer	**Definition:** Creation time. **Value range**: N/A
update_time	Integer	**Definition:** Update time. **Value range**: N/A

Table 4-324 variables

Parameter	Type	Description
name	String	**Definition:** Parameter name. **Value range**: N/A

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Parameter	Type	Description
sequence	Integer	**Definition:** Sequence number of a parameter. **Value range**: N/A
type	String	**Definition:** Parameter type. **Value range**: N/A
value	String	**Definition:** Default parameter value. **Value range**: N/A
is_secret	Boolean	**Definition:** Whether the parameter is private. **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private.
description	String	**Definition:** Description. **Value range**: N/A

Table 4-325 related_pipelines

Parameter	Type	Description
id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Pipeline name. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/
e9b95653dd854146b9ff48d33c2d9d66
```

Example Responses

Status code: 200

```
{
  "id" : "e9b95653dd854146b9ff48d33c2d9d66",
  "project_id" : "e2e18230a85d4d6ab0b56cb6d2246c18",
  "domain_id" : "4b267c81b33648d982e5c2067e4c77b9",
  "name" : "121212",
  "description" : "",
  "variables" : [ {
    "name" : "12",
    "sequence" : 1,
    "type" : "string",
    "value" : "12",
    "is_secret" : false,
    "description" : ""
  } ],
  "related_pipelines" : [ {
    "id" : "0747d5a7099e45f69dc1d099945909a9",
    "name" : "cloudtest"
  } ],
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "12-5",
  "updater_name" : "12-5",
  "create_time" : 1718957748000,
  "update_time" : 1718958969000
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowVariableGroupDetailSolution {

    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);
```

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```
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowVariableGroupDetailRequest request = new ShowVariableGroupDetailRequest();
        request.withId("{id}");
        request.withProjectId("{project_id}");
        try {
            ShowVariableGroupDetailResponse response = client.showVariableGroupDetail(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowVariableGroupDetailRequest()
        request.id = "{id}"
        request.project_id = "{project_id}"
        response = client.show_variable_group_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"
```

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```
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowVariableGroupDetailRequest{}
    request.Id = "{id}"
    request.ProjectId = "{project_id}"
    response, err := client.ShowVariableGroupDetail(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	Response body.

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Error Codes

See **Error Codes**.

4.2.66 Querying Parameter Groups Associated with a Pipeline

Function

This API is used to query parameter groups associated with a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline/variable/group/pipeline

Table 4-326 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-327 Query Parameters

Parameter	Mandatory	Type	Description
pipelineId	Yes	String	Pipeline ID.

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-328 Response body parameters

Parameter	Type	Description
id	String	Parameter group ID.
project_id	String	Project ID.
domain_id	String	Tenant ID.
name	String	Parameter group name.
description	String	Description.
variables	Array of strings	Parameter list.
related_pipelines	String	Associated pipeline ID.
creator_id	String	Creator ID.
updater_id	String	Updater ID.
creator_name	String	Creator name.
updater_name	String	Updater name.
create_time	Integer	Creation time.
update_time	Integer	Update time.

Example Requests

```
GET https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/pipeline?pipelineId=dc73b5ed58a64ab7a469b9480e5f6632
```

Example Responses

Status code: 200

```
{
  "id" : "e9b95653dd854146b9ff48d33c2d9d66",
  "project_id" : "e2e18230a85d4d6ab0b56cb6d2246c18",
  "domain_id" : "4b267c81b33648d982e5c2067e4c77b9",
  "name" : "121212",
  "description" : "",
  "variables" : [ {
    "name" : "12",
    "sequence" : 1,
    "type" : "string",
    "value" : "12",
    "is_secret" : false,
    "description" : ""
  } ],
  "related_pipelines" : null,
  "creator_id" : "1212",
  "updater_id" : "1212",
  "creator_name" : "12-5",
  "updater_name" : "12-5",
  "create_time" : 1718957748000,
  "update_time" : 1718958969000
}
```

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Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.2.67 Querying the Parameter Group List

Function

This API is used to query the parameter group list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline/variable/group/list

Table 4-329 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-330 Request body parameters

Parameter	Mandatory	Type	Description
offset	Yes	Long	Offset.
limit	Yes	Long	Number of records on each page.
name	No	String	Fuzzy search by name.

Response Parameters

Status code: 200

Table 4-331 Response body parameters

Parameter	Type	Description
pipeline_variable_groups	Array of **pipeline_variable_groups** objects	Details list.
offset	Integer	Offset.
limit	Integer	Number of records on each page.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.

Table 4-332 pipeline_variable_groups

Parameter	Type	Description
id	String	Parameter group ID.
project_id	String	Project ID.
domain_id	String	Tenant ID.
name	String	Parameter group name.
description	String	Description.
variables	Array of strings	Parameter list.

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Parameter	Type	Description
related_pipelines	Array of **related_pipelines** objects	Associated pipeline.
creator_id	String	Creator ID.
updater_id	String	Updated by ID.
creator_name	String	Creator name.
updater_name	String	Updater name.
create_time	Integer	Creation time.
update_time	Integer	Update time.

Table 4-333 related_pipelines

Parameter	Type	Description
id	String	Pipeline ID.
name	String	Pipeline name.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline/variable/group/list

{
  "offset" : 0,
  "limit" : 10,
  "name" : ""
}
```

Example Responses

Status code: 200

```
{
  "pipeline_variable_groups" : [ {
    "id" : "e9b95653dd854146b9ff48d33c2d9d66",
    "project_id" : "e2e18230a85d4d6ab0b56cb6d2246c18",
    "domain_id" : "4b267c81b33648d982e5c2067e4c77b9",
    "name" : "121212",
    "description" : "",
    "variables" : [ ],
    "related_pipelines" : [ {
      "id" : "0747d5a7099e45f69dc1d099945909a9",
      "name" : "cloudtest"
    }, {
      "id" : "dc73b5ed58a64ab7a469b9480e5f6632",
      "name" : "PY3-0401-pipeline"
    } ],
    "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
    "creator_name" : "north-5",
    "updater_name" : "north-5",
```

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```
    "create_time" : 1718957748000,
    "update_time" : 1718958969000
  } ],
  "offset" : 0,
  "limit" : 10,
  "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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListVariableGroupsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListVariableGroupsRequest request = new ListVariableGroupsRequest();
        request.withProjectId("{project_id}");
        ListVariableGroupsReq body = new ListVariableGroupsReq();
        body.withName("");
        body.withLimit(10);
        body.withOffset(0);
        request.withBody(body);
        try {
            ListVariableGroupsResponse response = client.listVariableGroups(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());
        }
    }
}
```

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Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListVariableGroupsRequest()
        request.project_id = "{project_id}"
        request.body = ListVariableGroupsReq(
            name="",
            limit=10,
            offset=0
        )
        response = client.list_variable_groups(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
```

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```
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListVariableGroupsRequest{}
    request.ProjectId = "{project_id}"
    nameListVariableGroupsReq:= ""
    limitListVariableGroupsReq:= int32(10)
    offsetListVariableGroupsReq:= int32(0)
    request.Body = &model.ListVariableGroupsReq{
        Name: &nameListVariableGroupsReq,
        Limit: &limitListVariableGroupsReq,
        Offset: &offsetListVariableGroupsReq,
    }
    response, err := client.ListVariableGroups(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	Response body.

Error Codes

See **Error Codes**.

4.2.68 Obtaining Webhook Information

Function

This API is used to obtain webhook information.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/webhook

Table 4-334 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-335 Response body parameters

Parameter	Type	Description
pipelineId	String	**Definition**: Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
projectId	String	**Definition**: Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
region	String	**Definition:** Region. **Value range**: N/A
status	Boolean	**Definition:** Webhook status. **Value range**: • **true**: enabled. • **false**: disabled.
useIam	Boolean	**Definition:** Whether to use IAM. **Value range**: • **true**: IAM is used. • **false**: IAM is not used.
webhookUrl	String	**Definition:** Webhook address. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/pipelines/
12780316f8ca4d8c86bee1bcf24691be/webhook
```

Example Responses

Status code: 200

```
{
  "pipelineId" : "36dd030a69324d489e4241db387acbdf",
```

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```
 "projectId" : "4fd6dac138aa4d4d965140a19b26a810",
 "region" : "{region}",
 "status" : true,
 "useIam" : false,
 "webhookUrl" : "https://wxample.com/v5/4fd6dac138aa4d4d965140a19b26a810/pipelines/
36dd030a69324d489e4241db387acbdf/webhook/callback-run/{region}?
access_token=c60d5a520b2a42a1afb1c07ec0666e49"
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.69 Triggering a Pipeline with a Webhook

Function

This API is used to trigger a pipeline with a webhook.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{projectId}/pipelines/{pipelineId}/callback-run/{region}

Table 4-336 Path Parameters

Parameter	Mandatory	Type	Description
projectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipelineId	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
region	Yes	String	**Definition:** Project region information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-337 Response body parameters

Parameter	Type	Description
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

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Example Requests

```
POST https://{endpoint}/v5/93b9fc6ffc6a4edc9ab049c1f0dbec4b/pipelines/
4a5350af4b5041d4a7fdea16d6938eb0/callback-run/cn-north-1
```

Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "9c02f9a00d8d469c83ebcd1aeec0077e"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.70 Triggering a Pipeline with a Webhook

Function

This API is used to trigger a pipeline with a webhook.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{projectId}/pipelines/{pipelineId}/webhook/callback-run/{region}

Table 4-338 Path Parameters

Parameter	Mandatory	Type	Description
region	Yes	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
projectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineId	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Table 4-339 Query Parameters

Parameter	Mandatory	Type	Description
access_token	No	String	**Definition:** Authentication token. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-340 Response body parameters

Parameter	Type	Description
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/pipelines/12780316f8ca4d8c86bee1bcf24691be/webhook/callback-run/cn-north-7?access_token=c60d5a520b2a42a1afb1c07ec0666e49
```

Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "aeb40413c5444bdcbbf7a060873af7a7"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.71 Enabling or Disabling the Webhook Function

Function

This API is used to enable or disable the webhook function.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/webhook/switch

Table 4-341 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Request Parameters

Table 4-342 Request body parameters

Parameter	Mandatory	Type	Description
webhook_switch	Yes	Boolean	**Definition:** Whether to enable the webhook function. **Constraints**: N/A **Value range**: • **true**: The webhook function is enabled. • **false**: The webhook function is disabled. **Default value**: N/A
use_iam	Yes	Boolean	**Definition:** Whether to use IAM authentication. **Constraints**: N/A **Value range**: • **true**: IAM authentication is used. • **false**: IAM authentication is not used. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-343 Response body parameters

Parameter	Type	Description
status	String	**Definition:** Returned status. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v5/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pipelines/
4a5350af4b5041d4a7fdea16d6938eb0/webhook/switch

{
  "webhook_switch" : false,
  "use_iam" : true
}
```

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.72 Obtaining the Address for Downloading an Agent

Function

This API is used to obtain the address for downloading an agent.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/pipelines/{pipeline_id}/{pipeline_run_id}/{job_run_id}/agent-runs/agent/download

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Table 4-344 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
job_run_id	Yes	String	**Definition**: Job running ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-345 Query Parameters

Parameter	Mandatory	Type	Description
arch	Yes	String	**Definition:** CPU architecture of the executor. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Agent version. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-346 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	**Definition**: Error information. If no error is reported, the error field is not returned. **Range**: N/A
result	Object	**Definition**: Returned result. **Range**: N/A
status	String	**Definition:** Status value. **Value range**: N/A

Table 4-347 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Example Requests

None

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.73 Obtaining All Custom Parameters of the Old-Version Pipeline

Function

Obtaining All Custom Parameters of the Old-Version Pipeline

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipeline_id}/list-pipeline-vars

Table 4-348 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-349 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-350 Response body parameters

Parameter	Type	Description
[items]	Array of **customVarVOVO** objects	**Definition:** Custom parameters. **Value range**: N/A

Table 4-351 customVarVOVO

Parameter	Type	Description
name	String	**Definition:** Parameter name. **Value range**: N/A
sequence	Integer	**Definition:** Parameter ID. **Value range**: N/A
type	String	**Definition:** Parameter type. **Value range**: N/A
value	String	**Definition:** Parameter value. **Value range**: N/A
is_secret	Boolean	**Definition:** Whether the parameter is private. **Value range**: • **true**: The parameter is private. • **false**: The parameter is not private.
description	String	**Definition:** Parameter description. **Value range**: N/A

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Parameter	Type	Description
is_runtime	Boolean	**Definition:** Whether a parameter can be set at runtime. **Value range**: • **true**: The parameter can be set at runtime. • **false**: The parameter cannot be set at runtime.
limits	Array of **limits** objects	**Definition:** List of limited enumerated values. **Value range**: N/A
is_reset	Boolean	**Definition:** Whether an auto-increment parameter is reset. **Value range**: • **true**: The parameter is reset. • **false**: The parameter is not reset.
is_strict	Boolean	**Definition**: Whether the parameter is strictly increasing. **Value range**: • **true**: Yes. • **false**: No.
latest_value	String	**Definition:** The latest value of an auto-increment parameter. **Value range**: N/A
required	Boolean	**Definition:** Mandatory or not. **Value range**: • **true**: mandatory. • **false**: optional.

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Table 4-352 limits

Parameter	Type	Description
disable	String	**Definition:** Enumerated value. **Value range**: N/A
name	String	**Definition:** Enumerated item name. **Value range**: N/A
displayname	String	**Definition:** Enumerated item alias. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/api/pipelines/12780316f8ca4d8c86bee1bcf24691be/list-pipeline-vars
```

Example Responses

Status code: 200

```
[ {
  "sequence" : 1,
  "name" : "aaa",
  "type" : "string",
  "value" : "aaa",
  "description" : "",
  "is_runtime" : false,
  "is_secret" : false,
  "is_reset" : false,
  "latest_value" : "",
  "limits" : [ ],
  "is_strict" : false
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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4.2.74 Querying Permissions of a Project

Function

This API is used to query permissions of a project.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/check-project/{type}

Table 4-353 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
type	Yes	String	**Definition:** Permission type. **Constraints**: N/A **Value range**: • **create**: Create a pipeline. • **ban**: Disable a pipeline. • **group**: Group pipelines. • **read**: Check a pipeline. • **tag**: Tag a pipeline. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-354 Response body parameters

Parameter	Type	Description
[items]	Array of **PermissionResult** objects	**Definition:** Permission details. **Value range**: N/A

Table 4-355 PermissionResult

Parameter	Type	Description
key	String	**Definition:** Permission type. **Value range**: • **create**: Create a pipeline. • **ban**: Disable a pipeline. • **group**: Group pipelines. • **read**: Check a pipeline. • **tag**: Tag a pipeline.
value	Boolean	**Definition:** Whether the account has the permission. **Value range**: • **true**: The account has the permission. • **false**: The account does not have the permission.

Example Requests

```
GET https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/api/check-project/create
```

Example Responses

Status code: 200

```
{
  "result" : true
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.75 Querying the Parameter Group Permissions Granted to a User

Function

This API is used to query the parameter group permissions granted to a user.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/variable/group/check-rights

Table 4-356 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-357 Response body parameters

Parameter	Type	Description
[items]	Array of **AuthorizationVerdictVO** objects	**Definition:** Authentication details list. **Value range**: N/A

Table 4-358 AuthorizationVerdictVO

Parameter	Type	Description
action	String	**Definition:** Permission details. **Value range**: N/A
verdict	String	**Definition:** Whether the account has the permission. **Value range**: • **allow**: The account has the permission. • **deny**: The account does not have the permission.

Example Requests

```
GET https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/api/variable/group/check-rights
```

Example Responses

Status code: 200

```
[ {
  "action" : "read",
  "verdict" : "allow"
}, {
  "action" : "delete",
  "verdict" : "allow"
}, {
  "action" : "create",
  "verdict" : "allow"
}, {
  "action" : "update",
  "verdict" : "allow"
```


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```
}, {
  "action" : "bind",
  "verdict" : "allow"
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.76 Querying Projects for Which a Pipeline Can Be Created

Function

This API is used to query projects for which a pipeline can be created.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/project/query-related-project

Table 4-359 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-360 Query Parameters

Parameter	Mandatory	Type	Description
page_index	No	Integer	**Definition:** Page number for pagination query. **Constraints**: N/A **Value range**: The value is greater than **0**. **Default value**: **1**.
page_size	No	Integer	**Definition:** Number of records on each page. **Constraints**: N/A **Value range**: The value is greater than **0**. **Default value**: N/A
search	No	String	**Definition:** Name for fuzzy search. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-361 Response body parameters

Parameter	Type	Description
total	Integer	**Definition:** Total number of projects. **Value range**: N/A
project_info_list	Array of **ProjectInfo** objects	**Definition**: Project details in the project list. **Value range**: N/A

Table 4-362 ProjectInfo

Parameter	Type	Description
id	Integer	**Definition:** Project ID. **Value range**: N/A
identifier	String	**Definition:** Project identifier. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Project name. **Value range**: N/A
type	String	**Definition:** Project type. **Value range**: N/A
status	Integer	**Definition:** Project status. **Value range**: N/A

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Parameter	Type	Description
enable_create_pipeline	Boolean	**Definition**: Whether a pipeline can be created. **Value range**: • **true**: The pipeline can be created. • **false** The pipeline cannot be created.

Example Requests

```
GET https://{endpoint}/v5/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/project/query-related-project?page_index=1&page_size=10&search=test
```

Example Responses

Status code: 200

```
{
  "project_info_list" : [ {
    "id" : 12181083,
    "identifier" : "85190bf7c85d490685603702939ed24b",
    "name" : "Test",
    "type" : "scrum",
    "status" : 1,
    "enable_create_pipeline" : true
  } ],
  "total" : 1
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.77 Determining Whether to Display a Popup Message Based on the Current Tenant's Subscription Status

Function

This API is used to determine whether to display a popup message based on the current tenant's subscription status.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/popup-status

Table 4-363 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-364 Query Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-365 Response body parameters

Parameter	Type	Description
package_status	String	**Definition**: Package status. **Value range**: N/A
pop_up	Boolean	**Definition**: Whether a pop-up window is required. **Value range**: N/A
projectDomainName	String	**Definition:** Name of the tenant to which the project belongs. **Value range**: N/A
currentDomainName	String	**Definition:** Tenant name of the current account. **Value range**: N/A
packageName	String	**Definition:** Tenant package name. **Value range**: N/A
isFreeze	Boolean	**Definition:** Whether the account is frozen. **Value range**: • **true**: The account is frozen. • **false**: The account is not frozen.

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Parameter	Type	Description
freezeType	Array of strings	**Definition:** Freezing type. **Value range**: • **normal**: The account is normal. • **freeze**: The account is frozen due to standard check. • **freeze_POLICE**: The account is frozen due to security reasons. • **freeze_ARREAR**: The account is frozen due to arrears. • **freeze_ILLEGAL**: The account is frozen due to abuse. • **freeze_PARTNER**: The account is frozen for partnership. • **close**: The account is disabled.

Example Requests

```
GET https://{endpoint}/v5/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/popup-status?
project_id=0b015e21d3054a3fb03839c43b7cd034
```

Example Responses

Status code: 200

```
{
  "package_status" : "normal",
  "projectDomainName" : "domain",
  "pop_up" : false,
  "currentDomainName" : "domain"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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4.2.78 Determining Whether the Tenant's Account Should Be Frozen Based on the Tenant's Subscription Status

Function

This API is used to determine whether the tenant's account should be frozen based on the tenant's subscription status.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/package-specs/is-freeze

Table 4-366 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-367 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-368 Response body parameters

Parameter	Type	Description
projectDomainName	String	**Definition**: Name of the tenant to which the project belongs. **Value range**: N/A
currentDomainName	String	**Definition**: Tenant name of the current account. **Value range**: N/A
packageName	String	**Definition**: Package name. **Value range**: N/A

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Parameter	Type	Description
freezeType	String	**Definition**: Frozen status. **Value range**: N/A
freeze	Boolean	**Definition**: Whether the account is frozen. **Value range**: • **true**: frozen. • **false**: not frozen.

Example Requests

```
GET https://{endpoint}/v5/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/package-specs/is-freeze?
project_id=0b015e21d3054a3fb03839c43b7cd034
```

Example Responses

Status code: 200

```
{
  "projectDomainName" : "domain",
  "currentDomainName" : "domain",
  "packageName" : null,
  "freezeType" : null,
  "freeze" : false
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.79 Querying Pipelines that Users Do Not Have the Permission to Delete in a Microservice

Function

This API is used to query pipelines that users do not have the permission to delete in a microservice.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/component/check

Table 4-369 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-370 Query Parameters

Parameter	Mandatory	Type	Description
componentId	Yes	String	**Definition**: Microservice ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-371 Response body parameters

Parameter	Type	Description
pipelines	Array of **pipelines** objects	**Definition**: Pipeline list. **Value range**: N/A

Table 4-372 pipelines

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. **Value range**: N/A
name	String	**Definition**: Pipeline name. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
project_id	String	**Definition**: Project ID. **Value range**: N/A
component_id	String	**Definition**: Component ID. **Value range**: N/A
creator_id	String	**Definition**: Pipeline creator ID. **Value range**: N/A

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Parameter	Type	Description
creator_name	String	**Definition**: Pipeline creator name. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/api/pipelines/component/check?componentId=9c2d0e5f4b3a4f2d8e7f123456789abc
```

Example Responses

Status code: 200

```
{
  "pipelines" : {
    "pipeline_id" : "123",
    "name" : "My Pipeline",
    "domain_id" : "domain_001",
    "project_id" : "project_001",
    "component_id" : "component_001",
    "creator_id" : "creator_001",
    "creator_name" : "John Doe"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.80 Querying the Pipeline Execution Plan List

Function

This API is used to query the pipeline execution plan list.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipelines/{pipelineId}/execution-plan/list

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Table 4-373 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipelineId	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Table 4-374 Query Parameters

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

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Parameter	Mandatory	Type	Description
page_index	No	String	**Definition**: Page number that is queried. **Constraints**: N/A **Value range**: ≥ 0 **Default value**: N/A
page_size	No	String	**Definition**: Number of records of each query. **Constraints**: N/A **Value range**: ≥ 0 **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-375 Response body parameters

Parameter	Type	Description
total	Integer	Total number.
page_size	Integer	Page size.
page_index	Integer	Page number.
data	Array of **data** objects	Data list.

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Table 4-376 data

Parameter	Type	Description
id	String	id
name	String	Name.
pipeline_id	String	Pipeline ID.
creator_id	String	Creator ID.
creator	String	Creator name.
create_time	String	Creation time.
updater_id	String	Updater ID.
update_time	String	Update time.
run_param	String	Runtime parameter.

Example Requests

```
GET https://{endpoint}/v5/0b015e21d3054a3fb03839c43b7cd034/api/pipelines/12780316f8ca4d8c86bee1bcf24691be/execution-plan/list?page_index=1&page_size=10
```

Example Responses

Status code: 200

```
{
  "total" : 1,
  "data" : [ {
    "id" : "3d5e9ce29c0c426096b79599e794d049",
    "name" : "test",
    "pipeline_id" : "4a5350af4b5041d4a7fdea16d6938eb0",
    "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "creator" : "user1",
    "create_time" : 1757923968000,
    "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
    "update_time" : 1757923968000,
    "run_param" : "{}"
  } ],
  "page_size" : 10,
  "page_index" : 1
}
```

Status Codes

Status Code	Description
200	ok

Error Codes

See **Error Codes**.

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4.2.81 Updating Details of a YAML Pipeline

Function

To update the YAML pipeline details, you can call the API for **querying pipeline details** to obtain the pipeline details and then update the required fields.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v6/{domain_id}/api/pac/pipelines/{pipeline_id}

Table 4-377 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, which can be obtained from the API credential on the console. The account ID is the tenant ID. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Table 4-378 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

Request Parameters

Table 4-379 Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Pipeline name. **Constraints**: The pipeline name must be unique. **Value range**: Enter 1 to 128 characters, including only letters, digits, hyphens (-), and underscores (_). **Default value**: N/A
description	No	String	**Definition**: Pipeline description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
push_to_repo	No	Boolean	**Definition**: Whether to push the code to a repository. **Constraints**: N/A **Value range**: • **true**: Push the code to a repository. • **false**: Do not push the code to a repository. **Default value**: **false**
new_branch	No	Boolean	**Definition**: Whether to use a new branch. **Constraints**: N/A **Value range**: • **true**: Use a new branch. • **false**: Do not use a new branch. **Default value**: **true**
new_file	No	Boolean	**Definition**: Whether to create a file. **Constraints**: N/A **Value range**: • **true**: Create a file. • **false**: Do not create a file. **Default value**: **true**
file_content	No	String	**Definition**: File content details. **Constraints**: N/A **Range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
selected_branch	No	String	**Definition**: Selected branch. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
push_branch	No	String	**Definition**: Name of the branch to be pushed. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
commit_message	No	String	**Definition**: Submit the remarks. **Constraints**: N/A **Range**: N/A **Default value**: N/A
create_pull_request	No	Boolean	**Definition**: Whether to create a pull request. **Constraints**: N/A **Value range**: • **true**: Create a pull request. • **false**: Do not create a pull request. **Default value**: **true**

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Parameter	Mandatory	Type	Description
agency_name	No	String	**Definition**: Delegate URN, which is configured in the basic pipeline information and can be obtained from CodeArts IAM. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-380 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID.

Example Requests

```
PUT https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/
f2286112591548af960ba8e80a92e0a1

{
  "name" : "NewPipeline-20240830100147",
  "description" : "",
  "push_to_repo" : false,
  "new_branch" : false,
  "selected_branch" : "master",
  "new_file" : false,
  "file_content" : "content",
  "create_pull_request" : false,
  "push_branch" : "",
  "commit_message" : "",
  "agency_name" : null
}
```

Example Responses

Status code: 200

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```
{
  "pipeline_id" : "f2286112591548af960ba8e80a92e0a1"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.82 Obtaining Pipeline Versions in Batches

Function

This API is used to obtain pipeline versions in batches.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/pipelines-version

Table 4-381 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

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Request Parameters

Table 4-382 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of **PipelineIdVO** objects	**Definition**: Pipeline ID list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-383 PipelineIdVO

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-384 Response body parameters

Parameter	Type	Description
pipelineId	**pipelineId** object	**Definition**: Pipeline version details. **Value range**: N/A

Table 4-385 pipelineId

Parameter	Type	Description
pipelineId	String	**Definition**: Pipeline ID. **Value range**: N/A
manifestVersion	String	**Definition**: Pipeline version. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/0493899d9e6644cba4583c778443fad0/api/pipelines/pipelines-version

[ {
  "pipeline_id" : "4a5350af4b5041d4a7fdea16d6938eb0"
} ]
```

Example Responses

Status code: 200

```
{
  "pipelineId" : {
    "pipelineId" : "4a5350af4b5041d4a7fdea16d6938eb0",
    "manifestVersion" : "3.0"
  }
}
```

Status Codes

Status Code	Description
200	OK

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Error Codes

See **Error Codes**.

4.2.83 Querying the Pipeline Version

Function

This API is used to query pipeline versions in batches based on the pipeline ID list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/pipelines/pipelines-version

Request Parameters

Table 4-386 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of **PipelineIdVO** objects	**Definition**: Pipeline ID list, which is used to query the pipeline version. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Range**: N/A **Default value**: N/A

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Table 4-387 PipelineIdVO

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-388 Response body parameters

Parameter	Type	Description
pipelineId	**pipelineId** object	**Definition**: Pipeline version details. **Value range**: N/A

Table 4-389 pipelineId

Parameter	Type	Description
pipelineId	String	**Definition**: Pipeline ID. **Value range**: N/A
manifestVersion	String	**Definition**: Pipeline version. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v5/pipelines/pipelines-version

[ {
  "pipeline_id" : "4a5350af4b5041d4a7fdea16d6938eb0"
} ]
```

Example Responses

Status code: 200

```
{
  "pipelineId" : {
    "pipelineId" : "4a5350af4b5041d4a7fdea16d6938eb0",
    "manifestVersion" : "3.0"
  }
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.84 Querying the General Task List

Function

This API is used to query the general tasks and their important information.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/reusable-jobs/list

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Table 4-390 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

Request Parameters

Table 4-391 Request body parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	**Definition**: Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	No	Integer	**Definition**: Number of records of each query. **Constraints**: N/A **Value range**: ≥ 0 **Default value**: N/A

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Parameter	Mandatory	Type	Description
sort_key	No	String	**Definition**: Sorting field. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
sort_dir	No	String	**Definition**: Sorting direction. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name	No	String	**Definition**: Name for fuzzy search. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-392 Response body parameters

Parameter	Type	Description
offset	Integer	Offset.
limit	Integer	Number of records queried at a time.
total	Integer	Total number.
reusable_jobs	Array of **reusable_jobs** objects	Job list.

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Table 4-393 reusable_jobs

Parameter	Type	Description
id	String	Job ID.
name	String	Job name.
description	String	Job description.
domain_id	String	Tenant ID.
region	String	Region information.
project_id	String	Project ID.
steps	Array of **steps** objects	Step list.
deleted	Boolean	Deleted or not.
enabled	Boolean	Enabled or not.
creator_id	String	Creator ID.
updater_id	String	Updater ID.
updater_name	String	Updater name.
creator_name	String	Creator name.
create_time	Integer	Creation time.
update_time	Integer	Update time.

Table 4-394 steps

Parameter	Type	Description
name	String	Step name.
task	String	Task type.

Example Requests

```
POST https://{endpoint}/v5/0493899d9e6644cba4583c778443fad0/api/reusable-jobs/list

{
  "offset" : 0,
  "limit" : 10,
  "name" : "",
  "sort_key" : "create_time",
  "sort_dir" : "desc"
}
```

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Example Responses

Status code: 200


```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 2,
  "reusable_jobs" : [ {
    "id" : "35b54cc1cf904fa786233a1f0555a630",
    "name" : "Build",
    "description" : "",
    "domain_id" : "0bc8d446b78010880f2fc009114e92a0",
    "region" : "xxx-2",
    "project_id" : "0493899d9e6644cba4583c778443fad0",
    "deleted" : false,
    "enabled" : true,
    "creator_id" : "URdkP0HZQ3mewZYy5QOIYEJ2909KJvJA",
    "updater_id" : "URdkP0HZQ3mewZYy5QOIYEJ2909KJvJA",
    "creator_name" : "user1",
    "updater_name" : "user1",
    "create_time" : 1742784776000,
    "update_time" : 1742784776000
  }, {
    "id" : "42a062e332474470a4d6bd9c555fa81a",
    "name" : "Delayed Execution",
    "description" : "",
    "domain_id" : "0bc8d446b78010880f2fc009114e92a0",
    "region" : "xxx-2",
    "project_id" : "0493899d9e6644cba4583c778443fad0",
    "deleted" : false,
    "enabled" : true,
    "creator_id" : "URdkP0HZQ3mewZYy5QOIYEJ2909KJvJA",
    "updater_id" : "URdkP0HZQ3mewZYy5QOIYEJ2909KJvJA",
    "creator_name" : "user1",
    "updater_name" : "user1",
    "create_time" : 1742784260000,
    "update_time" : 1742784260000
  } ]
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.85 Creating a General Job

Function

This API is used to create the general task list for pipelines.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v5/{project_id}/api/reusable-jobs

Table 4-395 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID

Request Parameters

Table 4-396 Request body parameters

Parameter	Mandatory	Type	Description
createReusableJob	Yes	Object	Parameters for creating a job template

Table 4-397 createReusableJob

Parameter	Mandatory	Type	Description
name	No	String	Job template name
description	No	String	Job template description
definition	No	String	Template definition

Response Parameters

Status code: 200

Table 4-398 Response body parameters

Parameter	Type	Description
reusable_job_id	String	Template ID.

Example Requests

```
POST https://{endpoint}/v5/0493899d9e6644cba4583c778443fad0/api/reusable-jobs

{
  "name" : "Build task template",
  "definition" : "{\"strategi\":{\"select_strategy\":\"selected\"},\"identifier\":\"JOB_nnyfc\",\"name\":\"Select Strategy\"}",
  "description" : "General template for build"
}
```

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Example Responses

None

Status Codes

Status Code	Description
200	Template ID.

Error Codes

See **Error Codes**.

4.2.86 Running a YAML Pipeline

Function

This API is used to run a YAML pipeline.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/{pipeline_id}/run

Table 4-399 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value contains 32 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

Table 4-400 Request body parameters

Parameter	Mandatory	Type	Description
sources	No	Array of **sources** objects	**Definition**: Code repository details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition**: Running description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
variables	No	Array of **variables** objects	**Definition**: Parameter list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
choose_jobs	No	Array of strings	**Definition**: Selected tasks to run. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
choose_stages	No	Array of strings	**Definition**: Selected stages to run. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-401 sources

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Code source type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
params	No	**params** object	**Definition**: Parameter details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-402 params

Parameter	Mandatory	Type	Description
git_url	No	String	**Definition**: Code repository address. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
git_type	No	String	**Definition**: Code repository type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
ssh_git_url	No	String	**Definition**: SSH address of the code repository. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
web_url	No	String	**Definition**: Redirection URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
repo_name	No	String	**Definition**: Code repository name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
codehub_id	No	String	**Definition**: Code repository ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
default_branch	No	String	**Definition**: Default branch. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
alias	No	String	**Definition**: Code repository alias. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
endpoint_id	No	String	**Definition**: Endpoint ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
build_params	No	**build_params** object	**Definition**: Trigger parameter details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
change_request_ids	No	String	**Definition**: Request ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-403 build_params

Parameter	Mandatory	Type	Description
build_type	No	String	**Definition**: Build type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
action	No	String	**Definition**: Task name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
commit_id	No	String	**Definition**: Commit ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
event_type	No	String	**Definition** Trigger method **Constraints** N/A **Range** • **Manual**: triggered manually • **Scheduler**: triggered by a scheduled task • **MR**: triggered by an MR • **Push**: triggered by a push event • **CreateTag**: triggered by a tag • **Issue**: triggered by an issue • **Note**: triggered by a note **Default Value** N/A
merge_id	No	String	**Definition**: Merge ID of an MR. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
source_branch	No	String	**Definition**: Source branch. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
message	No	String	**Definition**: Trigger information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
tag	No	String	**Definition**: Trigger tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
target_branch	No	String	**Definition**: Target branch. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
codehub_id	No	String	**Definition**: Code repository ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-404 variables

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

Response Parameters

Status code: 200

Table 4-405 Response body parameters

Parameter	Type	Description
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v6/377c73ff41d54a5fb117b88ec0a60a33/api/pac/pipelines/{pipeline_id}/run

{
  "sources" : [ {
    "type" : "code",
    "params" : {
      "git_type" : "codehub",
      "codehub_id" : "2111836036",
      "default_branch" : "master",
      "git_url" : "https://example.com/5c8305fa19154cabbb7f022a710f0ace/javaweb0127.git",
```

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```
    "alias" : "",
    "endpoint_id" : "",
    "build_params" : {
      "build_type" : "branch",
      "event_type" : "Manual",
      "target_branch" : "master",
      "tag" : null
    }
   }
  } ],
  "description" : "",
  "variables" : [ ],
  "choose_jobs" : null,
  "choose_stages" : null
}
```

Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "aeb40413c5444bdcbbf7a060873af7a7"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.87 Querying the Features Unavailable for a Tenant of a New Package

Function

This API is used to query the features unavailable for a tenant of a new package based on the tenant ID.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/package-specs/unauthorized-feature

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Table 4-406 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-407 Response body parameters

Parameter	Type	Description
detail	Array of strings	**Definition**: Unauthorized list. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/package-specs/unauthorized-feature?project_id=&_=1763884407247
```

Example Responses

Status code: 200

```
{
  "detail" : [ ]
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.88 Querying the Whitelist

Function

This API is used to query the whitelist switch of resources corresponding to a tenant based on the whitelist type.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/whitelist/query

Table 4-408 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Table 4-409 Query Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
region	Yes	String	**Definition**: Region information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A
type	Yes	Array of strings	**Definition**: Whitelist type. **Constraints**: N/A **Range**: Any whitelist type. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-410 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	**Definition**: Error information. If no error is reported, the error field is not returned. **Range**: N/A
result	Object	**Definition**: Returned result. **Range**: N/A
status	String	**Definition:** Status value. **Value range**: N/A

Table 4-411 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/whitelist/query?domain_id=ce8df55870164338a72d7e828a966a2a&region=xxx-7&type=open_source_policy,gitops_genai&project_id=&_=1763884406958
```

Example Responses

Status code: 200

```
[ {
  "type" : "open_source_policy",
  "enable" : false
}, {
  "type" : "gitops_genai",
  "enable" : false
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.89 Querying the Number of Code Sources That Can Be Configured

Function

This API is used to query the number of code sources that can be configured for a pipeline of the current tenant.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/whitelist/repository-number

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Table 4-412 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Table 4-413 Query Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
region	Yes	String	**Definition**: Region information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-414 Response body parameters

Parameter	Type	Description
repository_number	Integer	**Definition**: Number of code sources that can be configured. **Value range**: **NOTE** 0

Example Requests

```
GET https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/whitelist/repository-number?domain_id=ce8df55870164338a72d7e828a966a2a&region=xxx-7&project_id=5c8305fa19154cabbb7f022a710f0ace&_=1763885852769
```

Example Responses

Status code: 200

```
{
  "repository_number" : 20
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.90 Querying Code Repository Information

Function

This API is used to query the details of a code repository.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloud_project_id}/code/repositories/page

Table 4-415 Path Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

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Table 4-416 Query Parameters

Parameter	Mandatory	Type	Description
repoType	Yes	String	**Definition**: Code repository type. You can view the supported code repository types on the page for creating a pipeline. **Constraints**: N/A **Range**: The value varies depending on the region situation. **Default value**: N/A
query	No	String	**Definition**: Query parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
workspace	No	String	**Definition**: Workspace. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
authEndpoint	No	String	**Definition**: Authentication endpoint. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-417 Response body parameters

Parameter	Type	Description
per_page	Integer	**Definition**: Page size for pagination query. **Range**: **NOTE** 0
page	Integer	**Definition**: Page number for pagination query. **Range**: **NOTE** 0
total	Integer	**Definition**: Total number of queried code repositories. **Range**: ≥ 0
data	Array of **Repositories** objects	**Definition**: Code repository details.

Table 4-418 Repositories

Parameter	Type	Description
id	String	**Definition**: Unique identifier of the code repository. It can be viewed in the code repository. **Range**: N/A

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Parameter	Type	Description
name	String	**Definition**: Code repository name. **Range**: N/A
http_url	String	**Definition**: URL of the code repository. **Range**: N/A
git_url	String	**Definition**: Code repository Git address. **Range**: N/A
human_name	String	**Definition**: Alias defined by a code repository. **Range**: N/A
show_group_name	String	**Definition**: Alias of a code repository group. **Range**: N/A
group_name	String	**Definition**: Name of a code repository group. **Range**: N/A

Example Requests

```
GET https://{endpoint}/v2/63673ced4043423d95da814b474c55b7/code/repositories/page?
repoType=codehub&authEndpoint=&query=&offset=0&workspace=&limit=30&_=1763890968971
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "id" : "8078143",
    "name" : "phoenix-sample",
    "http_url" : "https://codehub-cn-south-1.devcloud.huaweicloud.com/
63673ced4043423d95da814b474c55b7/phoenix-sample.git",
    "git_url" : "git@codehub-cn-south-1.devcloud.huaweicloud.com:63673ced4043423d95da814b474c55b7/
phoenix-sample.git",
    "human_name" : null,
    "show_group_name" : null,
```

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```
    "group_name" : "63673ced4043423d95da814b474c55b7"
  } ],
  "per_page" : 30,
  "page" : 1,
  "total" : 1
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.91 Determining Whether the Current Tenant Has Agreed to the Free Trial Statement

Function

This API is used to check whether the current tenant has agreed to the free trial statement based on the tenant ID.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/is-accept-free-declaration

Table 4-419 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-420 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition**: Whether the current tenant has agreed to the free trial statement. **Range**: • **true**: The current tenant has agreed to the free trial statement. • **false**: The current tenant does not agree to the free trial statement.

Example Requests

```
GET https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/is-accept-free-declaration?_=1763886106575
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.92 Querying Pipeline Permissions of a User

Function

This API is used to query whether the current user has the permissions to edit and execute pipelines based on the tenant ID.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{tenant_id}/api/pipelines/check-rights

Table 4-421 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

Table 4-422 Request body parameters

Parameter	Mandatory	Type	Description
resource_ids	No	Array of strings	**Definition**: Authentication success list. **Value range**: N/A

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Parameter	Mandatory	Type	Description
resource_type	No	String	**Definition**: Pipeline authentication resource type. **Value range**: • **create**: permission to create a pipeline. • **delete**: permission to delete a pipeline. • **update**: permission to update a pipeline. • **read**: permission to query a pipeline.

Response Parameters

Status code: 200

Table 4-423 Response body parameters

Parameter	Type	Description
query	Boolean	**Definition**: Whether the query permission is granted. **Range**: • **true**: The query permission is granted. • **false**: The query permission is not granted.
update	Boolean	**Definition**: Whether the edit permission is granted. **Range**: • **true**: The edit permission is granted. • **false**: The edit permission is not granted.

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Parameter	Type	Description
execute	Boolean	**Definition**: Whether the execute permission is granted. **Range**: • **true**: The execute permission is granted. • **false**: The execute permission is not granted.
delete	Boolean	**Definition**: Whether the delete permission is granted. **Range**: • **true**: The delete permission is granted. • **false**: The delete permission is not granted.
banned	Boolean	**Definition**: Whether the disable permission is granted. **Range**: • **true**: The disable permission is granted. • **false**: The disable permission is not granted.
copy	Boolean	**Definition**: Whether the clone permission is granted. **Range**: • **true**: The clone permission is granted. • **false**: The clone permission is not granted.
authorize	Boolean	**Definition**: Whether the authorization permission is granted. **Range**: • **true**: The authorization permission is granted. • **false**: The authorization permission is not granted.

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Parameter	Type	Description
tag	Boolean	**Definition**: Whether the tag permission is granted. **Range**: • **true**: The tag permission is granted. • **false**: The tag permission is not granted.

Example Requests

```
POST https://{endpoint}/v5/{tenant_id}/api/pipelines/check-rights

{
  "resource_ids" : [ "139953f68ab9419b864f7bfa8091894d" ],
  "resource_type" : "pipeline"
}
```

Example Responses

Status code: 200

```
[ {
  "139953f68ab9419b864f7bfa8091894d" : {
    "query" : true,
    "update" : true,
    "execute" : true,
    "delete" : true,
    "banned" : true,
    "copy" : true,
    "authorize" : true,
    "tag" : true,
    "manual_release" : false
  }
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.93 Querying the DevUC Permissions of a Pipeline User

Function

This API is used to query the DevUC permissions of a pipeline user in a project based on the user ID.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/cicd/devuc-auth/query

Table 4-424 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

Table 4-425 Query Parameters

Parameter	Mandatory	Type	Description
resource	No	String	**Definition**: Permission type. **Constraints**: N/A **Range**: • **create**: permission to create a pipeline. • **delete**: permission to delete a pipeline. • **update**: permission to update a pipeline. • **read**: permission to query a pipeline. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-426 Response body parameters

Parameter	Type	Description
[items]	Array of **AuthorizationVerdictVO** objects	**Definition**: Permission list. **Range**: N/A

Table 4-427 AuthorizationVerdictVO

Parameter	Type	Description
action	String	**Definition:** Permission details. **Value range**: N/A
verdict	String	**Definition:** Whether the account has the permission. **Value range**: • **allow**: The account has the permission. • **deny**: The account does not have the permission.

Example Requests

```
GET https://{endpoint}/v2/{cloudProjectId}/cicd/devuc-auth/query?cloud_project_id=4fca5a98a2814d3e982ca09bd8b43180&cloudProjectId=4fca5a98a2814d3e982ca09bd8b43180&_=1763887132015
```

Example Responses

Status code: 200

```
[ {
  "action" : "create",
  "verdict" : "allow"
}, {
  "action" : "delete",
```

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```
  "verdict" : "allow"
}, {
  "action" : "update",
  "verdict" : "allow"
}, {
  "action" : "read",
  "verdict" : "allow"
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.94 Querying a Code Repository Branch

Function

This API is used to query branches of a code repository based on filter criteria.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloud_project_id}/code/branches

Table 4-428 Path Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

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Table 4-429 Query Parameters

Parameter	Mandatory	Type	Description
repoUrl	Yes	String	**Definition**: Code repository URL, which can be obtained from the code repository configured in the pipeline. **Constraints**: N/A **Range**: N/A **Default value**: N/A
authEndpoint	No	String	**Definition**: Authentication endpoint. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
repoId	No	String	**Definition**: Repository ID, which can be obtained from the code repository configured in the pipeline. **Constraints**: N/A **Range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipelineId	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
search	No	String	**Definition**: Keyword used for the query. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-430 Response body parameters

Parameter	Type	Description
[items]	Array of strings	**Definition**: Branch name list. **Range**: N/A

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Example Requests

```
GET https://{endpoint}/v2/532f1abd15fe42ce8fbc66e89a469b3e/code/branches?repoUrl=https%3A%2F%2Fcodehub.devcloud.xxx-7.ulanqab.huawei.com%2F532f1abd15fe42ce8fbc66e89a469b3e%2Ftujian_test.git&authEndpoint=&limit=30&offset=0&search=&repoId=2111929952&_=1763890872862
```

Example Responses

Status code: 200

```
[ {
  "name" : "asdfsadfasf"
}, {
  "name" : "codearts-pipeline"
}, {
  "name" : "dfgsdf"
}, {
  "name" : "test"
}, {
  "name" : "master"
}, {
  "name" : "tesat"
}, {
  "name" : "test_code_check"
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.95 Checking Execution Time in Records

Function

This API is used to view the pipeline running time based on the project ID.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/whitelist/record-visible-days

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Table 4-431 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Table 4-432 Query Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
region	Yes	String	**Definition**: Region information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-433 Response body parameters

Parameter	Type	Description
record_visible_days	Integer	**Definition**: Days to retain execution records. **Value range**: **NOTE** 0

Example Requests

```
GET https://{endpoint}/v5/{tenant_id}/api/whitelist/record-visible-days?domain_id=ce8df55870164338a72d7e828a966a2a&region=xxx-7&project_id=4fca5a98a2814d3e982ca09bd8b43180&_=1763887109641
```

Example Responses

Status code: 200

```
{
  "record_visible_days" : 365
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.96 Querying the Expiration Information of the New Extended Package of the Current Tenant

Function

This API is used to query the expiration information of the new extended package of the current tenant based on the tenant ID.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/package-specs/count-down

Table 4-434 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Table 4-435 Query Parameters

Parameter	Mandatory	Type	Description
project_id	No	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A
is_main	No	String	**Definition**: Whether to query the primary resources. **Constraints**: N/A **Value range**: • **true**: Query the primary resources. • **false**: The primary resources are not queried. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-436 Response body parameters

Parameter	Type	Description
[items]	Array of **SpecsCountDownInfo** objects	**Definition**: Expiration details of a tenant package and resource package. **Value range**: N/A

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Table 4-437 SpecsCountDownInfo

Parameter	Type	Description
resource_id	String	**Definition**: Resource ID. **Value range**: N/A
resource_name	String	**Definition**: Resource name. **Value range**: N/A
service_type	String	**Definition**: Service type. **Value range**: N/A
resource_type	String	**Definition**: Resource type. **Value range**: N/A
resource_spec_code	String	**Definition**: Package specification code. **Value range**: N/A
tips	**tips** object	**Definition**: Expiration information. **Value range**: N/A

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Table 4-438 tips

Parameter	Type	Description
status	Integer	**Definition**: Current status of resources. **Range**: • **1**: not effective (The resource is being enabled and has not been used.) • **2**: taking effect (The resource has not expired and can be used normally.) • **3**: deleted (The resource has been deleted.) • **4**: in the retention period (Yearly/monthly resources enter the retention period and is frozen and cannot be used.) • **5**: in the grace period (Yearly/monthly resources have expired and enter the grace period. The resources can still be used.) • **99**: frozen (violation): frozen due to violation against regulations, or public security reasons.
next_action	Integer	**Definition**: Processing policy of the next operation. **Value range**: N/A
next_action_remain_day	Integer	**Definition**: Remaining days from the current status to the next operation. **Value range**: N/A
next_action_url	String	**Definition**: Renewal link. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/{tenant_id}/api/package-specs/count-down?
project_id=4fca5a98a2814d3e982ca09bd8b43180&is_main=true&_=1763887110995
```

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Example Responses

Status code: 200

```
[ {
  "resource_id" : "967f95a0d7124caeb9b8b93caaea9a4c",
  "resource_name" : "CodeArts Combo",
  "service_type" : "hws.service.type.devcloud",
  "resource_type" : "hws.resource.type.codearts.combo",
  "resource_spec_code" : "codearts.china.free",
  "tips" : null
} ]
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.97 This API is used to query the usage details of the new package for a tenant.

Function

This API is used to query the usage details for a tenant of a new package based on the tenant ID.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/package-specs/usage

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Table 4-439 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-440 Response body parameters

Parameter	Type	Description
domain_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
user_id	String	**Definition**: User ID. **Value range**: N/A
user_name	String	**Definition**: Username. **Value range**: N/A

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Parameter	Type	Description
usage	**usage** object	**Definition**: Usage details. **Value range**: N/A

Table 4-441 usage

Parameter	Type	Description
concurrent_number	String	**Definition**: Concurrent pipeline executions **Range**: N/A
execute_duration	String	**Definition**: Execution usage. **Value range**: N/A
pipeline_execute_duration	String	**Definition**: Pipeline execution usage. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/{tenant_id}/api/package-specs/usage?
project_id=4fca5a98a2814d3e982ca09bd8b43180&_=1763887110995
```

Example Responses

Status code: 200

```
{
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "user_id" : "847a5317086c41798469d0868535943a",
  "user_name" : "devcloud_devcloud_h00485561_01",
  "usage" : {
    "concurrent_number" : null,
    "execute_duration" : "0.0000",
    "pipeline_execute_duration" : "0.0000"
  }
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.98 Obtaining the Tenant Version

Function

This API is used to query the current version details of a tenant.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/tenant-version/detail

Table 4-442 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-443 Response body parameters

Parameter	Type	Description
region	String	**Definition**: Region. **Value range**: N/A
version	String	**Definition**: Pipeline version. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID. **Value range**: 32 characters.
ui_version	String	**Definition**: UI version. **Value range**: N/A
gray_end	Boolean	**Definition**: Whether the gray release is complete. **Value range**: • **true**: completed. • **false**: not completed.
end_time	String	**Definition**: Gray release completion time. **Value range**: Date format.
end_time_hint	String	**Definition**: Completion time prompt. **Value range**: Date format.

Example Requests

```
GET https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/tenant-version/detail?
_=1763887109466
```

Example Responses

Status code: 200

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```
{
  "region" : "xxx-7",
  "version" : "3.0",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "ui_version" : "3.0",
  "gray_end" : false,
  "end_time" : "2026-05-01",
  "end_time_hint" : "2026-04-01"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.99 Querying the Artifact Source Version

Function

This API is used to query the artifact source version number.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloud_project_id}/artifact/versions

Table 4-444 Path Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	Yes	String	**Definition**: 32-character UUID of a CodeArts project, which must be unique. **Constraints**: N/A **Value range**: The value contains 32 characters. **Default value**: N/A

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Table 4-445 Query Parameters

Parameter	Mandatory	Type	Description
query	No	String	**Definition**: Fuzzy search. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
page_index	No	Integer	**Definition**: Page number for pagination query. **Constraints**: N/A **Range**: **NOTE** 0 **Default value**: 1
page_size	No	Integer	**Definition**: Number of records per page. **Constraints**: N/A **Value range**: **NOTE** 0 **Default value**:
parent_id	No	String	**Definition**: ID of the artifact source directory, which is the unique identifier of the artifact repository directory. **Constraints**: N/A **Range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
metadata_type	No	String	**Definition**: Artifact source type. **Constraints**: N/A **Range**: • **generic**: Release repository. • **docker**: Docker repository. **Default value**: N/A
name	No	String	**Definition**: Artifact source name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
repo_branch	No	String	**Definition**: Code repository branch. **Constraints**: N/A **Range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-446 Response body parameters

Parameter	Type	Description
data	Object	**Definition**: Data item. **Value range**: N/A
total	AnyType	**Definition**: Total number. **Value range**: ≥ 0

Table 4-447 data

Parameter	Type	Description
type	String	**Definition**: Type. **Value range**: • **generic**: Release repository. • **docker**: Docker repository.
name	String	**Definition**: Software package name. **Value range**: 1 to 128 characters.
version	String	**Definition**: Sequence number of a software package version. **Value range**: 1 to 32 characters.
branch	String	**Definition**: Build branch. **Value range**: 1 to 32 characters.
created_time	String	**Definition**: Creation time. **Value range**: Date format.

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Parameter	Type	Description
parent_id	String	**Definition**: Parent ID of a task. **Value range**: 32 characters.

Example Requests

```
GET https://{endpoint}/v2/5c8305fa19154cabbb7f022a710f0ace/artifact/versions?name=&page_index=1&page_size=10&parent_id=&repo_branch=&query=&metadata_type=generic&_=1763891479324
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "type" : "generic",
    "name" : "javaMavenDemo-1.0.jar",
    "version" : "20251022.1",
    "branch" : "master",
    "created_time" : "2025-10-22 07:07:43",
    "parent_id" : "42c582eb46044ead9858fec1e1926ebc"
  } ],
  "total" : 1
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.100 Querying Total Number of Pipelines on the Dashboard

Function

This API is used to query the number of pipelines in each project and the total number of pipelines of the tenant.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v5/{tenant_id}/api/dashboard/pipeline-count

Table 4-448 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value contains 32 characters. **Default value**: N/A

Table 4-449 Query Parameters

Parameter	Mandatory	Type	Description
order	No	String	**Definition**: Sorting order. **Constraints**: N/A **Value range**: • **desc**: descending order. • **asc**: ascending order. **Default value**: This parameter is left empty by default, indicating that items are in arbitrary order.
pageNo	No	String	**Definition**: Page number for pagination query. **Constraints**: N/A **Range**: **NOTE** 0 **Default value**: 1

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Parameter	Mandatory	Type	Description
pageSize	No	String	**Definition**: Page size. **Constraints**: N/A **Value range**: **NOTE** 0 **Default value**:

Request Parameters

None

Response Parameters

Status code: 200

Table 4-450 Response body parameters

Parameter	Type	Description
total	Integer	**Definition**: Total number. **Value range**: ≥ 0
pageSize	Integer	**Definition**: Page size. **Value range**: ≥ 0
pageNo	Integer	**Definition**: Page number. **Value range**: ≥ 1
projectCountList	Array of **projectCountList** objects	**Definition**: Project quantity list. **Value range**: N/A

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Parameter	Type	Description
allCount	Integer	**Definition**: Total count. **Value range**: ≥ 0

Table 4-451 projectCountList

Parameter	Type	Description
projectName	String	**Definition**: Project name. **Value range**: N/A
projectId	String	**Definition**: Project ID. **Value range**: 32 characters.
pipelineCount	String	**Definition**: Number of pipelines. **Value range**: Number represented by string.
deleted	Boolean	**Definition**: Whether the item has been deleted. **Value range**: • **true**: yes • **false**: no

Example Requests

```
GET https://{endpoint}/v5/e3d7cec9fcd248958fc729f7220f136d/api/dashboard/pipeline-count?
pageNo=1&pageSize=10&_=1763949971018
```

Example Responses

Status code: 200

```
{
  "total" : 2,
  "pageSize" : 10,
  "pageNo" : 1,
  "projectCountList" : [ {
    "projectName" : "Test",
    "projectId" : "0187f1f990ce4145b7875b56c00bd860",
    "pipelineCount" : "3",
```

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```
    "deleted" : false
  }, {
    "projectName" : "Scrum",
    "projectId" : "03a8d331b34345069b509b41a592964c",
    "pipelineCount" : "2",
    "deleted" : false
  } ],
  "allCount" : 2
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.101 Querying Pipeline Execution Details on the Dashboard

Function

This API is used to query the pipeline execution success rate and execution times in each project under a tenant.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/dashboard/executions-overview

Table 4-452 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value contains 32 characters. **Default value**: N/A

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Table 4-453 Query Parameters

Parameter	Mandatory	Type	Description
startTime	Yes	String	**Definition**: Start time of the query time range. **Constraints**: N/A **Range**: The value is a timestamp and does not support the yyyy-MM-dd HH:mm:ss format. **Default value**: N/A
endTime	Yes	String	**Definition**: End time of the query time range. **Constraints**: N/A **Range**: The value is a timestamp and does not support the yyyy-MM-dd HH:mm:ss format. **Default value**: N/A
pageNo	No	String	**Definition**: Page number for pagination query. **Constraints**: N/A **Range**: **NOTE** 0 **Default value**: 1
pageSize	No	String	**Definition**: Page size. **Constraints**: N/A **Value range**: **NOTE** 0 **Default value**:

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Parameter	Mandatory	Type	Description
order	No	String	**Definition**: Sorting order. **Constraints**: N/A **Value range**: • **desc**: descending order. • **asc**: ascending order. **Default value**: This parameter is left empty by default, indicating that items are in arbitrary order.
sort	No	String	**Definition**: Sorting field. **Constraints**: N/A **Value range**: N/A **Default value**: This parameter is left empty by default, indicating that items are in arbitrary order.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-454 Response body parameters

Parameter	Type	Description
total	Integer	**Definition**: Total number. **Value range**: ≥ 0

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Parameter	Type	Description
pageSize	Integer	**Definition**: Page size. **Value range**: ≥ 0
pageNo	Integer	**Definition**: Page number. **Value range**: ≥ 1
executeSuccessRatio	Integer	**Definition**: Execution success rate. **Value range**: 0–100.
executeCount	Integer	**Definition**: Number of executions. **Value range**: ≥ 0
projectExecuteList	Array of **projectExecuteList** objects	**Definition**: Project execution list. **Value range**: N/A

Table 4-455 projectExecuteList

Parameter	Type	Description
projectName	String	**Definition**: Project name. **Value range**: N/A
projectId	String	**Definition**: Project ID. **Value range**: 32 characters.
successRatio	Integer	**Definition**: Success rate. **Value range**: 0–100.

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Parameter	Type	Description
executeTime	Integer	**Definition**: Execution time. **Value range**: ≥ 0
deleted	Boolean	**Definition**: Whether the item has been deleted. **Value range**: • **true**: yes • **false**: no

Example Requests

```
GET https://{endpoint}/v5/e3d7cec9fcd248958fc729f7220f136d/api/dashboard/executions-overview?
startTime=1761321600000&endTime=1763999999000&pageNo=1&pageSize=10&_=1763949971018
```

Example Responses

Status code: 200

```
{
  "total" : 1,
  "pageSize" : 10,
  "pageNo" : 1,
  "executeSuccessRatio" : 100,
  "executeCount" : 9,
  "projectExecuteList" : [ {
    "projectName" : "Project deleted.",
    "projectId" : "ef196c1f990c4fa6b65b17a2fa601002",
    "successRatio" : 100,
    "executeTime" : 9,
    "deleted" : true
  } ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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4.2.102 Querying Pipeline Concurrency on the Dashboard

Function

This API is used to query the number of concurrent and queuing pipelines in each project under a tenant.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{tenant_id}/api/dashboard/concurrency

Table 4-456 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value contains 32 characters. **Default value**: N/A

Table 4-457 Query Parameters

Parameter	Mandatory	Type	Description
pageNo	No	Integer	**Definition**: Page number for pagination query. **Constraints**: N/A **Range**: **NOTE** 0 **Default value**: 1

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Parameter	Mandatory	Type	Description
pageSize	No	Integer	**Definition**: Page size. **Constraints**: N/A **Value range**: **NOTE** 0 **Default value**:
sort	No	String	**Definition**: Sorting field. **Constraints**: N/A **Value range**: N/A **Default value**: This parameter is left empty by default, indicating that items are in arbitrary order.
order	No	String	**Definition**: Sorting order. **Constraints**: N/A **Value range**: • **desc**: descending order. • **asc**: ascending order. **Default value**: This parameter is left empty by default, indicating that items are in arbitrary order.

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-458 Response body parameters

Parameter	Type	Description
total	Integer	**Definition**: Total number. **Value range**: ≥ 0
pageSize	Integer	**Definition**: Page size. **Value range**: ≥ 0
pageNo	Integer	**Definition**: Page number. **Value range**: ≥ 1
concurrentlyCount	Integer	**Definition**: Number of concurrent executions. **Value range**: ≥ 0
queueUpCount	Integer	**Definition**: Number of queues. **Value range**: ≥ 0
concurrentlyList	Array of **concurrentlyList** objects	**Definition**: Concurrency list. **Value range**: N/A

Table 4-459 concurrentlyList

Parameter	Type	Description
projectName	String	**Definition**: Project name. **Value range**: N/A

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Parameter	Type	Description
projectId	String	**Definition**: Project ID. **Value range**: 32 characters.
concurrentlyNumber	Integer	**Definition**: Concurrency. **Value range**: ≥ 0
queueUpNumber	Integer	**Definition**: Number of queues. **Value range**: ≥ 0
deleted	Boolean	**Definition**: Whether the item has been deleted. **Value range**: • **true**: yes • **false**: no

Example Requests

```
GET https://{endpoint}/v5/ce8df55870164338a72d7e828a966a2a/api/dashboard/concurrency?
pageNo=1&pageSize=10&_=1763951243781
```

Example Responses

Status code: 200

```
{
  "total" : 1,
  "pageSize" : 10,
  "pageNo" : 1,
  "concurrentlyCount" : 1,
  "queueUpCount" : 1,
  "concurrentlyList" : [ {
    "projectName" : "Test",
    "projectId" : "01bbbbc3582a430fbe975075d911a2a4",
    "concurrentlyNumber" : 2,
    "queueUpNumber" : 0,
    "deleted" : false
  } ]
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.2.103 Bypassing a Failed Job

Function

This API is used to manually bypass a failed job in a pipeline so that the pipeline can continue to be executed.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/jobs/{job_run_id}/manual-release

Table 4-460 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **starting a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
job_run_id	Yes	String	**Definition**: Job running ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-461 Request body parameters

Parameter	Mandatory	Type	Description
message	No	String	Pass description.

Response Parameters

Status code: 200

Table 4-462 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition**: Whether the API call is successful. **Value range**: • **true**: successful. • **false**: failed.

Example Requests

```
POST https://{endpoint}/v5/{project_id}/api/pipelines/{pipeline_id}/pipeline-runs/{pipeline_run_id}/jobs/{job_run_id}/manual-release

{
  "message" : "manual release"
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body

Error Codes

See **Error Codes**.

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4.2.104 Obtaining the Pipeline Running Statistics Trend

Function

Obtaining the Pipeline Running Statistics Trend

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{tenant_id}/api/dashboard/stats-trend

Table 4-463 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition** Tenant ID. **Constraints** N/A **Range** 32 characters. **Default Value** N/A

Request Parameters

Table 4-464 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition** Pipeline ID. **Constraints** This parameter is mandatory when type is set to 3. In other scenarios, this parameter is left empty.

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Parameter	Mandatory	Type	Description
project_id	No	String	**Definition** Project ID. **Constraints** This parameter is mandatory when type is set to 2. In other scenarios, this parameter is left empty.
start_time	No	Long	**Definition** Timestamp when statistics collection starts. **Constraints** A timestamp in milliseconds
end_time	No	Long	**Definition** Timestamp when statistics collection ends. **Constraints** A timestamp in milliseconds
type	No	Integer	**Definition** Query type. **Range** • 1: tenant dimension. • 2: project dimension. • 3: pipeline dimension.

Response Parameters

Status code: 200

Table 4-465 Response body parameters

Parameter	Type	Description
ts	Long	**Definition** Timestamp.
runningTotal	Integer	**Definition** Total number of executions.
queueTotal	Integer	**Definition** Total number of queues.

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Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Statistics obtained successfully.

Error Codes

See **Error Codes**.

4.2.105 Querying Pipeline Execution Details on the Dashboard

Function

Querying Pipeline Execution Details on the Dashboard

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{tenant_id}/api/dashboard/avg

Table 4-466 Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	**Definition** Tenant ID. **Constraints** N/A **Range** 32 characters. **Default Value** N/A

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Request Parameters

Table 4-467 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition** Pipeline ID. **Constraints** This parameter is mandatory when type is set to 3. In other scenarios, this parameter is left empty.
project_id	No	String	**Definition** Project ID. **Constraints** This parameter is mandatory when type is set to 2. In other scenarios, this parameter is left empty.
start_time	No	Long	**Definition** Timestamp when statistics collection starts. **Constraints** A timestamp in milliseconds
end_time	No	Long	**Definition** Timestamp when statistics collection ends. **Constraints** A timestamp in milliseconds
type	No	Integer	**Definition** Query type. **Range** • 1: tenant dimension. • 2: project dimension. • 3: pipeline dimension.

Response Parameters

Status code: 200

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Table 4-468 Response body parameters

Parameter	Type	Description
avgExecution	Integer	**Definition** Average execution duration. ** Unit**: Millisecond.
avgQueue	Integer	**Definition** Average queuing time. ** Unit**: Millisecond.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Statistics obtained successfully.

Error Codes

See **Error Codes**.

4.3 Group Management

4.3.1 Creating a Pipeline Group

Function

This API is used to create pipeline group.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v5/{project_id}/api/pipeline-group/create

Table 4-469 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-470 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-471 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Pipeline group name. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
project_id	Yes	String	**Definition:** CodeArts project ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
parent_id	No	String	**Definition:** Parent group ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-472 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Group ID. **Value range**: The value consists of 32 characters, including digits and letters.
domain_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.
project_id	String	**Definition:** Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Group name. **Value range**: The value consists of 32 characters, including digits and letters.
parent_id	String	**Definition:** Parent group ID. **Value range**: The value consists of 32 characters, including digits and letters.
path_id	String	**Parameter description**: Group path ID. For example, **id1.id2.id3** indicates that the parent group of group **id3** is **id2**, and the parent group of group** id2** is **id1**. **Value range**: None.
ordinal	Integer	**Definition**: Sequence number. **Value range**: ≥ 0

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Parameter	Type	Description
creator	String	**Definition:** Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater	String	**Definition:** Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
create_time	Long	**Parameter description**: Creation time. **Value range**: None.
update_time	Long	**Parameter description**: Update time. **Value range**: None.
children	Array of **PipelineGroupVo** objects	**Definition:** Pipeline running details. **Value range**: N/A

Status code: 400

Table 4-473 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

Create group G1.

```
POST https://{endpoint}/v5/{project_id}/api/pipeline-group/create

{
  "name" : "G1",
  "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
  "parent_id" : ""
}
```

Example Responses

Status code: 200

```
{
  "id" : "58d55f8a646443a984e7399632b3963e",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
  "name" : "G1",
  "parent_id" : "",
  "path_id" : "58d55f8a646443a984e7399632b3963e",
  "ordinal" : 1,
  "creator" : "847a5317086c41798469d0868535943a",
  "updater" : null,
  "pipeline_count" : 0,
  "no_group_count" : 0,
  "create_time" : null,
  "update_time" : null,
  "children" : null
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Create group G1.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class CreatePipelineGroupSolution {

    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)
```

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```
            .withSk(sk);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePipelineGroupRequest request = new CreatePipelineGroupRequest();
        request.withProjectId("{project_id}");
        PipelineGroupCreateDTO body = new PipelineGroupCreateDTO();
        body.withParentId("");
        body.withProjectId("d80a8a6530324b7bac972cbb8a9f28ec");
        body.withName("G1");
        request.withBody(body);
        try {
            CreatePipelineGroupResponse response = client.createPipelineGroup(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

Create group G1.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePipelineGroupRequest()
        request.project_id = "{project_id}"
        request.body = PipelineGroupCreateDTO(
            parent_id="",
            project_id="d80a8a6530324b7bac972cbb8a9f28ec",
            name="G1"
        )
        response = client.create_pipeline_group(request)
        print(response)
    except exceptions.ClientRequestException as e:
```

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```
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

Create group G1.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePipelineGroupRequest{}
    request.ProjectId = "{project_id}"
    parentIdPipelineGroupCreateDto:= ""
    request.Body = &model.PipelineGroupCreateDto{
        ParentId: &parentIdPipelineGroupCreateDto,
        ProjectId: "d80a8a6530324b7bac972cbb8a9f28ec",
        Name: "G1",
    }
    response, err := client.CreatePipelineGroup(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

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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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.3.2 Updating a Pipeline Group

Function

This API is used to update a pipeline group.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-group/update

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Table 4-474 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-475 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-476 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Pipeline group name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
id	Yes	String	**Definition:** Pipeline group ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-477 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Status code: 400

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Table 4-478 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

Change the group name to New Group 2.

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/update

{
  "name" : "Creating group 2",
  "id" : "1d0ae9894c8549a88931539d1959c571"
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Change the group name to New Group 2.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class UpdatePipelineGroupSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
```

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```
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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdatePipelineGroupRequest request = new UpdatePipelineGroupRequest();
        request.withProjectId("{project_id}");
        PipelineGroupUpdateDTO body = new PipelineGroupUpdateDTO();
        body.withId("1d0ae9894c8549a88931539d1959c571");
        body.withName("Creating group 2");
        request.withBody(body);
        try {
            UpdatePipelineGroupResponse response = client.updatePipelineGroup(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

Change the group name to New Group 2.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdatePipelineGroupRequest()
        request.project_id = "{project_id}"
```

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```
        request.body = PipelineGroupUpdateDTO(
            id="1d0ae9894c8549a88931539d1959c571",
            name="Creating group 2"
        )
        response = client.update_pipeline_group(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

Change the group name to New Group 2.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdatePipelineGroupRequest{}
    request.ProjectId = "{project_id}"
    request.Body = &model.PipelineGroupUpdateDto{
        Id: "1d0ae9894c8549a88931539d1959c571",
        Name: "Creating group 2",
    }
    response, err := client.UpdatePipelineGroup(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
```

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```
  }
}
```

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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.3.3 Deleting a Pipeline Group

Function

This API is used to delete a pipeline group.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v5/{project_id}/api/pipeline-group/delete

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Table 4-479 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-480 Query Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition:** Group ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-481 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-482 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Status code: 400

Table 4-483 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
DELETE https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/delete?
id=1d0ae9894c8549a88931539d1959c571
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeletePipelineGroupSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeletePipelineGroupRequest request = new DeletePipelineGroupRequest();
        request.withProjectId("{project_id}");
        try {
            DeletePipelineGroupResponse response = client.deletePipelineGroup(request);
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeletePipelineGroupRequest()
        request.project_id = "{project_id}"
        response = client.delete_pipeline_group(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeletePipelineGroupRequest{}
    request.ProjectId = "{project_id}"
    response, err := client.DeletePipelineGroup(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.3.4 Querying the Pipeline Group Tree

Function

This API is used to query the pipeline group tree.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-group/tree

Table 4-484 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-485 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-486 Response body parameters

Parameter	Type	Description
[items]	Array of **PipelineGroupVo** objects	**Parameter description**: Pipeline group parameter list. PipelineGroupVo stores pipeline group parameters, including the IDs of parent and child groups.

Table 4-487 PipelineGroupVo

Parameter	Type	Description
id	String	**Definition:** Group ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
domain_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.
project_id	String	**Definition:** Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Group name. **Value range**: The value consists of 32 characters, including digits and letters.
parent_id	String	**Definition:** Parent group ID. **Value range**: The value consists of 32 characters, including digits and letters.
path_id	String	**Parameter description**: Group path ID. For example, **id1.id2.id3** indicates that the parent group of group **id3** is **id2**, and the parent group of group** id2** is **id1**. **Value range**: None.
ordinal	Integer	**Definition**: Sequence number. **Value range**: ≥ 0
creator	String	**Definition:** Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
updater	String	**Definition:** Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
create_time	Long	**Parameter description**: Creation time. **Value range**: None.
update_time	Long	**Parameter description**: Update time. **Value range**: None.
children	Array of **PipelineGroupVo** objects	**Definition:** Pipeline running details. **Value range**: N/A

Status code: 400

Table 4-488 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/tree
```

Example Responses

Status code: 200

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```
[ {
  "id" : "894daf0db79c4ccb839490770fa06596",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
  "name" : "Creating a Group 22",
  "parent_id" : "",
  "path_id" : "894daf0db79c4ccb839490770fa06596",
  "ordinal" : 2,
  "creator" : "847a5317086c41798469d0868535943a",
  "updater" : null,
  "pipeline_count" : 0,
  "no_group_count" : 0,
  "create_time" : 1698487536000,
  "update_time" : null,
  "children" : [ {
    "id" : "ebb779b3b9f742e181b1f6829fa1aca0",
    "domain_id" : "ce8df55870164338a72d7e828a966a2a",
    "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
    "name" : "Creating a group",
    "parent_id" : "58d55f8a646443a984e7399632b3963e",
    "path_id" : "58d55f8a646443a984e7399632b3963e.ebb779b3b9f742e181b1f6829fa1aca0",
    "ordinal" : 0,
    "creator" : "847a5317086c41798469d0868535943a",
    "updater" : null,
    "pipeline_count" : 0,
    "no_group_count" : 0,
    "create_time" : 1698485344000,
    "update_time" : null,
    "children" : [ {
      "id" : "1b80aa3df0984e9caffefdc4e557524e",
      "domain_id" : "ce8df55870164338a72d7e828a966a2a",
      "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
      "name" : "Creating group 4",
      "parent_id" : "ebb779b3b9f742e181b1f6829fa1aca0",
      "path_id" :
"58d55f8a646443a984e7399632b3963e.ebb779b3b9f742e181b1f6829fa1aca0.1b80aa3df0984e9caffefdc4e5
57524e",
      "ordinal" : 2,
      "creator" : "847a5317086c41798469d0868535943a",
      "updater" : null,
      "pipeline_count" : 0,
      "no_group_count" : 0,
      "create_time" : 1698487502000,
      "update_time" : null,
      "children" : 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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowPipelineGroupTreeSolution {
```

```
    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPipelineGroupTreeRequest request = new ShowPipelineGroupTreeRequest();
        request.withProjectId("{project_id}");
        try {
            ShowPipelineGroupTreeResponse response = client.showPipelineGroupTree(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPipelineGroupTreeRequest()
        request.project_id = "{project_id}"
        response = client.show_pipeline_group_tree(request)
        print(response)
    except exceptions.ClientRequestException as e:
```

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```
        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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPipelineGroupTreeRequest{}
    request.ProjectId = "{project_id}"
    response, err := client.ShowPipelineGroupTree(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.3.5 Moving Multiple Pipelines To a Group

Function

This API is used to move multiple pipelines to a group.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-group/pipeline/move

Table 4-489 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-490 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-491 Request body parameters

Parameter	Mandatory	Type	Description
group_id	Yes	String	**Definition:** Group ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
pipelines	Yes	Array of **pipelines** objects	**Definition:** Pipeline set. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-492 pipelines

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
pipeline_name	Yes	String	**Definition:** Pipeline name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-493 Response body parameters

Parameter	Type	Description
[items]	Array of **PipelineMoveToGroupResponseVo** objects	**Definition:** Response details. **Value range**: N/A

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Table 4-494 PipelineMoveToGroupResponseVo

Parameter	Type	Description
code	String	**Definition:** Response code. **Value range**: • **failed**: failed. • **success**: succeeded.
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_name	String	**Definition:** Pipeline name. **Value range**: N/A

Status code: 400

Table 4-495 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/pipeline/move

{
  "group_id" : "2ca78947b25847a9ab68a07d8ef1347b",
  "pipelines" : [ {
    "pipeline_id" : "1ae88404911a4513bcdf8158ab6a0416",
    "pipeline_name" : "sdfgsdfgdfsg345345"
  }, {
    "pipeline_id" : "b99de7c698264251ac1fc3c053dc2b34",
    "pipeline_name" : "32131233131025122241"
```

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```
 } ]
}
```

Example Responses

Status code: 200

```
[ {
  "code" : "success",
  "pipeline_id" : "1ae88404911a4513bcdf8158ab6a0416",
  "pipeline_name" : "sdfgsdfgdfsg345345"
}, {
  "code" : "success",
  "pipeline_id" : "b99de7c698264251ac1fc3c053dc2b34",
  "pipeline_name" : "32131233131025122241"
} ]
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class BatchMovePipelineToGroupSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        BatchMovePipelineToGroupRequest request = new BatchMovePipelineToGroupRequest();
        request.withProjectId("{project_id}");
        PipelineGroupBindDTO body = new PipelineGroupBindDTO();
        List<PipelineGroupBindDTOPipelines> listbodyPipelines = new ArrayList<>();
        listbodyPipelines.add(
            new PipelineGroupBindDTOPipelines()
                .withPipelineId("1ae88404911a4513bcdf8158ab6a0416")
                .withPipelineName("sdfgsdfgdfsg345345")
        );
        listbodyPipelines.add(
            new PipelineGroupBindDTOPipelines()
```

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```
                .withPipelineId("b99de7c698264251ac1fc3c053dc2b34")
                .withPipelineName("32131233131025122241")
        );
        body.withPipelines(listbodyPipelines);
        body.withGroupId("2ca78947b25847a9ab68a07d8ef1347b");
        request.withBody(body);
        try {
            BatchMovePipelineToGroupResponse response = client.batchMovePipelineToGroup(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = BatchMovePipelineToGroupRequest()
        request.project_id = "{project_id}"
        listPipelinesbody = [
            PipelineGroupBindDTOPipelines(
                pipeline_id="1ae88404911a4513bcdf8158ab6a0416",
                pipeline_name="sdfgsdfgdfsg345345"
            ),
            PipelineGroupBindDTOPipelines(
                pipeline_id="b99de7c698264251ac1fc3c053dc2b34",
                pipeline_name="32131233131025122241"
            )
        ]
        request.body = PipelineGroupBindDTO(
            pipelines=listPipelinesbody,
            group_id="2ca78947b25847a9ab68a07d8ef1347b"
        )
        response = client.batch_move_pipeline_to_group(request)
        print(response)
    except exceptions.ClientRequestException as e:
```

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```
        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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.BatchMovePipelineToGroupRequest{}
    request.ProjectId = "{project_id}"
    var listPipelinesbody = []model.PipelineGroupBindDtoPipelines{
        {
            PipelineId: "1ae88404911a4513bcdf8158ab6a0416",
            PipelineName: "sdfgsdfgdfsg345345",
        },
        {
            PipelineId: "b99de7c698264251ac1fc3c053dc2b34",
            PipelineName: "32131233131025122241",
        },
    }
    request.Body = &model.PipelineGroupBindDto{
        Pipelines: listPipelinesbody,
        GroupId: "2ca78947b25847a9ab68a07d8ef1347b",
    }
    response, err := client.BatchMovePipelineToGroup(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
```

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```
        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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.4 Rule Management

4.4.1 Obtaining Details About a Single Rule

Function

This API is used to query details about a single rule.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{domain_id}/rules/{rule_id}/detail

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Table 4-496 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
rule_id	Yes	String	**Definition**: Rule ID, which is the unique identifier of a rule. Obtain the rule ID by calling the API for **obtaining rules by page**. **data.id** indicates the rule ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-497 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-498 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Rule ID. **Value range**: The value consists of 32 characters, including digits and letters.
type	String	**Definition:** Rule type. **Value range**: • **Build**. • **Gate**: code check. • **Test**.
name	String	**Definition:** Rule name. **Value range**: N/A

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Parameter	Type	Description
is_valid	Boolean	**Definition**: Whether the rule is valid. **Range**: • **true**: The rule is valid. • **false**: The rule is invalid.
version	String	**Definition:** Rule version. **Value range**: N/A
plugin_id	String	**Definition**: Unique ID of the extension. **Range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
plugin_version	String	**Definition:** Extension version number. **Value range**: N/A
creator	String	**Definition:** Rule creator. **Value range**: N/A
create_time	String	**Definition:** Time when a rule was created. **Value range**: N/A
updater	String	**Definition:** User who last updated the rule. **Value range**: N/A

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Parameter	Type	Description
update_time	String	**Definition:** Time when the rule was last updated. **Value range**: N/A
content	Array of **RuleContent** objects	**Definition:** Rule attributes. **Value range**: N/A

Table 4-499 RuleContent

Parameter	Type	Description
group_name	String	**Definition:** Group name.
can_modify_when_inherit	Boolean	**Definition**: Whether the threshold of the inherited sub-policy can be modified. **Range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified. **Default value**: N/A
properties	Array of **RuleProperty** objects	**Definition:** Rule attributes.

Table 4-500 RuleProperty

Parameter	Type	Description
key	String	**Definition:** Attribute key.
type	String	**Definition** Rule type. **Range** • judge: verification rule

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Parameter	Type	Description
name	String	**Definition:** Displayed name.
operator	String	**Definition**: Comparison operator. **Range**: • **=**: equal to. • **>**: greater than. • **<**: less than. • **>=**: greater than or equal to. • **<=**: less than or equal to. • **!=**: not equal to. • **in**: included. • **not in**: not included. **Default value**: N/A
value	String	**Definition:** Attribute value.
value_type	String	**Definition:** Data type.
is_valid	Boolean	**Definition:** Attribute enabled or not.

Status code: 400

Table 4-501 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 401

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Table 4-502 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 403

Table 4-503 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 404

Table 4-504 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/
865b4c2d616b46ab890fff056a6f7e05/detail
```

Example Responses

Status code: 200

```
{
  "id" : "865b4c2d616b46ab890fff056a6f7e05",
  "type" : "Build",
  "name" : "New Rule-20231020103003",
  "version" : "e2db2a63b3064252874b1b5a8571e2be",
  "plugin_id" : "official_devcloud_cloudBuild",
  "plugin_name" : "official_devcloud_cloudBuild",
```

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```
 "plugin_version" : "0.0.15",
 "content" : [ {
  "group_name" : "MavenUnitTest",
  "can_modify_when_inherit" : true,
  "properties" : [ {
   "key" : "build.PassRatio",
   "type" : "judge",
   "name" : "PassRatio",
   "value_type" : "float",
   "value" : "0.1",
   "operator" : "="
  }, {
   "key" : "build.TotalCases",
   "type" : "judge",
   "name" : "TotalCases",
   "value_type" : "float",
   "value" : "0.1",
   "operator" : "="
  }, {
   "key" : "build.CoverageRatio",
   "type" : "judge",
   "name" : "CoverageRatio",
   "value_type" : "float",
   "value" : "0.1",
   "operator" : "="
  } ]
 } ],
 "creator" : "847a5317086c41798469d0868535943a",
 "create_time" : "2023-10-20T10:30:20",
 "updater" : "847a5317086c41798469d0868535943a",
 "update_time" : "2023-10-20T10:30:20"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowRuleSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
```

```
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowRuleRequest request = new ShowRuleRequest();
        request.withDomainId("{domain_id}");
        request.withRuleId("{rule_id}");
        try {
            ShowRuleResponse response = client.showRule(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowRuleRequest()
        request.domain_id = "{domain_id}"
        request.rule_id = "{rule_id}"
        response = client.show_rule(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
```

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```
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowRuleRequest{}
    request.DomainId = "{domain_id}"
    request.RuleId = "{rule_id}"
    response, err := client.ShowRule(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	Request succeeded.
400	Request failed.
401	Authentication failed.
403	No permission.
404	Resource not found.

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Error Codes

See **Error Codes**.

4.4.2 Creating a Rule

Function

This API is used to create a rule.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{domain_id}/rules/create

Table 4-505 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-506 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-507 Request body parameters

Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Type of the rule to be created. **Constraints**: N/A **Value range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Rule name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
layout_content	Yes	String	**Definition:** Layout content. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_id	No	String	**Definition**: Extension ID. Obtain the ID by calling the API for **querying the extension details**. **unique_id** indicates extension ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
plugin_name	No	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A
plugin_version	No	String	**Definition:** Extension version number. **Constraints**: The value must be in the format of *x.xx.xx*, where *x* is a number ranging from 0 to 99. *xx* indicates the number following the dot (.). Each *xx* can be a one-digit or two-digit number. **Value range**: N/A **Default value**: N/A
content	Yes	Array of **RuleContent** objects	**Definition:** Rule attribute group list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-508 RuleContent

Parameter	Mandatory	Type	Description
group_name	Yes	String	**Definition:** Group name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
can_modify_when_inherit	No	Boolean	**Definition**: Whether the threshold of the inherited sub-policy can be modified. **Constraints**: N/A **Range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified. **Default value**: N/A
properties	Yes	Array of **RuleProperty** objects	**Definition:** Rule attributes. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-509 RuleProperty

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition:** Attribute key. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
type	Yes	String	**Definition** Rule type. **Constraints** N/A **Range** • judge: verification rule **Default Value** N/A
name	Yes	String	**Definition:** Displayed name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
operator	No	String	**Definition**: Comparison operator. **Constraints**: N/A **Range**: • =: equal to. • >: greater than. • <: less than. • >=: greater than or equal to. • <=: less than or equal to. • **!=**: not equal to. • **in**: included. • **not in**: not included. **Default value**: N/A
value	Yes	String	**Definition:** Attribute value. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
value_type	Yes	String	**Definition:** Data type. **Constraints**: N/A **Value range**: • **float**: numeric type • **string**: string type. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_valid	No	Boolean	**Definition:** Attribute enabled or not. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: **false**.

Response Parameters

Status code: 200

Table 4-510 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Creation status.
rule_id	String	**Definition:** Rule ID.

Status code: 400

Table 4-511 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/create

{
  "name" : "Creating a Rule - 20231020170337",
  "type" : "Build",
  "plugin_id" : "official_devcloud_cloudBuild",
  "plugin_name" : "official_devcloud_cloudBuild",
  "plugin_version" : "0.0.15",
  "layout_content" : "layout_content",
  "content" : [ {
    "group_name" : "MavenUnitTest",
    "properties" : [ {
      "key" : "build.PassRatio",
      "name" : "PassRatio",
      "type" : "judge",
      "operator" : "=",
      "value_type" : "float",
      "value" : "0.1"
    }, {
      "key" : "build.TotalCases",
      "name" : "TotalCases",
      "type" : "judge",
      "operator" : "=",
      "value_type" : "float",
      "value" : "0.1"
    }, {
      "key" : "build.CoverageRatio",
      "name" : "CoverageRatio",
      "type" : "judge",
      "operator" : "=",
      "value_type" : "float",
      "value" : "0.1"
    } ]
  } ]
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_id" : "2965ed53fe804115816b781ab20fef3c"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

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```
public class CreateRuleSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreateRuleRequest request = new CreateRuleRequest();
        request.withDomainId("{domain_id}");
        CreateRuleReq body = new CreateRuleReq();
        List listContentProperties = new ArrayList<>();
        listContentProperties.add(
            new RuleProperty()
                .withKey("build.PassRatio")
                .withType("judge")
                .withName("PassRatio")
                .withOperator("=")
                .withValue("0.1")
                .withValueType("float")
        );
        listContentProperties.add(
            new RuleProperty()
                .withKey("build.TotalCases")
                .withType("judge")
                .withName("TotalCases")
                .withOperator("=")
                .withValue("0.1")
                .withValueType("float")
        );
        listContentProperties.add(
            new RuleProperty()
                .withKey("build.CoverageRatio")
                .withType("judge")
                .withName("CoverageRatio")
                .withOperator("=")
                .withValue("0.1")
                .withValueType("float")
        );
        List listbodyContent = new ArrayList<>();
        listbodyContent.add(
            new RuleContent()
                .withGroupName("MavenUnitTest")
                .withProperties(listContentProperties)
        );
        body.withContent(listbodyContent);
        body.withPluginVersion("0.0.15");
        body.withPluginName("official_devcloud_cloudBuild");
        body.withPluginId("official_devcloud_cloudBuild");
        body.withLayoutContent("layout_content");
        body.withName("Creating a Rule - 20231020170337");
        body.withType("Build");
        request.withBody(body);
        try {
            CreateRuleResponse response = client.createRule(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateRuleRequest()
        request.domain_id = "{domain_id}"
        listPropertiesContent = [
            RuleProperty(
                key="build.PassRatio",
                type="judge",
                name="PassRatio",
                operator="=",
                value="0.1",
                value_type="float"
            ),
            RuleProperty(
                key="build.TotalCases",
                type="judge",
                name="TotalCases",
                operator="=",
                value="0.1",
                value_type="float"
            ),
            RuleProperty(
                key="build.CoverageRatio",
                type="judge",
                name="CoverageRatio",
                operator="=",
                value="0.1",
                value_type="float"
            )
        ]
        listContentbody = [
            RuleContent(
```

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```
            group_name="MavenUnitTest",
            properties=listPropertiesContent
        )
    ]
    request.body = CreateRuleReq(
        content=listContentbody,
        plugin_version="0.0.15",
        plugin_name="official_devcloud_cloudBuild",
        plugin_id="official_devcloud_cloudBuild",
        layout_content="layout_content",
        name="Creating a Rule - 20231020170337",
        type="Build"
    )
    response = client.create_rule(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreateRuleRequest{}
    request.DomainId = "{domain_id}"
    operatorProperties:= "="
    operatorProperties1:= "="
```

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```
    operatorProperties2:= "="
    var listPropertiesContent = []model.RuleProperty{
        {
            Key: "build.PassRatio",
            Type: "judge",
            Name: "PassRatio",
            Operator: &operatorProperties,
            Value: "0.1",
            ValueType: "float",
        },
        {
            Key: "build.TotalCases",
            Type: "judge",
            Name: "TotalCases",
            Operator: &operatorProperties1,
            Value: "0.1",
            ValueType: "float",
        },
        {
            Key: "build.CoverageRatio",
            Type: "judge",
            Name: "CoverageRatio",
            Operator: &operatorProperties2,
            Value: "0.1",
            ValueType: "float",
        },
    }
    var listContentbody = []model.RuleContent{
        {
            GroupName: "MavenUnitTest",
            Properties: listPropertiesContent,
        },
    }
    pluginVersionCreateRuleReq:= "0.0.15"
    pluginNameCreateRuleReq:= "official_devcloud_cloudBuild"
    pluginIdCreateRuleReq:= "official_devcloud_cloudBuild"
    request.Body = &model.CreateRuleReq{
        Content: listContentbody,
        PluginVersion: &pluginVersionCreateRuleReq,
        PluginName: &pluginNameCreateRuleReq,
        PluginId: &pluginIdCreateRuleReq,
        LayoutContent: "layout_content",
        Name: "Creating a Rule - 20231020170337",
        Type: "Build",
    }
    response, err := client.CreateRule(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

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Status Code	Description
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.4.3 Obtaining the Rule List by Page

Function

This API is used to obtain the rule list by page.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{domain_id}/rules/query

Table 4-512 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-513 Query Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
offset	Yes	Integer	**Definition:** Offset where the query starts. This parameter must be used together with **limit**. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: **1** to **100**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Rule type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name	No	String	**Definition:** Rule name, which is used for fuzzy search. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-514 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-515 Response body parameters

Parameter	Type	Description
data	Array of **Rule** objects	**Definition:** Static rule list. **Value range**: N/A
total	Integer	**Definition:** Total number of queried static rules. **Value range**: N/A

Table 4-516 Rule

Parameter	Type	Description
id	String	**Definition:** Rule ID. **Value range**: N/A
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Rule name. **Value range**: N/A
version	String	**Definition:** Rule version. **Value range**: N/A
operator	String	**Definition:** Latest operator. **Value range**: N/A

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Parameter	Type	Description
operate_time	Long	**Definition:** Last operation time. **Value range**: N/A

Status code: 400

Table 4-517 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 401

Table 4-518 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 403

Table 4-519 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 404

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Table 4-520 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/query?
cloud_project_id=&type=&name=&limit=10&offset=1
```

Example Responses

Status code: 200


```
{
  "data" : [ {
    "id" : "425eba0deaf04596a74cf7967d7fc04d",
    "type" : "Test",
    "name" : "New Rule-20230919104204",
    "version" : "07ef68721822485dba6c326829567095",
    "operator" : "SectestB",
    "operate_time" : 1695091381000
  }, {
    "id" : "35a14c7a215745999cd579cfd862982e",
    "type" : "Gate",
    "name" : "0919-0919",
    "version" : "318e271a3fb24a888d5f484244ee994d",
    "operator" : "SectestB",
    "operate_time" : 1695091297000
  }, {
    "id" : "fddb790b7b024c6aa8d53e50577b1464",
    "type" : "Gate",
    "name" : "New Rule 0919",
    "version" : "185537e4a10e418ba5f8ad424fabbb7e",
    "operator" : "SectestB",
    "operate_time" : 1695091251000
  }, {
    "id" : "062f3ca8f9b14eb79af09069a227fc8c",
    "type" : "Gate",
    "name" : "Creating a Rule iam",
    "version" : "c12fb934123045789099353 3e03ab374",
    "operator" : "testqxy",
    "operate_time" : 1695072045000
  }, {
    "id" : "b3def7ae86d844718de5eb248c1271d3",
    "type" : "Gate",
    "name" : "Creating rule iam0023",
    "version" : "58a0ee7673924a1dadcf6ec28d23864c",
    "operator" : "SectestB",
    "operate_time" : 1694682961000
  }, {
    "id" : "ce74e818321d4d40b5235c0309fd8cda",
    "type" : "Gate",
    "name" : "apitest-create-1694588962601-QsaY",
    "version" : "d65df316e067454db9467736412db418",
    "operator" : "xxx",
    "operate_time" : 1694588963000
  }, {
```


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```
    "id" : "22973b3a02fe439ea8b642b3a6e23e02",
    "type" : "Gate",
    "name" : "Check",
    "version" : "14cb09a530c744418013cf254e7dd262",
    "operator" : "testjyw",
    "operate_time" : 1694500871000
  }, {
    "id" : "a440107f12ea40439abf7203c0b3c264",
    "type" : "Build",
    "name" : "New Rule-20230912144025",
    "version" : "1e99dbd87183453e9c719ded49cd3f9d",
    "operator" : "testjyw",
    "operate_time" : 1694500845000
  }, {
    "id" : "590700d339d44fb9beee87366332509b",
    "type" : "Gate",
    "name" : "New rule-20230912140536",
    "version" : "a35c74fc13ea4cdfa32ca541b3b92b2d",
    "operator" : "xxx",
    "operate_time" : 1694498754000
  }, {
    "id" : "defe9a17d6ae468cb7224b080fe418a3",
    "type" : "Gate",
    "name" : "New Rule-20230911100734-chq",
    "version" : "dbd00db8d87747fda87eb0b9a0a4d3ac",
    "operator" : "xxx",
    "operate_time" : 1694398087000
  } ],
  "total" : 50
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListRuleSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
```

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```
        ListRuleRequest request = new ListRuleRequest();
        request.withDomainId("{domain_id}");
        try {
            ListRuleResponse response = client.listRule(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListRuleRequest()
        request.domain_id = "{domain_id}"
        response = client.list_rule(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"
)

func main() {
```

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```
    // 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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListRuleRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListRule(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	Request succeeded.
400	Request failed.
401	Authentication failed.
403	No permission.
404	Resource not found.

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Error Codes

See **Error Codes**.

4.4.4 Updating a Rule

Function

This API is used to update a rule.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{domain_id}/rules/{rule_id}/update

Table 4-521 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
rule_id	Yes	String	**Definition**: Rule ID, which is the unique identifier of a rule. Obtain the rule ID by calling the API for **obtaining rules by page**. **data.id** indicates the rule ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-522 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-523 Request body parameters

Parameter	Mandatory	Type	Description
type	Yes	String	**Definition:** Rule type. **Constraints**: N/A **Value range**: • **Build**. • **Gate**: code check. • **Test**. **Default value**: N/A
name	Yes	String	**Definition:** Rule name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
plugin_id	No	String	**Definition**: Extension ID. Obtain the ID by calling the API for **querying the extension details**. **unique_id** indicates extension ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
plugin_name	No	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A
plugin_version	No	String	**Definition:** Extension version number. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
content	Yes	Array of **RuleContent** objects	**Definition:** Rule attributes. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-524 RuleContent

Parameter	Mandatory	Type	Description
group_name	Yes	String	**Definition:** Group name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
can_modify_when_inherit	No	Boolean	**Definition**: Whether the threshold of the inherited sub-policy can be modified. **Constraints**: N/A **Range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified. **Default value**: N/A

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Parameter	Mandatory	Type	Description
properties	Yes	Array of **RuleProperty** objects	**Definition:** Rule attributes. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-525 RuleProperty

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition:** Attribute key. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
type	Yes	String	**Definition** Rule type. **Constraints** N/A **Range** • judge: verification rule **Default Value** N/A
name	Yes	String	**Definition:** Displayed name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
operator	No	String	**Definition**: Comparison operator. **Constraints**: N/A **Range**: • =: equal to. • >: greater than. • <: less than. • >=: greater than or equal to. • <=: less than or equal to. • **!=**: not equal to. • **in**: included. • **not in**: not included. **Default value**: N/A
value	Yes	String	**Definition:** Attribute value. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
value_type	Yes	String	**Definition:** Data type. **Constraints**: N/A **Value range**: • **float**: numeric type • **string**: string type. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_valid	No	Boolean	**Definition:** Attribute enabled or not. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: **false**.

Response Parameters

Status code: 200

Table 4-526 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.
rule_id	String	**Definition**: Rule ID, which is the unique identifier of a rule. Obtain the rule ID by calling the API for **obtaining rules by page**. **data.id** indicates the rule ID.

Status code: 400

Table 4-527 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

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Status code: 401

Table 4-528 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 403

Table 4-529 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 404

Table 4-530 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Example Requests

```
PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/
425eba0deaf04596a74cf7967d7fc04d/update

{
  "name" : "New Rule-20230919104204",
  "type" : "Test",
  "plugin_id" : "official_devcloud_apiTest",
  "plugin_name" : "official_devcloud_apiTest",
  "plugin_version" : "0.0.12",
  "content" : [ {
    "group_name" : "API test pass rate access control",
    "properties" : [ {
```

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```
    "key" : "pass_ratio",
    "name" : "API test pass rate",
    "type" : "judge",
    "operator" : "=",
    "value_type" : "float",
    "value" : "0.5"
   } ]
  } ]
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_id" : "425eba0deaf04596a74cf7967d7fc04d"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class UpdateRuleSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdateRuleRequest request = new UpdateRuleRequest();
        request.withDomainId("{domain_id}");
        request.withRuleId("{rule_id}");
        UpdateRuleReq body = new UpdateRuleReq();
        List<RuleProperty> listContentProperties = new ArrayList<>();
        listContentProperties.add(
            new RuleProperty()
                .withKey("pass_ratio")
                .withType("judge")
```

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```
                .withName("API test pass rate")
                .withOperator("=")
                .withValue("0.5")
                .withValueType("float")
        );
        List<RuleContent> listbodyContent = new ArrayList<>();
        listbodyContent.add(
            new RuleContent()
                .withGroupName("API test pass rate access control")
                .withProperties(listContentProperties)
        );
        body.withContent(listbodyContent);
        body.withPluginVersion("0.0.12");
        body.withPluginName("official_devcloud_apiTest");
        body.withPluginId("official_devcloud_apiTest");
        body.withName("New Rule-20230919104204");
        body.withType("Test");
        request.withBody(body);
        try {
            UpdateRuleResponse response = client.updateRule(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdateRuleRequest()
        request.domain_id = "{domain_id}"
        request.rule_id = "{rule_id}"
        listPropertiesContent = [
            RuleProperty(
                key="pass_ratio",
                type="judge",
```

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```
            name="API test pass rate",
            operator="=",
            value="0.5",
            value_type="float"
        )
    ]
    listContentbody = [
        RuleContent(
            group_name="API test pass rate access control",
            properties=listPropertiesContent
        )
    ]
    request.body = UpdateRuleReq(
        content=listContentbody,
        plugin_version="0.0.12",
        plugin_name="official_devcloud_apiTest",
        plugin_id="official_devcloud_apiTest",
        name="New Rule-20230919104204",
        type="Test"
    )
    response = client.update_rule(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdateRuleRequest{}
    request.DomainId = "{domain_id}"
    request.RuleId = "{rule_id}"
    operatorProperties:= "="
    var listPropertiesContent = []model.RuleProperty{
        {
            Key: "pass_ratio",
            Type: "judge",
            Name: "API test pass rate",
            Operator: &operatorProperties,
            Value: "0.5",
            ValueType: "float",
        },
    }
    var listContentbody = []model.RuleContent{
        {
            GroupName: "API test pass rate access control",
            Properties: listPropertiesContent,
        },
    }
    pluginVersionUpdateRuleReq:= "0.0.12"
    pluginNameUpdateRuleReq:= "official_devcloud_apiTest"
    pluginIdUpdateRuleReq:= "official_devcloud_apiTest"
    request.Body = &model.UpdateRuleReq{
        Content: listContentbody,
        PluginVersion: &pluginVersionUpdateRuleReq,
        PluginName: &pluginNameUpdateRuleReq,
        PluginId: &pluginIdUpdateRuleReq,
        Name: "New Rule-20230919104204",
        Type: "Test",
    }
    response, err := client.UpdateRule(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	Request succeeded.
400	Request failed.
401	Authentication failed.
403	No permission.
404	Resource not found.

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Error Codes

See **Error Codes**.

4.4.5 Deleting a Rule

Function

This API is used to delete a rule.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v2/{domain_id}/rules/{rule_id}/delete

Table 4-531 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
rule_id	Yes	String	**Definition**: Rule ID, which is the unique identifier of a rule. Obtain the rule ID by calling the API for **obtaining rules by page**. **data.id** indicates the rule ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-532 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-533 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the deletion is successful. **Value range**: • **true**: The deletion is successful. • **false**: The deletion fails.

Status code: 400

Table 4-534 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

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Status code: 401

Table 4-535 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 403

Table 4-536 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 404

Table 4-537 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Example Requests

```
DELETE https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/
2965ed53fe804115816b781ab20fef3c/delete
```

Example Responses

Status code: 200

```
{
  "status" : true
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeleteRuleSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeleteRuleRequest request = new DeleteRuleRequest();
        request.withDomainId("{domain_id}");
        request.withRuleId("{rule_id}");
        try {
            DeleteRuleResponse response = client.deleteRule(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

if __name__ == "__main__":
```

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```
    # 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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeleteRuleRequest()
        request.domain_id = "{domain_id}"
        request.rule_id = "{rule_id}"
        response = client.delete_rule(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeleteRuleRequest{}
    request.DomainId = "{domain_id}"
    request.RuleId = "{rule_id}"
    response, err := client.DeleteRule(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	Request succeeded.
400	Request failed.
401	Authentication failed.
403	No permission.
404	Resource not found.

Error Codes

See **Error Codes**.

4.4.6 Querying Rule Usage

Function

This API is used to query rule usage.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{domainId}/rules/{ruleId}/related/query

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Table 4-538 Path Parameters

Parameter	Mandatory	Type	Description
domainId	Yes	String	Tenant ID.
ruleId	Yes	String	Rule ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-539 Response body parameters

Parameter	Type	Description
rule_set_count	Integer	Number of policies.
project_count	Integer	Number of projects.
pipeline_count	Integer	Number of pipelines.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rules/
597c7f2f775740a1bb522b03a16e6864/related/query
```

Example Responses

Status code: 200

```
{
  "rule_set_count" : 0,
  "project_count" : 0,
  "pipeline_count" : 0
}
```

Status Codes

Status Code	Description
200	Response body for querying rule usage.

Error Codes

See **Error Codes**.

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4.4.7 Querying the Types of Rules That Can Be Created

Function

This API is used to query the types of rules that can be created.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{organizationId}/types/query

Table 4-540 Path Parameters

Parameter	Mandatory	Type	Description
organizationId	Yes	String	Organization ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-541 Response body parameters

Parameter	Type	Description
typeKey	String	Type ID.
typeName	String	Type name.

Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/types/query
```

Example Responses

Status code: 200

```
{
  "typeKey" : "Build",
  "typeName" : "Build"
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.5 Tenant-Level Policy Management

4.5.1 Creating a Policy

Function

This API is used to create a policy.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{domain_id}/tenant/rule-sets/create

Table 4-542 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition:** Tenant ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-543 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-544 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Policy name. **Constraints**: The policy name can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: Enter a maximum of 128 characters. **Default value**: N/A
rules	Yes	Array of **RequestRuleInstance** objects	**Definition:** Rule list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-545 RequestRuleInstance

Parameter	Mandatory	Type	Description
id	No	String	**Definition:** Rule instance ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
is_valid	No	Boolean	**Definition:** Rule instance status. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-546 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the creation is successful. **Value range**: • true: The creation is successful. • false: The creation fails.
rule_set_id	String	**Definition:** Policy ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Status code: 400

Table 4-547 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/create

{
  "name" : "Creating a Policy - 20231020171008",
  "rules" : [ {
    "id" : "425eba0deaf04596a74cf7967d7fc04d",
    "is_valid" : true
  } ]
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_set_id" : "9e0145159fdd49238aa1fcdd5b8239f9"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

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```
public class CreateStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreateStrategyRequest request = new CreateStrategyRequest();
        request.withDomainId("{domain_id}");
        CreateRuleSetReq body = new CreateRuleSetReq();
        List<RequestRuleInstance> listbodyRules = new ArrayList<>();
        listbodyRules.add(
            new RequestRuleInstance()
                .withId("425eba0deaf04596a74cf7967d7fc04d")
                .withIsValid(true)
        );
        body.withRules(listbodyRules);
        body.withName("Creating a Policy - 20231020171008");
        request.withBody(body);
        try {
            CreateStrategyResponse response = client.createStrategy(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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)
```

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

    try:
        request = CreateStrategyRequest()
        request.domain_id = "{domain_id}"
        listRulesbody = [
            RequestRuleInstance(
                id="425eba0deaf04596a74cf7967d7fc04d",
                is_valid=True
            )
        ]
        request.body = CreateRuleSetReq(
            rules=listRulesbody,
            name="Creating a Policy - 20231020171008"
        )
        response = client.create_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)
```

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```
    request := &model.CreateStrategyRequest{}
    request.DomainId = "{domain_id}"
    idRules:= "425eba0deaf04596a74cf7967d7fc04d"
    isValidRules:= true
    var listRulesbody = []model.RequestRuleInstance{
        {
            Id: &idRules,
            IsValid: &isValidRules,
        },
    }
    request.Body = &model.CreateRuleSetReq{
        Rules: listRulesbody,
        Name: "Creating a Policy - 20231020171008",
    }
    response, err := client.CreateStrategy(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.5.2 Modifying a Policy

Function

This API is used to modify a policy.

Calling Method

For details, see **Calling APIs**.

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URI

PUT /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/update

Table 4-548 Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-549 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-550 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Policy name. **Constraints**: The policy name can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: Enter a maximum of 128 characters. **Default value**: N/A
rules	No	Array of **UpdateRuleInstance** objects	**Definition:** Rules in a policy. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-551 UpdateRuleInstance

Parameter	Mandatory	Type	Description
id	No	String	**Definition**: Rule ID, which is the unique identifier of a rule. Obtain the rule ID by calling the API for **obtaining rules by page**. **data.id** indicates the rule ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
is_valid	No	Boolean	**Definition:** Rule status. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-552 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

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Parameter	Type	Description
rule_set_id	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID.

Status code: 400

Table 4-553 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/
6cb18ee5ca1c48caa335706e0e5ee288/update

{
  "name" : "Create a tenant-level policy.",
  "rules" : [ {
    "id" : "097f315044244c9193f1e3f1fba7979d",
    "is_valid" : true
  }, {
    "id" : "80cfcff078074b8aa7951d7b67b3137b",
    "is_valid" : true
  } ]
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_set_id" : "6cb18ee5ca1c48caa335706e0e5ee288"
}
```

SDK Sample Code

The SDK sample code is as follows.

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class UpdateStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdateStrategyRequest request = new UpdateStrategyRequest();
        request.withRuleSetId("{rule_set_id}");
        request.withDomainId("{domain_id}");
        UpdateRuleSetReq body = new UpdateRuleSetReq();
        List<UpdateRuleInstance> listbodyRules = new ArrayList<>();
        listbodyRules.add(
            new UpdateRuleInstance()
                .withId("097f315044244c9193f1e3f1fba7979d")
                .withIsValid(true)
        );
        listbodyRules.add(
            new UpdateRuleInstance()
                .withId("80cfcff078074b8aa7951d7b67b3137b")
                .withIsValid(true)
        );
        body.withRules(listbodyRules);
        body.withName("Create a tenant-level policy.");
        request.withBody(body);
        try {
            UpdateStrategyResponse response = client.updateStrategy(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());
        }
    }
}
```

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Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdateStrategyRequest()
        request.rule_set_id = "{rule_set_id}"
        request.domain_id = "{domain_id}"
        listRulesbody = [
            UpdateRuleInstance(
                id="097f315044244c9193f1e3f1fba7979d",
                is_valid=True
            ),
            UpdateRuleInstance(
                id="80cfcff078074b8aa7951d7b67b3137b",
                is_valid=True
            )
        ]
        request.body = UpdateRuleSetReq(
            rules=listRulesbody,
            name="Create a tenant-level policy."
        )
        response = client.update_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdateStrategyRequest{}
    request.RuleSetId = "{rule_set_id}"
    request.DomainId = "{domain_id}"
    idRules:= "097f315044244c9193f1e3f1fba7979d"
    isValidRules:= true
    idRules1:= "80cfcff078074b8aa7951d7b67b3137b"
    isValidRules1:= true
    var listRulesbody = []model.UpdateRuleInstance{
        {
            Id: &idRules,
            IsValid: &isValidRules,
        },
        {
            Id: &idRules1,
            IsValid: &isValidRules1,
        },
    }
    request.Body = &model.UpdateRuleSetReq{
        Rules: &listRulesbody,
        Name: "Create a tenant-level policy.",
    }
    response, err := client.UpdateStrategy(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.5.3 Obtaining Policy Details

Function

This API is used to obtain policy details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/detail

Table 4-554 Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	**Definition:** Policy ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-555 Query Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-556 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-557 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Rule template instance name. **Value range**: N/A
type	String	**Definition:** Rule template type. **Value range**: N/A

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Parameter	Type	Description
version	String	**Definition:** Rule template policy. **Value range**: N/A
creator	String	**Definition:** Policy creator. **Value range**: N/A
create_time	String	**Definition:** Policy creation time. **Value range**: N/A
updater	String	**Definition:** User who last updated the policy. **Value range**: N/A
update_time	String	**Definition:** Time when the policy was last updated. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the policy takes effect. **Value range**: • **true**: The policy takes effect. • **false**: The policy does not take effect.
rule_instances	Array of **RuleInstance** objects	**Definition:** Rule instance set. **Value range**: N/A
level	String	**Definition**: Effective level of a rule instance. **Value range**: N/A

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Parameter	Type	Description
is_public	Boolean	**Definition**: Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.

Table 4-558 RuleInstance

Parameter	Type	Description
id	String	**Definition:** Rule instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Rule name. **Value range**: N/A

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Parameter	Type	Description
version	String	**Definition:** Rule version. **Value range**: N/A
plugin_id	String	**Definition:** Extension ID. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
plugin_version	String	**Definition:** Extension version number. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.
editable	Boolean	**Definition:** Whether the rule can be edited. **Value range**: • **true**: The rule can be edited. • **false**: The rule cannot be edited.
content	Array of **RuleInstanceContent** objects	**Definition:** Rule instance set. **Value range**: N/A
parent	**RuleSet** object	**Definition** Parent instance attribute. Available only for inherited project-level policies. **Range** N/A

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Parameter	Type	Description
creator	String	**Definition**: Rule creator. **Value range**: N/A
create_time	String	**Definition**: Time when a rule was created. **Value range**: N/A
updater	String	**Definition**: User who last updated the rule. **Value range**: N/A
update_time	String	**Definition**: Time when the rule was last updated. **Value range**: N/A

Table 4-559 RuleInstanceContent

Parameter	Type	Description
group_name	String	**Definition:** Group name. **Value range**: N/A
editable	Boolean	**Definition**: Editable or not. **Value range**: N/A
type	String	**Definition:** Group type. **Value range**: N/A

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Parameter	Type	Description
can_modify_when_inherit	Boolean	**Definition:** Whether the threshold of the inherited sub-policy can be modified. **Value range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified.
properties	Array of **RuleInstanceProperty** objects	**Definition:** Rule attributes.

Table 4-560 RuleInstanceProperty

Parameter	Type	Description
key	String	**Definition:** Rule attribute key. **Value range**: N/A
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Displayed name. **Value range**: N/A
operator	String	**Definition:** Comparison operator. **Value range**: N/A
value	String	**Definition:** Attribute value. **Value range**: N/A

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Parameter	Type	Description
value_type	String	**Definition**: Data type. **Range**: • **float**: numeric type. • **string**: string type.
is_valid	Boolean	**Definition**: Valid or not. **Value range**: • **true**: valid. • **false**: invalid.

Table 4-561 RuleSet

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: N/A
name	String	**Definition:** Rule template instance name. **Value range**: N/A
type	String	**Definition:** Rule instance type. **Value range**: N/A
version	String	**Definition:** Rule instance version. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule instance takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.

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Parameter	Type	Description
level	String	**Definition:** Effective level of a rule instance. **Value range**: N/A
is_public	Boolean	**Definition:** Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.
creator	String	**Definition** Policy creator. **Range** N/A
create_time	String	**Definition** Policy creation time. **Range** N/A
updater	String	**Definition** User who last updated the policy. **Range** N/A
update_time	String	**Definition** Time when the policy was last updated. **Range** N/A

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Parameter	Type	Description
rule_instances	Array of **RuleInstance** objects	**Definition** Rule instance set. **Range** N/A

Status code: 400

Table 4-562 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/6cb18ee5ca1c48caa335706e0e5ee288/detail?cloud_project_id=
```

Example Responses

Status code: 200


```
{
  "id" : "6e7cbaab83d74909b23b0ead6f5d7895",
  "name" : "NewPolicy-20250617094501",
  "level" : "tenant",
  "version" : "720b4b4d98254c3c84e35d4ebe713d5b",
  "is_valid" : true,
  "is_public" : false,
  "is_legacy" : false,
  "creator" : "RkMqtmjMGUHeDp3QRubGpGcHxVeotKkQ",
  "create_time" : "2025-06-17 09:45:04",
  "updater" : "RkMqtmjMGUHeDp3QRubGpGcHxVeotKkQ",
  "update_time" : "2025-06-17 09:45:04",
  "rule_instances" : [ {
    "id" : "6b19515dac7e4e57aedf6a14ad521ed8",
    "type" : "Gate",
    "name" : "NewRule-20250617094444",
    "is_valid" : true,
    "version" : "3fa6f315958b41f7a3312cbd2d8ad0f1",
    "plugin_id" : "official_devcloud_codeCheck",
    "plugin_name" : "official_devcloud_codeCheck",
    "plugin_version" : "0.0.1",
```


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```
  "content" : [ {
    "group_name" : "Check bug statistics",
    "can_modify_when_inherit" : true,
    "editable" : true,
    "properties" : [ {
      "key" : "codecheck.deadly",
      "type" : "judge",
      "name" : "Critical",
      "value_type" : "float",
      "value" : "0",
      "operator" : "=",
      "is_valid" : true
    } ]
  } ],
  "creator" : "RkMqtmjMGUHeDp3QRubGpGcHxVeotKkQ",
  "create_time" : "2025-06-17 09:44:55",
  "updater" : "RkMqtmjMGUHeDp3QRubGpGcHxVeotKkQ",
  "update_time" : "2025-06-17 09:44:55"
 } ]
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowStrategyRequest request = new ShowStrategyRequest();
        request.withRuleSetId("{rule_set_id}");
        request.withDomainId("{domain_id}");
        try {
            ShowStrategyResponse response = client.showStrategy(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowStrategyRequest()
        request.rule_set_id = "{rule_set_id}"
        request.domain_id = "{domain_id}"
        response = client.show_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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")
```

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```
    auth, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowStrategyRequest{}
    request.RuleSetId = "{rule_set_id}"
    request.DomainId = "{domain_id}"
    response, err := client.ShowStrategy(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.5.4 Obtaining the Policy List

Function

This API is used to obtain the policy list.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{domain_id}/tenant/rule-sets/query

Table 4-563 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-564 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
include_tenant_rule_set	Yes	Boolean	**Definition:** Whether tenant-level rules are included. **Constraints**: N/A **Value range**: • true: Tenant-level rules are included. • false: Tenant-level rules are not included. **Default value**: N/A
name	No	String	**Definition:** Policy name, which can be used for fuzzy search. **Constraints**: The policy name can contain only characters, letters, digits, hyphens (-), and underscores (_). **Value range**: Enter a maximum of 128 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_valid	No	Boolean	**Definition:** Whether the policy is valid. **Constraints**: N/A **Value range**: • true: The policy is valid. • false: The policy is invalid. **Default value**: N/A
type	No	String	**Definition:** Policy type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
cloud_project_id	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-565 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-566 Response body parameters

Parameter	Type	Description
data	Array of **RuleSet** objects	**Definition:** List of rule instances. **Value range**: N/A
total	Long	**Definition:** Total number of rules. **Value range**: N/A

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Table 4-567 RuleSet

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: N/A
name	String	**Definition:** Rule template instance name. **Value range**: N/A
type	String	**Definition:** Rule instance type. **Value range**: N/A
version	String	**Definition:** Rule instance version. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule instance takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.
level	String	**Definition:** Effective level of a rule instance. **Value range**: N/A
is_public	Boolean	**Definition:** Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.

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Parameter	Type	Description
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.
creator	String	**Definition** Policy creator. **Range** N/A
create_time	String	**Definition** Policy creation time. **Range** N/A
updater	String	**Definition** User who last updated the policy. **Range** N/A
update_time	String	**Definition** Time when the policy was last updated. **Range** N/A
rule_instances	Array of **RuleInstance** objects	**Definition** Rule instance set. **Range** N/A

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Table 4-568 RuleInstance

Parameter	Type	Description
id	String	**Definition:** Rule instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Rule name. **Value range**: N/A
version	String	**Definition:** Rule version. **Value range**: N/A
plugin_id	String	**Definition:** Extension ID. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
plugin_version	String	**Definition:** Extension version number. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.

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Parameter	Type	Description
editable	Boolean	**Definition:** Whether the rule can be edited. **Value range**: • **true**: The rule can be edited. • **false**: The rule cannot be edited.
content	Array of **RuleInstanceContent** objects	**Definition:** Rule instance set. **Value range**: N/A
parent	**RuleSet** object	**Definition** Parent instance attribute. Available only for inherited project-level policies. **Range** N/A
creator	String	**Definition**: Rule creator. **Value range**: N/A
create_time	String	**Definition**: Time when a rule was created. **Value range**: N/A
updater	String	**Definition**: User who last updated the rule. **Value range**: N/A
update_time	String	**Definition**: Time when the rule was last updated. **Value range**: N/A

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Table 4-569 RuleInstanceContent

Parameter	Type	Description
group_name	String	**Definition:** Group name. **Value range**: N/A
editable	Boolean	**Definition**: Editable or not. **Value range**: N/A
type	String	**Definition:** Group type. **Value range**: N/A
can_modify_when_inherit	Boolean	**Definition:** Whether the threshold of the inherited sub-policy can be modified. **Value range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified.
properties	Array of **RuleInstanceProperty** objects	**Definition:** Rule attributes.

Table 4-570 RuleInstanceProperty

Parameter	Type	Description
key	String	**Definition:** Rule attribute key. **Value range**: N/A
type	String	**Definition:** Rule type. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition:** Displayed name. **Value range**: N/A
operator	String	**Definition:** Comparison operator. **Value range**: N/A
value	String	**Definition:** Attribute value. **Value range**: N/A
value_type	String	**Definition**: Data type. **Range**: • **float**: numeric type. • **string**: string type.
is_valid	Boolean	**Definition**: Valid or not. **Value range**: • **true**: valid. • **false**: invalid.

Status code: 400

Table 4-571 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/query?
name=&limit=2&offset=1&cloud_project_id=
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "id" : "30782f30c92e4c1dbc3c596075970d67",
    "name" : "Creating a Tenant-Level Policy -apitest-rKaG on DJtest",
    "level" : "tenant",
    "is_valid" : true,
    "version" : "67e915e472554f719abe513c28728d9f",
    "operator" : "xxx",
    "is_public" : false,
    "operate_time" : 1692695390000
  }, {
    "id" : "4f5fb96022974a2781174584f799d8c2",
    "name" : "Creating a Tenant-Level Policy on DJtest-apitest-S190",
    "level" : "tenant",
    "is_valid" : true,
    "is_legacy" : false,
    "version" : "61ebfef577c34406b5647ac1d83e7bb8",
    "operator" : "xxx",
    "is_public" : false,
    "operate_time" : 1692695390000
  } ],
  "total" : 333
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
```

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```
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListStrategyRequest request = new ListStrategyRequest();
        request.withDomainId("{domain_id}");
        try {
            ListStrategyResponse response = client.listStrategy(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListStrategyRequest()
        request.domain_id = "{domain_id}"
        response = client.list_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"
```

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```
)

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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListStrategyRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListStrategy(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.5.5 Deleting a Policy

Function

This API is used to delete a policy.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/delete

Table 4-572 Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-573 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-574 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the deletion is successful. **Value range**: • **true**: The deletion is successful. • **false**: The deletion fails.

Status code: 400

Table 4-575 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
DELETE https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/
7b69942175014a5ba40830c8f90b210a/delete
```

Example Responses

Status code: 200

```
{
  "status" : true
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeleteStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeleteStrategyRequest request = new DeleteStrategyRequest();
        request.withRuleSetId("{rule_set_id}");
        request.withDomainId("{domain_id}");
        try {
```

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```
            DeleteStrategyResponse response = client.deleteStrategy(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeleteStrategyRequest()
        request.rule_set_id = "{rule_set_id}"
        request.domain_id = "{domain_id}"
        response = client.delete_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeleteStrategyRequest{}
    request.RuleSetId = "{rule_set_id}"
    request.DomainId = "{domain_id}"
    response, err := client.DeleteStrategy(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.5.6 Enabling a Policy

Function

This API is used to modify the policy status.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/switch

Table 4-576 Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-577 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-578 Request body parameters

Parameter	Mandatory	Type	Description
is_valid	Yes	Boolean	**Definition:** Rule template instance status. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-579 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the update is successful. **Value range**: • **true**: The update is successful. • **false**: The update fails.
rule_set_id	String	**Definition:** ID of the updated policy. **Value range**: N/A

Status code: 400

Table 4-580 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/
6cb18ee5ca1c48caa335706e0e5ee288/switch

{
  "is_valid" : false
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_set_id" : "6cb18ee5ca1c48caa335706e0e5ee288"
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class SwitchStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        SwitchStrategyRequest request = new SwitchStrategyRequest();
        request.withRuleSetId("{rule_set_id}");
        request.withDomainId("{domain_id}");
        UpdateRuleSetStatusReq body = new UpdateRuleSetStatusReq();
        body.withIsValid(false);
        request.withBody(body);
        try {
            SwitchStrategyResponse response = client.switchStrategy(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
```

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```
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = SwitchStrategyRequest()
        request.rule_set_id = "{rule_set_id}"
        request.domain_id = "{domain_id}"
        request.body = UpdateRuleSetStatusReq(
            is_valid=False
        )
        response = client.switch_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()
```

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```
    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.SwitchStrategyRequest{}
    request.RuleSetId = "{rule_set_id}"
    request.DomainId = "{domain_id}"
    request.Body = &model.UpdateRuleSetStatusReq{
        IsValid: false,
    }
    response, err := client.SwitchStrategy(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.5.7 Querying Policy Usage

Function

This API is used to query policy usage.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v2/{domainId}/tenant/rule-sets/{ruleSetId}/related/query

Table 4-581 Path Parameters

Parameter	Mandatory	Type	Description
domainId	Yes	String	Tenant ID.
ruleSetId	Yes	String	Policy ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-582 Response body parameters

Parameter	Type	Description
project_count	Long	**Definition:** Number of projects. **Value range**: N/A
pipeline_count	Long	**Definition:** Number of pipelines. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/f9228e23118c4fa5a9c86493ea0cffc2/tenant/rule-sets/
68b99a225e93441f8d5f111eba6cbf30/related/query
```

Example Responses

Status code: 200

```
{
  "project_count" : 0,
  "pipeline_count" : 0
}
```

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Status Codes

Status Code	Description
200	Association information.

Error Codes

See **Error Codes**.

4.5.8 Querying Information Related to a Policy

Function

This API is used to query information related to a policy.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{domainId}/tenant/rule-sets/{ruleSetId}/children

Table 4-583 Path Parameters

Parameter	Mandatory	Type	Description
domainId	Yes	String	Tenant ID.
ruleSetId	Yes	String	Policy ID.

Table 4-584 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	Querying the Number of Records on a Page
offset	No	Integer	Query offset

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-585 Response body parameters

Parameter	Type	Description
data	Array of SimpleRuleSetVO objects	**Definition:** Policy details. **Value range**: N/A
total	Long	**Definition:** Total number of items. **Value range**: The value is no less than **0**.

Table 4-586 SimpleRuleSetVO

Parameter	Type	Description
id	String	**Definition:** Policy ID. **Value range**: N/A
name	String	**Definition:** Policy name. **Value range**: Enter a maximum of 128 characters.
level	String	**Definition:** Scope identifier. **Value range**: **tenant**: tenant. • **others**: non-tenant.
is_valid	Boolean	**Definition:** Whether this function takes effect. **Value range**: • **true**: The function takes effect. • **false**: The function does not take effect.
version	String	**Definition:** Rule template version. **Value range**: N/A

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Parameter	Type	Description
operator	String	**Definition:** Latest operator. **Value range**: N/A
is_public	Boolean	**Definition:** Whether the policy is a system policy. **Value range**: • **true**: The policy is a system policy. • **false**: The policy is not a system policy.
is_legacy	Boolean	**Definition:** Whether the data is from version 1.0. **Value range**: • **true**: The data is from version 1.0. • **false**: The data is not from version 1.0.
operate_time	Integer	**Definition:** Last operation time. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/9dd3a6d966894e4399d3aafe3ceb4fad/tenant/rule-sets/
68b99a225e93441f8d5f111eba6cbf30/children?limit=10&offset=0
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "id" : "f9228e23118c4fa5a9c86493ea0cffc2",
    "name" : "System policy",
    "level" : "tenant",
    "is_valid" : true,
    "version" : "ace33a17a73442e398fedc123d047da2",
    "operator" : "north5",
    "is_public" : true,
    "is_legacy" : null,
    "operate_time" : 1672063512000
  }, {
    "id" : "9dd3a6d966894e4399d3aafe3ceb4fad",
    "name" : "API automatic creation rule hC3Ud",
    "level" : "tenant",
    "is_valid" : true,
    "version" : "d4b0df240e06466e91629c65436abe93",
    "operator" : "north5",
```

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```
    "is_public" : false,
    "is_legacy" : null,
    "operate_time" : 1719220158000
  } ],
  "total" : 199
}
```

Status Codes

Status Code	Description
200	Response body for querying policy association information.

Error Codes

See **Error Codes**.

4.6 Project-Level Policy Management

4.6.1 Obtaining the Project-Level Policy List

Function

This API is used to obtain the project-level policy list.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{project_id}/rule-sets/query

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Table 4-587 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-588 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
include_tenant_rule_set	Yes	Boolean	**Definition:** Whether tenant-level rules are included. **Constraints**: N/A **Value range**: • true: Tenant-level rules are included. • false: Tenant-level rules are not included. **Default value**: N/A
name	No	String	**Definition:** Policy name, which can be used for fuzzy query. **Constraints**: The policy name can contain only characters, letters, digits, hyphens (-), and underscores (_). **Value range**: Enter a maximum of 128 characters. **Default value**: N/A
is_valid	No	Boolean	**Definition:** Whether the policy is valid. **Constraints**: N/A **Value range**: • true: The policy is valid. • false: The policy is invalid. **Default value**: N/A

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

Request Parameters

Table 4-589 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-590 Response body parameters

Parameter	Type	Description
data	Array of **RuleSet** objects	**Definition:** List of rule instances. **Value range**: N/A

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Parameter	Type	Description
total	Long	**Definition:** Total number of rules. **Value range**: N/A

Table 4-591 RuleSet

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: N/A
name	String	**Definition:** Rule template instance name. **Value range**: N/A
type	String	**Definition:** Rule instance type. **Value range**: N/A
version	String	**Definition:** Rule instance version. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule instance takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.
level	String	**Definition:** Effective level of a rule instance. **Value range**: N/A

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Parameter	Type	Description
is_public	Boolean	**Definition:** Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.
creator	String	**Definition** Policy creator. **Range** N/A
create_time	String	**Definition** Policy creation time. **Range** N/A
updater	String	**Definition** User who last updated the policy. **Range** N/A
update_time	String	**Definition** Time when the policy was last updated. **Range** N/A
rule_instances	Array of **RuleInstance** objects	**Definition** Rule instance set. **Range** N/A

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Table 4-592 RuleInstance

Parameter	Type	Description
id	String	**Definition:** Rule instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Rule name. **Value range**: N/A
version	String	**Definition:** Rule version. **Value range**: N/A
plugin_id	String	**Definition:** Extension ID. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
plugin_version	String	**Definition:** Extension version number. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.

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Parameter	Type	Description
editable	Boolean	**Definition:** Whether the rule can be edited. **Value range**: • **true**: The rule can be edited. • **false**: The rule cannot be edited.
content	Array of **RuleInstanceContent** objects	**Definition:** Rule instance set. **Value range**: N/A
parent	**RuleSet** object	**Definition** Parent instance attribute. Available only for inherited project-level policies. **Range** N/A
creator	String	**Definition**: Rule creator. **Value range**: N/A
create_time	String	**Definition**: Time when a rule was created. **Value range**: N/A
updater	String	**Definition**: User who last updated the rule. **Value range**: N/A
update_time	String	**Definition**: Time when the rule was last updated. **Value range**: N/A

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Table 4-593 RuleInstanceContent

Parameter	Type	Description
group_name	String	**Definition:** Group name. **Value range**: N/A
editable	Boolean	**Definition**: Editable or not. **Value range**: N/A
type	String	**Definition:** Group type. **Value range**: N/A
can_modify_when_inherit	Boolean	**Definition:** Whether the threshold of the inherited sub-policy can be modified. **Value range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified.
properties	Array of **RuleInstanceProperty** objects	**Definition:** Rule attributes.

Table 4-594 RuleInstanceProperty

Parameter	Type	Description
key	String	**Definition:** Rule attribute key. **Value range**: N/A
type	String	**Definition:** Rule type. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition:** Displayed name. **Value range**: N/A
operator	String	**Definition:** Comparison operator. **Value range**: N/A
value	String	**Definition:** Attribute value. **Value range**: N/A
value_type	String	**Definition**: Data type. **Range**: • **float**: numeric type. • **string**: string type.
is_valid	Boolean	**Definition**: Valid or not. **Value range**: • **true**: valid. • **false**: invalid.

Status code: 400

Table 4-595 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v2/d80a8a6530324b7bac972cbb8a9f28ec/rule-sets/query?
name=&limit=10&offset=0&include_tenant_rule_set=false
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "id" : "98183e0e70634f4d99da7dc549496652",
    "name" : "Creating a Policy - 20230915203425",
    "level" : "project",
    "is_valid" : true,
    "version" : "82ed35e3ecd041ebace8d62347042368",
    "operator" : "xxx",
    "is_public" : false,
    "operate_time" : 1694781278000
  }, {
    "id" : "becbd00aa13147c6a226283a4bad57e0",
    "name" : "Creating a Policy - 20230817183223",
    "level" : "project",
    "is_valid" : true,
    "version" : "e3cc0a3df511486ea36bdcb46df724f8",
    "operator" : "xxx",
    "is_public" : false,
    "operate_time" : 1693900336000
  }, {
    "id" : "52b24f9add844832a2af11f2e760c730",
    "name" : "codecheck-copy",
    "level" : "project",
    "is_valid" : true,
    "version" : "a2e50e1972f348e0838679eabe0b4467",
    "operator" : "xxx",
    "is_public" : false,
    "operate_time" : 1693900325000
  }, {
    "id" : "d899845c2eff4fa18860fa4b31c5ee31",
    "name" : "codecheck",
    "level" : "project",
    "is_valid" : true,
    "version" : "20f79c6ff8844f5391882d7b3497761b",
    "operator" : "xxx",
    "is_public" : false,
    "operate_time" : 1693300726000
  } ],
  "total" : 4
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;
```

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```
public class ListProjectStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListProjectStrategyRequest request = new ListProjectStrategyRequest();
        request.withProjectId("{project_id}");
        try {
            ListProjectStrategyResponse response = client.listProjectStrategy(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListProjectStrategyRequest()
        request.project_id = "{project_id}"
        response = client.list_project_strategy(request)
```

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```
        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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListProjectStrategyRequest{}
    request.ProjectId = "{project_id}"
    response, err := client.ListProjectStrategy(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.6.2 Querying Project-Level Policy Details

Function

This API is used to query the project-level policy details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{project_id}/rule-sets/{rule_set_id}/gray/detail

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Table 4-596 Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-597 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Rule template instance name. **Value range**: N/A
type	String	**Definition:** Rule template type. **Value range**: N/A
version	String	**Definition:** Rule template policy. **Value range**: N/A
creator	String	**Definition:** Policy creator. **Value range**: N/A
create_time	String	**Definition:** Policy creation time. **Value range**: N/A
updater	String	**Definition:** User who last updated the policy. **Value range**: N/A
update_time	String	**Definition:** Time when the policy was last updated. **Value range**: N/A

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Parameter	Type	Description
is_valid	Boolean	**Definition:** Whether the policy takes effect. **Value range**: • **true**: The policy takes effect. • **false**: The policy does not take effect.
rule_instances	Array of **RuleInstance** objects	**Definition:** Rule instance set. **Value range**: N/A
level	String	**Definition**: Effective level of a rule instance. **Value range**: N/A
is_public	Boolean	**Definition**: Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.

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Table 4-598 RuleInstance

Parameter	Type	Description
id	String	**Definition:** Rule instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Rule name. **Value range**: N/A
version	String	**Definition:** Rule version. **Value range**: N/A
plugin_id	String	**Definition:** Extension ID. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
plugin_version	String	**Definition:** Extension version number. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.

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Parameter	Type	Description
editable	Boolean	**Definition:** Whether the rule can be edited. **Value range**: • **true**: The rule can be edited. • **false**: The rule cannot be edited.
content	Array of **RuleInstanceContent** objects	**Definition:** Rule instance set. **Value range**: N/A
parent	**RuleSet** object	**Definition** Parent instance attribute. Available only for inherited project-level policies. **Range** N/A
creator	String	**Definition**: Rule creator. **Value range**: N/A
create_time	String	**Definition**: Time when a rule was created. **Value range**: N/A
updater	String	**Definition**: User who last updated the rule. **Value range**: N/A
update_time	String	**Definition**: Time when the rule was last updated. **Value range**: N/A

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Table 4-599 RuleInstanceContent

Parameter	Type	Description
group_name	String	**Definition:** Group name. **Value range**: N/A
editable	Boolean	**Definition**: Editable or not. **Value range**: N/A
type	String	**Definition:** Group type. **Value range**: N/A
can_modify_when_inherit	Boolean	**Definition:** Whether the threshold of the inherited sub-policy can be modified. **Value range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified.
properties	Array of **RuleInstanceProperty** objects	**Definition:** Rule attributes.

Table 4-600 RuleInstanceProperty

Parameter	Type	Description
key	String	**Definition:** Rule attribute key. **Value range**: N/A
type	String	**Definition:** Rule type. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition:** Displayed name. **Value range**: N/A
operator	String	**Definition:** Comparison operator. **Value range**: N/A
value	String	**Definition:** Attribute value. **Value range**: N/A
value_type	String	**Definition**: Data type. **Range**: • **float**: numeric type. • **string**: string type.
is_valid	Boolean	**Definition**: Valid or not. **Value range**: • **true**: valid. • **false**: invalid.

Table 4-601 RuleSet

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: N/A
name	String	**Definition:** Rule template instance name. **Value range**: N/A

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Parameter	Type	Description
type	String	**Definition:** Rule instance type. **Value range**: N/A
version	String	**Definition:** Rule instance version. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule instance takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.
level	String	**Definition:** Effective level of a rule instance. **Value range**: N/A
is_public	Boolean	**Definition:** Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.

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Parameter	Type	Description
creator	String	**Definition** Policy creator. **Range** N/A
create_time	String	**Definition** Policy creation time. **Range** N/A
updater	String	**Definition** User who last updated the policy. **Range** N/A
update_time	String	**Definition** Time when the policy was last updated. **Range** N/A
rule_instances	Array of **RuleInstance** objects	**Definition** Rule instance set. **Range** N/A

Status code: 400

Table 4-602 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Status code: 401

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Table 4-603 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 403

Table 4-604 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Status code: 404

Table 4-605 Response body parameters

Parameter	Type	Description
error_code	String	**Definition:** Error code.
error_msg	String	**Definition:** Error message.

Example Requests

```
GET https://{endpoint}/v2/d80a8a6530324b7bac972cbb8a9f28ec/rule-sets/
f9228e23118c4fa5a9c86493ea0cffc2/gray/detail
```

Example Responses

Status code: 200

```
{
  "id" : "f9228e23118c4fa5a9c86493ea0cffc2",
  "name" : "System-defined policies",
  "version" : "ace33a17a73442e398fedc123d047da2",
  "is_valid" : true,
  "creator" : "system",
  "create_time" : "2022-11-14T16:12:12",
```

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```
 "updater" : "system",
 "update_time" : "2023-03-13T20:40:56",
 "rule_instances" : [ {
  "id" : "ee207826d1773f9122857474af314e48",
  "type" : "Gate",
  "name" : "API test pass rate access control",
  "is_valid" : false,
  "version" : "90cd646fa8cd7f91d38e592dbb76a62e",
  "plugin_id" : "official_devcloud_apiTest",
  "plugin_name" : "official_devcloud_apiTest",
  "plugin_version" : "0.0.1",
  "content" : [ {
   "group_name" : "API test pass rate access control",
   "can_modify_when_inherit" : true,
   "properties" : [ {
    "key" : "apitest",
    "type" : "judge",
    "name" : "API test pass rate",
    "value_type" : "float",
    "value" : "1.0",
    "operator" : ">="
   } ]
  } ]
 } ]
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowProjectStrategySolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowProjectStrategyRequest request = new ShowProjectStrategyRequest();
        request.withRuleSetId("{rule_set_id}");
        request.withProjectId("{project_id}");
        try {
            ShowProjectStrategyResponse response = client.showProjectStrategy(request);
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowProjectStrategyRequest()
        request.rule_set_id = "{rule_set_id}"
        request.project_id = "{project_id}"
        response = client.show_project_strategy(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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.
```

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```
    // 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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowProjectStrategyRequest{}
    request.RuleSetId = "{rule_set_id}"
    request.ProjectId = "{project_id}"
    response, err := client.ShowProjectStrategy(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.6.3 Creating a Policy

Function

This API is used to create a policy.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/rule-sets/create

Table 4-606 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition:** Project ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-607 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Policy name. **Constraints**: The policy name can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: Enter a maximum of 128 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
cloud_project_id	Yes	String	**Definition**: Project ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
rules	Yes	Array of **rules** objects	**Definition:** Rule details. **Constraints**: N/A **Value range**: No more than 20 rules. **Default value**: N/A

Table 4-608 rules

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Rule ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_valid	Yes	Boolean	**Definition:** Whether to enable the rule. **Constraints**: N/A **Value range**: • **true**: enabled. • **false**: disabled. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-609 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the update is successful. **Value range**: • **true**: The update is successful. • **false**: The update fails.
rule_set_id	String	**Definition**: Policy ID. **Value range**: The value consists of 32 characters, including digits and letters.

Example Requests

```
POST https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rule-sets/create

{
  "name" : "New policy-20240625200400",
  "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
  "rules" : [ {
    "id" : "597c7f2f775740a1bb522b03a16e6864",
    "is_valid" : true
  } ]
}
```

Example Responses

Status code: 200

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```
{
  "status" : true,
  "rule_set_id" : "e42be82e7d514437a322dce4d42bdec8"
}
```

Status Codes

Status Code	Description
200	Response body for creating a policy.

Error Codes

See **Error Codes**.

4.6.4 Querying Policy Usage

Function

This API is used to query policy usage.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/rule-sets/{ruleSetId}/related/query

Table 4-610 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
ruleSetId	Yes	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-611 Response body parameters

Parameter	Type	Description
project_count	Long	**Definition:** Number of projects. **Value range**: N/A
pipeline_count	Long	**Definition:** Number of pipelines. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/83575118c90d4875be6ff167cd25424a/rule-sets/
63963e542f0945a3b6243c01aa2fc0c0/related/query
```

Example Responses

Status code: 200

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```
{
  "project_count" : 0,
  "pipeline_count" : 0
}
```

Status Codes

Status Code	Description
200	Response body for querying policy usage.

Error Codes

See **Error Codes**.

4.6.5 Inheriting a Policy

Function

This API is used to inherit a policy.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/rule-sets/inherit

Table 4-612 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.

Request Parameters

Table 4-613 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Policy name.
parent_id	Yes	String	Parent policy ID.
cloud_project_id	Yes	String	Project ID.

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Parameter	Mandatory	Type	Description
rules	No	Array of strings	Rule.
is_valid	Yes	Boolean	Enable or not.

Response Parameters

Status code: 200

Table 4-614 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the update is successful. **Value range**: • **true**: The update is successful. • **false**: The update fails.
rule_set_id	String	**Definition**: Policy ID. **Value range**: The value consists of 32 characters, including digits and letters.

Example Requests

```
POST https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rule-sets/inherit

{
  "name" : "New policy -20240625194116-copy-98528",
  "parent_id" : "62e21804566e4e18bc8106f6c961aefd",
  "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
  "rules" : [ ],
  "is_valid" : true
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_set_id" : "2f4a244eff3442f0befd6df80a1eabec"
}
```

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Status Codes

Status Code	Description
200	Response body for inheriting a policy.

Error Codes

See **Error Codes**.

4.6.6 Switching the Status of a Policy

Function

This API is used to switch the status of a policy.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/rule-sets/{ruleSetId}/switch

Table 4-615 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
ruleSetId	Yes	String	Policy ID.

Request Parameters

Table 4-616 Request body parameters

Parameter	Mandatory	Type	Description
is_valid	Yes	Boolean	Whether it is valid, **true**: valid; **false**: not valid.

Response Parameters

Status code: 200

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Table 4-617 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the update is successful. **Value range**: • **true**: The update is successful. • **false**: The update fails.
rule_set_id	String	**Definition**: Policy ID. **Value range**: The value consists of 32 characters, including digits and letters.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rule-sets/
2f4a244eff3442f0befd6df80a1eabec/switch

{
  "is_valid" : true
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_set_id" : "2f4a244eff3442f0befd6df80a1eabec"
}
```

Status Codes

Status Code	Description
200	Response body for changing the policy status.

Error Codes

See **Error Codes**.

4.6.7 Deleting a Policy

Function

This API is used to delete a policy.

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Calling Method

For details, see **Calling APIs**.

URI

DELETE /v2/{cloudProjectId}/rule-sets/{ruleSetId}/delete

Table 4-618 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
ruleSetId	Yes	String	**Definition**: Policy ID, which is the unique identifier of a policy. Obtain the policy ID by calling the API for **querying policies**. **data.id** indicates the policy ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-619 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Successful or not. **Value range**: • **true**: successful. • **false**: failed.

Example Requests

```
DELETE https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rule-sets/
2f4a244eff3442f0befd6df80a1eabec/delete
```

Example Responses

Status code: 200

```
{
  "status" : true
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.6.8 Querying the Details of a Policy

Function

This API is used to query the details of a policy.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/rule-sets/{ruleSetId}/detail

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Table 4-620 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
ruleSetId	Yes	String	Policy ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-621 Response body parameters

Parameter	Type	Description
id	String	**Definition:** Rule template instance ID. **Value range**: N/A
name	String	**Definition:** Rule template instance name. **Value range**: N/A
type	String	**Definition:** Rule instance type. **Value range**: N/A
version	String	**Definition:** Rule instance version. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule instance takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.

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Parameter	Type	Description
level	String	**Definition:** Effective level of a rule instance. **Value range**: N/A
is_public	Boolean	**Definition:** Whether the rule instance is system-level. **Value range**: • **true**: The rule instance is system-level. • **false**: The rule instance is not system-level.
is_legacy	Boolean	**Definition** Whether the rule instance data is from version 1.0. **Range** • **true**: The rule instance data is from version 1.0. • **false**: The rule instance data is not from version 1.0. • null: The rule instance is not 1.0 data.
creator	String	**Definition** Policy creator. **Range** N/A
create_time	String	**Definition** Policy creation time. **Range** N/A
updater	String	**Definition** User who last updated the policy. **Range** N/A
update_time	String	**Definition** Time when the policy was last updated. **Range** N/A

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Parameter	Type	Description
rule_instances	Array of **RuleInstance** objects	**Definition** Rule instance set. **Range** N/A

Table 4-622 RuleInstance

Parameter	Type	Description
id	String	**Definition:** Rule instance ID. **Value range**: The value consists of 32 characters, including digits and letters.
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Rule name. **Value range**: N/A
version	String	**Definition:** Rule version. **Value range**: N/A
plugin_id	String	**Definition:** Extension ID. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A

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Parameter	Type	Description
plugin_version	String	**Definition:** Extension version number. **Value range**: N/A
is_valid	Boolean	**Definition:** Whether the rule takes effect. **Value range**: • **true**: The rule takes effect. • **false**: The rule does not take effect.
editable	Boolean	**Definition:** Whether the rule can be edited. **Value range**: • **true**: The rule can be edited. • **false**: The rule cannot be edited.
content	Array of **RuleInstanceContent** objects	**Definition:** Rule instance set. **Value range**: N/A
parent	**RuleSet** object	**Definition** Parent instance attribute. Available only for inherited project-level policies. **Range** N/A
creator	String	**Definition**: Rule creator. **Value range**: N/A
create_time	String	**Definition**: Time when a rule was created. **Value range**: N/A
updater	String	**Definition**: User who last updated the rule. **Value range**: N/A

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Parameter	Type	Description
update_time	String	**Definition**: Time when the rule was last updated. **Value range**: N/A

Table 4-623 RuleInstanceContent

Parameter	Type	Description
group_name	String	**Definition:** Group name. **Value range**: N/A
editable	Boolean	**Definition**: Editable or not. **Value range**: N/A
type	String	**Definition:** Group type. **Value range**: N/A
can_modify_when_inherit	Boolean	**Definition:** Whether the threshold of the inherited sub-policy can be modified. **Value range**: • **true**: The threshold can be modified. • **false**: The threshold cannot be modified.
properties	Array of **RuleInstanceProperty** objects	**Definition:** Rule attributes.

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Table 4-624 RuleInstanceProperty

Parameter	Type	Description
key	String	**Definition:** Rule attribute key. **Value range**: N/A
type	String	**Definition:** Rule type. **Value range**: N/A
name	String	**Definition:** Displayed name. **Value range**: N/A
operator	String	**Definition:** Comparison operator. **Value range**: N/A
value	String	**Definition:** Attribute value. **Value range**: N/A
value_type	String	**Definition**: Data type. **Range**: • **float**: numeric type. • **string**: string type.
is_valid	Boolean	**Definition**: Valid or not. **Value range**: • **true**: valid. • **false**: invalid.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rule-sets/
842cacd3424a470eb410300b537fa756/detail
```

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Example Responses

Status code: 200


```
{
  "id" : "1dde04fab51e4a05880b176528957410",
  "name" : "Creating a Policy - 20260129102241",
  "level" : "project",
  "version" : "7968d4bc29974116876df416bdfd6760",
  "is_valid" : true,
  "is_public" : false,
  "creator" : "05d8ca972f114765a8984795a8aa4d41",
  "create_time" : "2026-01-29 10:22:54",
  "updater" : "05d8ca972f114765a8984795a8aa4d41",
  "update_time" : "2026-01-29 10:28:04",
  "rule_instances" : [ {
    "id" : "a78286b81469427bafa218d9640c4ec2",
    "type" : "Build",
    "name" : "1120",
    "is_valid" : true,
    "version" : "af4a439d47c5418dacb25fc6e6957aa1",
    "plugin_id" : "official_devcloud_cloudBuild",
    "plugin_name" : "official_devcloud_cloudBuild",
    "plugin_version" : "0.0.16",
    "content" : [ {
      "group_name" : "Instruction coverage",
      "can_modify_when_inherit" : true,
      "editable" : true,
      "properties" : [ {
        "key" : "build.InstructionTotal",
        "type" : "judge",
        "name" : "Total number of commands",
        "value_type" : "float",
        "value" : "0",
        "operator" : "=",
        "is_valid" : true
      }, {
        "key" : "build.InstructionCovered",
        "type" : "judge",
        "name" : "Number of covered instructions",
        "value_type" : "float",
        "value" : "0",
        "operator" : "=",
        "is_valid" : true
      }, {
        "key" : "build.InstructionCoverageRatio",
        "type" : "judge",
        "name" : "Instruction coverage rate",
        "value_type" : "float",
        "value" : "0",
        "operator" : "=",
        "is_valid" : true
      } ]
    } ],
    "creator" : "05d8ca972f114765a8984795a8aa4d41",
    "create_time" : "2025-11-21 16:06:23",
    "updater" : "05d8ca972f114765a8984795a8aa4d41",
    "update_time" : "2025-11-21 16:06:23"
  } ]
}
```


Status Codes

Status Code	Description
200	Response body for querying policy details.

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Error Codes

See **Error Codes**.

4.6.9 Updating a Policy

Function

This API is used to update a policy.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/rule-sets/{ruleSetId}/update

Table 4-625 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
ruleSetId	Yes	String	Policy ID.

Request Parameters

Table 4-626 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Policy name.
rules	Yes	Array of **rules** objects	Rule.

Table 4-627 rules

Parameter	Mandatory	Type	Description
id	Yes	String	Rule ID.
is_valid	Yes	Boolean	Enable or not.

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Response Parameters

Status code: 200

Table 4-628 Response body parameters

Parameter	Type	Description
status	Boolean	**Definition:** Whether the update is successful. **Value range**: • **true**: The update is successful. • **false**: The update fails.
rule_set_id	String	**Definition**: Policy ID. **Value range**: The value consists of 32 characters, including digits and letters.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/rule-sets/
842cacd3424a470eb410300b537fa756/update

{
  "name" : "New policy-20240625194201",
  "cloud_project_id" : "32f9b2fa24c544b5b2e79dc595be6305",
  "is_valid" : true,
  "rules" : [ {
    "id" : "df6f4de49cf14d738ce34ec63e5039ff",
    "is_valid" : true
  } ]
}
```

Example Responses

Status code: 200

```
{
  "status" : true,
  "rule_set_id" : "842cacd3424a470eb410300b537fa756"
}
```

Status Codes

Status Code	Description
200	Response body for updating a policy.

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Error Codes

See **Error Codes**.

4.7 Extension Management

4.7.1 Creating an Extension Version

Function

This API is used to create an extension version.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/create

Table 4-629 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-630 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-631 Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	**Definition**: Extension ID. Obtain the ID by calling the API for **querying the extension details**. **unique_id** indicates extension ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
icon_url	No	String	**Definition:** URL of the extension icon. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
runtime_attribution	Yes	String	**Definition:** Running attribute. **Constraints**: N/A **Value range**: • **agent**: agent-based running. • **agentless**: agentless running. **Default value**: N/A
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
display_name	Yes	String	**Definition:** Display name. **Constraints**: Enter only letters, spaces, digits, hyphens (-), underscores (_), and periods (.). **Value range**: 1 to 50 characters. **Default value**: N/A
business_type	Yes	String	**Definition**: Service type. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
business_type_display_name	Yes	String	**Definition:** Service type of the extension. **Constraints**: N/A **Value range**: • **Build**. • **Check**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	Yes	String	**Definition:** Extension description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_private	No	Integer	**Definition:** Whether the extension is private. **Constraints**: N/A **Value range**: • **1**: private. • **0**: public. **Default value**: **0**.
region	No	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainers	No	String	**Definition:** Extension maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
plugin_composition_type	No	String	**Definition**: Combination type of an extension. **Constraints**: N/A **Range**: • **single**: single-step extension. • **multi**: multi-step extension. **Default value**: N/A
manifest_version	No	String	**Definition**: It is used to distinguish data of the new and old versions. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Extension version number. **Constraints**: The value must be in the format of *x.xx.xx* (for example, **1.0.2**), where *x* is a number ranging from **0** to **99**. *xx* indicates the number following the dot (.). Each *xx* can be a one-digit or two-digit number. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
version_description	No	String	**Definition:** Description of the minor version of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
execution_info	Yes	**execution_info** object	**Definition:** Execution information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
output_info	No	Array of **output_info** objects	**Definition**: Extension output content. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
input_info	No	Array of **input_info** objects	**Definition:** Input Information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-632 execution_info

Parameter	Mandatory	Type	Description
inner_execution_info	Yes	**inner_execution_info** object	**Definition:** Extension execution information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-633 inner_execution_info

Parameter	Mandatory	Type	Description
execution_type	No	String	**Definition**: Extension type. **Constraints**: N/A **Value range**: **CONTAINER**, **ZIP**, **SHELL**, or **COMPOSITE**. **Default value**: N/A
steps	No	Array of **steps** objects	**Definition**: Step list. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-634 steps

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Task name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
task	No	String	**Definition**: Task type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Map<String,Object>	**Definition**: Parameter information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-635 output_info

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Unique identifier of the extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	No	String	**Definition**: Extension output version number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition**: Description of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
source	No	String	**Definition**: Source of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Output type of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-636 input_info

Parameter	Mandatory	Type	Description
name	No	String	**Definition:** Unique identifier of the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
default_value	No	String	**Definition:** Default value of the extension input configuration. If this parameter is not set, the default value is displayed. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Input type of the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
validation	No	String	**Definition:** Regular expression verification rule of the input content in the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
layout_content	No	String	**Definition:** Style information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-637 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the creation is successful. **Value range**: • true: The creation is successful. • false: The creation fails.

Status code: 400

Table 4-638 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/create

{
  "plugin_name" : "apie_test",
  "display_name" : "apie_test",
  "version" : "0.0.2",
  "version_description" : "",
  "description" : "",
  "unique_id" : "ab43c83c2ae04000afd039ad894e953b",
  "business_type" : "Normal",
  "business_type_display_name" : "General",
  "icon_url" : "",
  "runtime_attribution" : "agent",
  "input_info" : [ ],
  "execution_info" : {
    "inner_execution_info" : {
      "execution_type" : "COMPOSITE",
      "steps" : [ {
        "task" : "official_shell_plugin",
        "name" : "Executing the Shell",
        "variables" : {
          "OFFICIAL_SHELL_SCRIPT_INPUT" : "env"
        }
      } ]
    }
```

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```
 }
}
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

public class CreatePluginVersionSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePluginVersionRequest request = new CreatePluginVersionRequest();
        request.withDomainId("{domain_id}");
        PluginDTO body = new PluginDTO();
        Map<String, Object> listStepsVariables = new HashMap<>();
        listStepsVariables.put("OFFICIAL_SHELL_SCRIPT_INPUT", "env");
        List<PluginDTOExecutionInfoInnerExecutionInfoSteps> listInnerExecutionInfoSteps = new ArrayList<>();
        listInnerExecutionInfoSteps.add(
            new PluginDTOExecutionInfoInnerExecutionInfoSteps()
                .withName("Executing the Shell")
                .withTask("official_shell_plugin")
                .withVariables(listStepsVariables)
        );
        PluginDTOExecutionInfoInnerExecutionInfo innerExecutionInfoExecutionInfo = new PluginDTOExecutionInfoInnerExecutionInfo();
        innerExecutionInfoExecutionInfo.withExecutionType("COMPOSITE")
            .withSteps(listInnerExecutionInfoSteps);
        PluginDTOExecutionInfo executionInfobody = new PluginDTOExecutionInfo();
```

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```
        executionInfobody.withInnerExecutionInfo(innerExecutionInfoExecutionInfo);
        body.withExecutionInfo(executionInfobody);
        body.withVersionDescription("");
        body.withVersion("0.0.2");
        body.withDescription("");
        body.withBusinessTypeDisplayName("General");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withRuntimeAttribution("agent");
        body.withIconUrl("");
        body.withUniqueId("ab43c83c2ae04000afd039ad894e953b");
        request.withBody(body);
        try {
            CreatePluginVersionResponse response = client.createPluginVersion(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePluginVersionRequest()
        request.domain_id = "{domain_id}"
        listVariablesSteps = {
            "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
        listStepsInnerExecutionInfo = [
            PluginDTOExecutionInfoInnerExecutionInfoSteps(
                name="Executing the Shell",
                task="official_shell_plugin",
                variables=listVariablesSteps
            )
        ]
```

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```
        innerExecutionInfoExecutionInfo = PluginDTOExecutionInfoInnerExecutionInfo(
            execution_type="COMPOSITE",
            steps=listStepsInnerExecutionInfo
        )
        executionInfobody = PluginDTOExecutionInfo(
            inner_execution_info=innerExecutionInfoExecutionInfo
        )
        request.body = PluginDTO(
            execution_info=executionInfobody,
            version_description="",
            version="0.0.2",
            description="",
            business_type_display_name="General",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            runtime_attribution="agent",
            icon_url="",
            unique_id="ab43c83c2ae04000afd039ad894e953b"
        )
        response = client.create_plugin_version(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePluginVersionRequest{}
    request.DomainId = "{domain_id}"
    var listVariablesSteps = map[string]interface{}{
        "OFFICIAL_SHELL_SCRIPT_INPUT": "env",
    }
    nameSteps:= "Executing the Shell"
    taskSteps:= "official_shell_plugin"
    var listStepsInnerExecutionInfo = []model.PluginDtoExecutionInfoInnerExecutionInfoSteps{
        {
            Name: &nameSteps,
            Task: &taskSteps,
            Variables: listVariablesSteps,
        },
    }
    executionTypeInnerExecutionInfo:= "COMPOSITE"
    innerExecutionInfoExecutionInfo := &model.PluginDtoExecutionInfoInnerExecutionInfo{
        ExecutionType: &executionTypeInnerExecutionInfo,
        Steps: &listStepsInnerExecutionInfo,
    }
    executionInfobody := &model.PluginDtoExecutionInfo{
        InnerExecutionInfo: innerExecutionInfoExecutionInfo,
    }
    versionDescriptionPluginDto:= ""
    iconUrlPluginDto:= ""
    uniqueIdPluginDto:= "ab43c83c2ae04000afd039ad894e953b"
    request.Body = &model.PluginDto{
        ExecutionInfo: executionInfobody,
        VersionDescription: &versionDescriptionPluginDto,
        Version: "0.0.2",
        Description: "",
        BusinessTypeDisplayName: "General",
        BusinessType: "Normal",
        DisplayName: "apie_test",
        PluginName: "apie_test",
        RuntimeAttribution: "agent",
        IconUrl: &iconUrlPluginDto,
        UniqueId: &uniqueIdPluginDto,
    }
    response, err := client.CreatePluginVersion(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
400	Bad request
401	Unauthorized

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Status Code	Description
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.2 Creating an Extension Draft Version

Function

This API is used to create an extension draft version.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/create-draft

Table 4-639 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-640 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-641 Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	**Definition**: Extension ID. Obtain the ID by calling the API for **querying the extension details**. **unique_id** indicates extension ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
icon_url	No	String	**Definition:** URL of the extension icon. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
runtime_attribution	Yes	String	**Definition:** Running attribute. **Constraints**: N/A **Value range**: • **agent**: agent-based running. • **agentless**: agentless running. **Default value**: N/A
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
display_name	Yes	String	**Definition:** Display name. **Constraints**: Enter only letters, spaces, digits, hyphens (-), underscores (_), and periods (.). **Value range**: 1 to 50 characters. **Default value**: N/A
business_type	Yes	String	**Definition**: Service type. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
business_type_display_name	Yes	String	**Definition:** Service type of the extension. **Constraints**: N/A **Value range**: • **Build**. • **Check**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	Yes	String	**Definition:** Extension description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_private	No	Integer	**Definition:** Whether the extension is private. **Constraints**: N/A **Value range**: • **1**: private. • **0**: public. **Default value**: **0**.
region	No	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainers	No	String	**Definition:** Extension maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
plugin_composition_type	No	String	**Definition**: Combination type of an extension. **Constraints**: N/A **Range**: • **single**: single-step extension. • **multi**: multi-step extension. **Default value**: N/A
manifest_version	No	String	**Definition**: It is used to distinguish data of the new and old versions. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Extension version number. **Constraints**: The value must be in the format of *x.xx.xx* (for example, **1.0.2**), where *x* is a number ranging from **0** to **99**. *xx* indicates the number following the dot (.). Each *xx* can be a one-digit or two-digit number. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
version_description	No	String	**Definition:** Description of the minor version of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
execution_info	Yes	**execution_info** object	**Definition:** Execution information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
output_info	No	Array of **output_info** objects	**Definition**: Extension output content. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
input_info	No	Array of **input_info** objects	**Definition:** Input Information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-642 execution_info

Parameter	Mandatory	Type	Description
inner_execution_info	Yes	**inner_execution_info** object	**Definition:** Extension execution information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-643 inner_execution_info

Parameter	Mandatory	Type	Description
execution_type	No	String	**Definition**: Extension type. **Constraints**: N/A **Value range**: **CONTAINER**, **ZIP**, **SHELL**, or **COMPOSITE**. **Default value**: N/A
steps	No	Array of **steps** objects	**Definition**: Step list. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-644 steps

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Task name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
task	No	String	**Definition**: Task type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Map<String,Object>	**Definition**: Parameter information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-645 output_info

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Unique identifier of the extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	No	String	**Definition**: Extension output version number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition**: Description of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
source	No	String	**Definition**: Source of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Output type of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-646 input_info

Parameter	Mandatory	Type	Description
name	No	String	**Definition:** Unique identifier of the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
default_value	No	String	**Definition:** Default value of the extension input configuration. If this parameter is not set, the default value is displayed. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Input type of the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
validation	No	String	**Definition:** Regular expression verification rule of the input content in the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
layout_content	No	String	**Definition:** Style information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-647 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-648 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/create-draft

{
  "plugin_name" : "apie_test",
  "display_name" : "apie_test",
  "business_type" : "Normal",
  "description" : "",
  "maintainers" : "",
  "business_type_display_name" : "General",
  "icon_url" : "",
  "version" : "0.0.1",
  "version_description" : "",
  "input_info" : [ ],
  "execution_info" : {
    "inner_execution_info" : {
      "execution_type" : "COMPOSITE",
      "steps" : [ {
        "task" : "official_shell_plugin",
        "name" : "Executing the Shell",
        "variables" : {
          "OFFICIAL_SHELL_SCRIPT_INPUT" : "env"
        }
      } ]
    }
  },
```

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```
  "runtime_attribution" : "agent"
}
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

public class CreatePluginDraftSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePluginDraftRequest request = new CreatePluginDraftRequest();
        request.withDomainId("{domain_id}");
        PluginDTO body = new PluginDTO();
        Map<String, Object> listStepsVariables = new HashMap<>();
        listStepsVariables.put("OFFICIAL_SHELL_SCRIPT_INPUT", "env");
        List<PluginDTOExecutionInfoInnerExecutionInfoSteps> listInnerExecutionInfoSteps = new ArrayList<>();
        listInnerExecutionInfoSteps.add(
            new PluginDTOExecutionInfoInnerExecutionInfoSteps()
                .withName("Executing the Shell")
                .withTask("official_shell_plugin")
                .withVariables(listStepsVariables)
        );
        PluginDTOExecutionInfoInnerExecutionInfo innerExecutionInfoExecutionInfo = new PluginDTOExecutionInfoInnerExecutionInfo();
        innerExecutionInfoExecutionInfo.withExecutionType("COMPOSITE")
            .withSteps(listInnerExecutionInfoSteps);
        PluginDTOExecutionInfo executionInfobody = new PluginDTOExecutionInfo();
```

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```
        executionInfobody.withInnerExecutionInfo(innerExecutionInfoExecutionInfo);
        body.withExecutionInfo(executionInfobody);
        body.withVersionDescription("");
        body.withVersion("0.0.1");
        body.withMaintainers("");
        body.withDescription("");
        body.withBusinessTypeDisplayName("General");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withRuntimeAttribution("agent");
        body.withIconUrl("");
        request.withBody(body);
        try {
            CreatePluginDraftResponse response = client.createPluginDraft(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePluginDraftRequest()
        request.domain_id = "{domain_id}"
        listVariablesSteps = {
            "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
        listStepsInnerExecutionInfo = [
            PluginDTOExecutionInfoInnerExecutionInfoSteps(
                name="Executing the Shell",
                task="official_shell_plugin",
                variables=listVariablesSteps
            )
        ]
```

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```
        innerExecutionInfoExecutionInfo = PluginDTOExecutionInfoInnerExecutionInfo(
            execution_type="COMPOSITE",
            steps=listStepsInnerExecutionInfo
        )
        executionInfobody = PluginDTOExecutionInfo(
            inner_execution_info=innerExecutionInfoExecutionInfo
        )
        request.body = PluginDTO(
            execution_info=executionInfobody,
            version_description="",
            version="0.0.1",
            maintainers="",
            description="",
            business_type_display_name="General",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            runtime_attribution="agent",
            icon_url=""
        )
        response = client.create_plugin_draft(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePluginDraftRequest{}
    request.DomainId = "{domain_id}"
    var listVariablesSteps = map[string]interface{}{
        "OFFICIAL_SHELL_SCRIPT_INPUT": "env",
    }
    nameSteps:= "Executing the Shell"
    taskSteps:= "official_shell_plugin"
    var listStepsInnerExecutionInfo = []model.PluginDtoExecutionInfoInnerExecutionInfoSteps{
        {
            Name: &nameSteps,
            Task: &taskSteps,
            Variables: listVariablesSteps,
        },
    }
    executionTypeInnerExecutionInfo:= "COMPOSITE"
    innerExecutionInfoExecutionInfo := &model.PluginDtoExecutionInfoInnerExecutionInfo{
        ExecutionType: &executionTypeInnerExecutionInfo,
        Steps: &listStepsInnerExecutionInfo,
    }
    executionInfobody := &model.PluginDtoExecutionInfo{
        InnerExecutionInfo: innerExecutionInfoExecutionInfo,
    }
    versionDescriptionPluginDto:= ""
    maintainersPluginDto:= ""
    iconUrlPluginDto:= ""
    request.Body = &model.PluginDto{
        ExecutionInfo: executionInfobody,
        VersionDescription: &versionDescriptionPluginDto,
        Version: "0.0.1",
        Maintainers: &maintainersPluginDto,
        Description: "",
        BusinessTypeDisplayName: "General",
        BusinessType: "Normal",
        DisplayName: "apie_test",
        PluginName: "apie_test",
        RuntimeAttribution: "agent",
        IconUrl: &iconUrlPluginDto,
    }
    response, err := client.CreatePluginDraft(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
400	Bad request
401	Unauthorized

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Status Code	Description
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.3 Creating a Publisher

Function

This API is used to create a publisher.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/publisher/create

Table 4-649 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-650 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-651 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Publisher name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
user_id	No	String	**Definition:** User ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	No	String	**Definition:** Publisher description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
logo_url	No	String	**Definition:** Publisher icon URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
website	No	String	**Definition:** Publisher website URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
support_url	Yes	String	**Definition:** Publisher help address. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
source_url	No	String	**Definition:** Source code address of the publisher. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
en_name	Yes	String	**Definition:** Publisher name (English). **Constraints**: N/A **Value range**: N/A **Default value**: N/A
publisher_unique_id	No	String	**Definition**: Publisher ID. Obtain the ID by calling the API for **querying publisher details**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-652 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-653 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/create

{
  "name" : "aaa",
  "en_name" : "aaa",
  "website" : "",
  "support_url" : "aaa@aa.com",
  "source_url" : "",
  "description" : "",
  "logo_url" : ""
}
```

Example Responses

Status code: 200

```
true
```

SDK Sample Code

The SDK sample code is as follows.

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class CreatePublisherSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePublisherRequest request = new CreatePublisherRequest();
        request.withDomainId("{domain_id}");
        PublisherRequest body = new PublisherRequest();
        body.withEnName("aaa");
        body.withSourceUrl("");
        body.withSupportUrl("aaa@aa.com");
        body.withWebsite("");
        body.withLogoUrl("");
        body.withDescription("");
        body.withName("aaa");
        request.withBody(body);
        try {
            CreatePublisherResponse response = client.createPublisher(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
```

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```
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePublisherRequest()
        request.domain_id = "{domain_id}"
        request.body = PublisherRequest(
            en_name="aaa",
            source_url="",
            support_url="aaa@aa.com",
            website="",
            logo_url="",
            description="",
            name="aaa"
        )
        response = client.create_publisher(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePublisherRequest{}
    request.DomainId = "{domain_id}"
    sourceUrlPublisherRequest:= ""
    websitePublisherRequest:= ""
    logoUrlPublisherRequest:= ""
    descriptionPublisherRequest:= ""
    request.Body = &model.PublisherRequest{
        EnName: "aaa",
        SourceUrl: &sourceUrlPublisherRequest,
        SupportUrl: "aaa@aa.com",
        Website: &websitePublisherRequest,
        LogoUrl: &logoUrlPublisherRequest,
        Description: &descriptionPublisherRequest,
        Name: "aaa",
    }
    response, err := client.CreatePublisher(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.7.4 Updating an Extension Draft

Function

This API is used to update an extension draft.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/edit-draft

Table 4-654 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-655 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-656 Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	**Definition**: Extension ID. Obtain the ID by calling the API for **querying the extension details**. **unique_id** indicates extension ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
icon_url	No	String	**Definition:** URL of the extension icon. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
runtime_attribution	Yes	String	**Definition:** Running attribute. **Constraints**: N/A **Value range**: • **agent**: agent-based running. • **agentless**: agentless running. **Default value**: N/A
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
display_name	Yes	String	**Definition:** Display name. **Constraints**: Enter only letters, spaces, digits, hyphens (-), underscores (_), and periods (.). **Value range**: 1 to 50 characters. **Default value**: N/A
business_type	Yes	String	**Definition**: Service type. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
business_type_display_name	Yes	String	**Definition:** Service type of the extension. **Constraints**: N/A **Value range**: • **Build**. • **Check**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	Yes	String	**Definition:** Extension description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_private	No	Integer	**Definition:** Whether the extension is private. **Constraints**: N/A **Value range**: • **1**: private. • **0**: public. **Default value**: **0**.
region	No	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainers	No	String	**Definition:** Extension maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
plugin_composition_type	No	String	**Definition**: Combination type of an extension. **Constraints**: N/A **Range**: • **single**: single-step extension. • **multi**: multi-step extension. **Default value**: N/A
manifest_version	No	String	**Definition**: It is used to distinguish data of the new and old versions. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Extension version number. **Constraints**: The value must be in the format of *x.xx.xx* (for example, **1.0.2**), where *x* is a number ranging from **0** to **99**. *xx* indicates the number following the dot (.). Each *xx* can be a one-digit or two-digit number. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
version_description	No	String	**Definition:** Description of the minor version of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
execution_info	Yes	**execution_info** object	**Definition:** Execution information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
output_info	No	Array of **output_info** objects	**Definition**: Extension output content. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
input_info	No	Array of **input_info** objects	**Definition:** Input Information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-657 execution_info

Parameter	Mandatory	Type	Description
inner_execution_info	Yes	**inner_execution_info** object	**Definition:** Extension execution information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-658 inner_execution_info

Parameter	Mandatory	Type	Description
execution_type	No	String	**Definition**: Extension type. **Constraints**: N/A **Value range**: **CONTAINER**, **ZIP**, **SHELL**, or **COMPOSITE**. **Default value**: N/A
steps	No	Array of **steps** objects	**Definition**: Step list. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-659 steps

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Task name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
task	No	String	**Definition**: Task type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
variables	No	Map<String,Object>	**Definition**: Parameter information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-660 output_info

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Unique identifier of the extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	No	String	**Definition**: Extension output version number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition**: Description of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
source	No	String	**Definition**: Source of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Output type of extension output configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-661 input_info

Parameter	Mandatory	Type	Description
name	No	String	**Definition:** Unique identifier of the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
default_value	No	String	**Definition:** Default value of the extension input configuration. If this parameter is not set, the default value is displayed. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Input type of the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
validation	No	String	**Definition:** Regular expression verification rule of the input content in the extension input configuration. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
layout_content	No	String	**Definition:** Style information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-662 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-663 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/edit-draft

{
  "plugin_name" : "apie_test",
  "display_name" : "apie_test",
  "business_type" : "Normal",
  "description" : "",
  "maintainers" : "",
  "business_type_display_name" : "General",
  "icon_url" : "",
  "version" : "0.0.1",
  "version_description" : "",
  "input_info" : [ ],
  "execution_info" : {
    "inner_execution_info" : {
      "execution_type" : "COMPOSITE",
      "steps" : [ {
        "task" : "official_shell_plugin",
        "name" : "Executing the Shell",
        "variables" : {
          "OFFICIAL_SHELL_SCRIPT_INPUT" : "env"
        }
      } ]
    }
  },
```

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```
  "runtime_attribution" : "agent"
}
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

public class UpdatePluginDraftSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdatePluginDraftRequest request = new UpdatePluginDraftRequest();
        request.withDomainId("{domain_id}");
        PluginDTO body = new PluginDTO();
        Map<String, Object> listStepsVariables = new HashMap<>();
        listStepsVariables.put("OFFICIAL_SHELL_SCRIPT_INPUT", "env");
        List<PluginDTOExecutionInfoInnerExecutionInfoSteps> listInnerExecutionInfoSteps = new ArrayList<>();
        listInnerExecutionInfoSteps.add(
            new PluginDTOExecutionInfoInnerExecutionInfoSteps()
                .withName("Executing the Shell")
                .withTask("official_shell_plugin")
                .withVariables(listStepsVariables)
        );
        PluginDTOExecutionInfoInnerExecutionInfo innerExecutionInfoExecutionInfo = new PluginDTOExecutionInfoInnerExecutionInfo();
        innerExecutionInfoExecutionInfo.withExecutionType("COMPOSITE")
            .withSteps(listInnerExecutionInfoSteps);
        PluginDTOExecutionInfo executionInfobody = new PluginDTOExecutionInfo();
```

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```
        executionInfobody.withInnerExecutionInfo(innerExecutionInfoExecutionInfo);
        body.withExecutionInfo(executionInfobody);
        body.withVersionDescription("");
        body.withVersion("0.0.1");
        body.withMaintainers("");
        body.withDescription("");
        body.withBusinessTypeDisplayName("General");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withRuntimeAttribution("agent");
        body.withIconUrl("");
        request.withBody(body);
        try {
            UpdatePluginDraftResponse response = client.updatePluginDraft(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdatePluginDraftRequest()
        request.domain_id = "{domain_id}"
        listVariablesSteps = {
            "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
        listStepsInnerExecutionInfo = [
            PluginDTOExecutionInfoInnerExecutionInfoSteps(
                name="Executing the Shell",
                task="official_shell_plugin",
                variables=listVariablesSteps
            )
        ]
```

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```
        innerExecutionInfoExecutionInfo = PluginDTOExecutionInfoInnerExecutionInfo(
            execution_type="COMPOSITE",
            steps=listStepsInnerExecutionInfo
        )
        executionInfobody = PluginDTOExecutionInfo(
            inner_execution_info=innerExecutionInfoExecutionInfo
        )
        request.body = PluginDTO(
            execution_info=executionInfobody,
            version_description="",
            version="0.0.1",
            maintainers="",
            description="",
            business_type_display_name="General",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            runtime_attribution="agent",
            icon_url=""
        )
        response = client.update_plugin_draft(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdatePluginDraftRequest{}
    request.DomainId = "{domain_id}"
    var listVariablesSteps = map[string]interface{}{
        "OFFICIAL_SHELL_SCRIPT_INPUT": "env",
    }
    nameSteps:= "Executing the Shell"
    taskSteps:= "official_shell_plugin"
    var listStepsInnerExecutionInfo = []model.PluginDtoExecutionInfoInnerExecutionInfoSteps{
        {
            Name: &nameSteps,
            Task: &taskSteps,
            Variables: listVariablesSteps,
        },
    }
    executionTypeInnerExecutionInfo:= "COMPOSITE"
    innerExecutionInfoExecutionInfo := &model.PluginDtoExecutionInfoInnerExecutionInfo{
        ExecutionType: &executionTypeInnerExecutionInfo,
        Steps: &listStepsInnerExecutionInfo,
    }
    executionInfobody := &model.PluginDtoExecutionInfo{
        InnerExecutionInfo: innerExecutionInfoExecutionInfo,
    }
    versionDescriptionPluginDto:= ""
    maintainersPluginDto:= ""
    iconUrlPluginDto:= ""
    request.Body = &model.PluginDto{
        ExecutionInfo: executionInfobody,
        VersionDescription: &versionDescriptionPluginDto,
        Version: "0.0.1",
        Maintainers: &maintainersPluginDto,
        Description: "",
        BusinessTypeDisplayName: "General",
        BusinessType: "Normal",
        DisplayName: "apie_test",
        PluginName: "apie_test",
        RuntimeAttribution: "agent",
        IconUrl: &iconUrlPluginDto,
    }
    response, err := client.UpdatePluginDraft(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
400	Bad request
401	Unauthorized

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Status Code	Description
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.5 Publishing an Extension Draft

Function

This API is used to publish an extension draft.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/publish-draft

Table 4-664 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value contains 32 characters, including only letters and digits. **Default value**: N/A

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Request Parameters

Table 4-665 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-666 Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
display_name	Yes	String	**Definition:** Display name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
version	Yes	String	**Definition:** Version number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_attribution	Yes	String	**Definition:** Extension attribute. **Constraints**: N/A **Value range**: • **custom**: custom extension. • **official**: official extension. **Default value**: N/A
version_attribution	No	String	**Definition:** Version attribute. **Constraints**: N/A **Value range**: - **draft**: draft version. - **formal**: formal version. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-667 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-668 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/publish-draft

{
  "plugin_name" : "testteset",
  "display_name" : "testteset",
  "version" : "0.0.1",
  "plugin_attribution" : "custom"
}
```

Example Responses

Status code: 200

```
true
```

SDK Sample Code

The SDK sample code is as follows.

Java

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

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```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class PublishPluginDraftSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        PublishPluginDraftRequest request = new PublishPluginDraftRequest();
        request.withDomainId("{domain_id}");
        PluginPartQueryDTO body = new PluginPartQueryDTO();
        body.withPluginAttribution("custom");
        body.withVersion("0.0.1");
        body.withDisplayName("testteset");
        body.withPluginName("testteset");
        request.withBody(body);
        try {
            PublishPluginDraftResponse response = client.publishPluginDraft(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = PublishPluginDraftRequest()
        request.domain_id = "{domain_id}"
        request.body = PluginPartQueryDTO(
            plugin_attribution="custom",
            version="0.0.1",
            display_name="testteset",
            plugin_name="testteset"
        )
        response = client.publish_plugin_draft(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.PublishPluginDraftRequest{}
    request.DomainId = "{domain_id}"
    request.Body = &model.PluginPartQueryDto{
        PluginAttribution: "custom",
        Version: "0.0.1",
        DisplayName: "testteset",
        PluginName: "testteset",
    }
    response, err := client.PublishPluginDraft(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.6 Updating Basic Information of an Extension

Function

This API is used to update basic information of an extension.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/update-info

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Table 4-669 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-670 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-671 Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	**Definition:** Extension UUID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
icon_url	No	String	**Definition:** Extension icon URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
runtime_attribution	No	String	**Definition:** Running attribute. **Constraints**: N/A **Value range**: • **agent**: agent-based running. • **agentless**: agentless running. **Default value**: N/A
plugin_name	Yes	String	**Definition:** Unique identifier of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
display_name	Yes	String	**Definition:** Displayed extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
business_type	Yes	String	**Definition**: Extension service type. **Constraints**: N/A **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
business_type_display_name	Yes	String	**Definition:** Displayed service type of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Extension description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_private	No	Integer	**Definition:** Whether the extension is private. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
region	No	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainers	No	String	**Definition:** Maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_composition_type	No	String	**Definition:** Whether a group consists of multiple steps. **Constraints**: N/A **Value range**: • **single**: single-step extension. • **multi**: multi-step extension. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-672 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-673 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/update-info

{
  "plugin_name" : "apie_test",
  "display_name" : "apie_test",
  "business_type" : "Normal",
  "description" : "1111",
  "maintainers" : "",
  "business_type_display_name" : "General",
  "icon_url" : ""
}
```

Example Responses

Status code: 200

```
true
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class UpdatePluginBaseInfoSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdatePluginBaseInfoRequest request = new UpdatePluginBaseInfoRequest();
        request.withDomainId("{domain_id}");
        PluginBasicDTO body = new PluginBasicDTO();
        body.withMaintainers("");
        body.withDescription("1111");
        body.withBusinessTypeDisplayName("General");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withIconUrl("");
        request.withBody(body);
        try {
            UpdatePluginBaseInfoResponse response = client.updatePluginBaseInfo(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
```

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```
import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdatePluginBaseInfoRequest()
        request.domain_id = "{domain_id}"
        request.body = PluginBasicDTO(
            maintainers="",
            description="1111",
            business_type_display_name="General",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            icon_url=""
        )
        response = client.update_plugin_base_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
```

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```
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdatePluginBaseInfoRequest{}
    request.DomainId = "{domain_id}"
    maintainersPluginBasicDto:= ""
    descriptionPluginBasicDto:= "1111"
    iconUrlPluginBasicDto:= ""
    request.Body = &model.PluginBasicDto{
        Maintainers: &maintainersPluginBasicDto,
        Description: &descriptionPluginBasicDto,
        BusinessTypeDisplayName: "General",
        BusinessType: "Normal",
        DisplayName: "apie_test",
        PluginName: "apie_test",
        IconUrl: &iconUrlPluginBasicDto,
    }
    response, err := client.UpdatePluginBaseInfo(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.7.7 Publishing an Extension

Function

This API is used to publish an extension.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/publish-plugin

Table 4-674 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-675 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-676 Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Version. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
publisher_unique_id	Yes	String	**Definition:** Publisher ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-677 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-678 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/publish-plugin

{
  "plugin_name" : "basic_plugin",
  "version" : "0.0.1",
  "publisher_unique_id" : "b9fc8fb6d9194536ac66dd74c2212126"
}
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class PublishPluginSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        PublishPluginRequest request = new PublishPluginRequest();
        request.withDomainId("{domain_id}");
        PublishPluginDTO body = new PublishPluginDTO();
        body.withPublisherUniqueId("b9fc8fb6d9194536ac66dd74c2212126");
        body.withVersion("0.0.1");
        body.withPluginName("basic_plugin");
        request.withBody(body);
        try {
            PublishPluginResponse response = client.publishPlugin(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = PublishPluginRequest()
        request.domain_id = "{domain_id}"
        request.body = PublishPluginDTO(
            publisher_unique_id="b9fc8fb6d9194536ac66dd74c2212126",
            version="0.0.1",
            plugin_name="basic_plugin"
        )
        response = client.publish_plugin(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.PublishPluginRequest{}
    request.DomainId = "{domain_id}"
    request.Body = &model.PublishPluginDto{
        PublisherUniqueId: "b9fc8fb6d9194536ac66dd74c2212126",
        Version: "0.0.1",
        PluginName: "basic_plugin",
    }
    response, err := client.PublishPlugin(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.7.8 Binding an Extension to a Publisher

Function

This API is used to bind an extension to a publisher.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/publish-plugin-bind

Table 4-679 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition:** Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Request Parameters

Table 4-680 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-681 Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Version. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
publisher_unique_id	Yes	String	**Definition:** Publisher ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-682 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-683 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/publish-plugin-bind

{
  "plugin_name" : "basic_plugin",
  "version" : "",
  "publisher_unique_id" : "b9fc8fb6d9194536ac66dd74c2212126"
}
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class PublishPluginBindSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        PublishPluginBindRequest request = new PublishPluginBindRequest();
        request.withDomainId("{domain_id}");
        PublishPluginDTO body = new PublishPluginDTO();
        body.withPublisherUniqueId("b9fc8fb6d9194536ac66dd74c2212126");
        body.withVersion("");
        body.withPluginName("basic_plugin");
        request.withBody(body);
        try {
            PublishPluginBindResponse response = client.publishPluginBind(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = PublishPluginBindRequest()
        request.domain_id = "{domain_id}"
        request.body = PublishPluginDTO(
            publisher_unique_id="b9fc8fb6d9194536ac66dd74c2212126",
            version="",
            plugin_name="basic_plugin"
        )
        response = client.publish_plugin_bind(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.PublishPluginBindRequest{}
    request.DomainId = "{domain_id}"
    request.Body = &model.PublishPluginDto{
        PublisherUniqueId: "b9fc8fb6d9194536ac66dd74c2212126",
        Version: "",
        PluginName: "basic_plugin",
    }
    response, err := client.PublishPluginBind(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.7.9 Updating the Extension Icon

Function

This API is used to update the extension icon.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/common/upload-plugin-icon

Table 4-684 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value contains 32 characters, including only letters and digits. **Default value**: N/A

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Table 4-685 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only spaces, letters, digits, hyphens (-), underscores (_), and periods (.). **Value range**: Max. 50 characters. **Default value**: N/A

Request Parameters

Table 4-686 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-687 FormData parameters

Parameter	Mandatory	Type	Description
upload_file	Yes	File	**Definition:** Icon file. Only PNG, JPEG, and JPG files are supported. Max. file size: 512 KB. 128 × 128 pixels are recommended. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-688 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-689 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/common/upload-plugin-icon?plugin_name=apie_test
```

Example Responses

Status code: 200

```
https://devops.xxx.xxx.cn/devmarket/plugin/new/my-test-pluginBGqH6-470e9155144d40e98503e806a52d96c9-ScreenShot_20250421165905.PNG
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class UploadPluginIconSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UploadPluginIconRequest request = new UploadPluginIconRequest();
        request.withDomainId("{domain_id}");
        try {
            UploadPluginIconResponse response = client.uploadPluginIcon(request);
            System.out.println(response.toString());
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UploadPluginIconRequest()
        request.domain_id = "{domain_id}"
        response = client.upload_plugin_icon(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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
```

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```
    ak := os.Getenv("CLOUD_SDK_AK")
    sk := os.Getenv("CLOUD_SDK_SK")

    auth, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UploadPluginIconRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.UploadPluginIcon(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.7.10 Updating the Publisher Icon

Function

This API is used to update the publisher icon.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/common/upload-publisher-icon

Table 4-690 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-691 Query Parameters

Parameter	Mandatory	Type	Description
publisher_en_name	Yes	String	**Definition:** Publisher name. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-692 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-693 FormData parameters

Parameter	Mandatory	Type	Description
upload_file	Yes	File	**Definition** Icon file. **Constraints** N/A **Range** N/A **Default Value** N/A

Response Parameters

Status code: 200

Table 4-694 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Icon access path. **Value range**: N/A

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Status code: 400

Table 4-695 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/common/upload-publisher-icon
```

Example Responses

Status code: 200

```
https://devops.xxx.xxx.cn/devmarket/plugin/new/my-test-pluginBGqH6-470e9155144d40e98503e806a52d96c9-ScreenShot_20250421165905.PNG
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class UploadPublisherIconSolution {

    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()
```

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```
            .withAk(ak)
            .withSk(sk);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        UploadPublisherIconRequest request = new UploadPublisherIconRequest();
        request.withDomainId("{domain_id}");
        try {
            UploadPublisherIconResponse response = client.uploadPublisherIcon(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UploadPublisherIconRequest()
        request.domain_id = "{domain_id}"
        response = client.upload_publisher_icon(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"
```

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```
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UploadPublisherIconRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.UploadPublisherIcon(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
400	Bad request
401	Unauthorized
403	Forbidden

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Status Code	Description
404	Not Found

Error Codes

See **Error Codes**.

4.7.11 Deleting an Extension Draft

Function

This API is used to delete an extension draft.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v1/{domain_id}/agent-plugin/delete-draft

Table 4-696 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-697 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A
version	Yes	String	**Definition:** Extension version number. **Constraints**: The value must be in the format of *x.xx.xx*, where *x* is a number ranging from 0 to 99. *xx* indicates the number following the dot (.). Each *xx* can be a one-digit or two-digit number. **Value range**: N/A **Default value**: N/A

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Request Parameters

Table 4-698 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-699 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-700 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
DELETE https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/delete-draft?plugin_name=apie_test&version=0.0.3
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeletePluginDraftSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeletePluginDraftRequest request = new DeletePluginDraftRequest();
        request.withDomainId("{domain_id}");
        try {
            DeletePluginDraftResponse response = client.deletePluginDraft(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeletePluginDraftRequest()
        request.domain_id = "{domain_id}"
        response = client.delete_plugin_draft(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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")
```

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```
    sk := os.Getenv("CLOUD_SDK_SK")

    auth, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeletePluginDraftRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.DeletePluginDraft(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.7.12 Querying the Publisher List

Function

This API is used to query the publisher list.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/{domain_id}/publisher/query-all

Table 4-701 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-702 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	String	**Definition:** Offset where the query starts. This parameter must be used together with **limit**. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	String	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: 1–100. **Default value**: N/A
name	No	String	**Definition:** Publisher name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-703 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-704 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition** Query offset, which is the same as the offset of the query parameter. **Range** The **offset** value must be no less than 0.
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Long	**Definition:** Number of records queried this time. **Value range**: N/A
data	Array of **PublisherVO** objects	**Definition:** List of queried data. **Value range**: N/A

Table 4-705 PublisherVO

Parameter	Type	Description
publisher_unique_id	String	**Definition**: Publisher ID. Obtain the ID by calling the API for **querying publisher details**. **Value range**: N/A
user_id	String	**Definition:** User ID. **Value range**: N/A
tenant_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A

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Parameter	Type	Description
description	String	**Definition:** Publisher description. **Value range**: N/A
logo_url	String	**Definition:** Publisher icon URL. **Value range**: N/A
website	String	**Definition:** Web page URL entered during publisher creation. **Value range**: N/A
support_url	String	**Definition:** Help address entered during publisher creation. **Value range**: N/A
source_url	String	**Definition:** Source address entered during publisher creation. **Value range**: N/A
en_name	String	**Definition:** Publisher name (English). **Value range**: N/A
name	String	**Definition:** Publisher name (Chinese). **Value range**: N/A
auth_status	String	**Definition:** Authorization status. **Value range**: N/A

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Parameter	Type	Description
is_delete	Integer	**Definition:** Deleted or not. **Value range**: • **0**: not deleted. • **1**: deleted.
last_update_user_name	String	**Definition:** Name of the user who last updated the information. **Value range**: N/A
last_update_user_id	String	**Definition:** ID of the user who last updated the information. **Value range**: N/A
last_update_time	String	**Definition:** Last update time. **Value range**: N/A

Status code: 400

Table 4-706 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/query-all?
name=&limit=10&offset=0
```

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Example Responses

Status code: 200


```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 3,
  "data" : [ {
    "publisher_unique_id" : "7f1c6b0f12f94b3d9e37eee0b541d3ac",
    "user_id" : "847a5317086c41798469d0868535943a",
    "tenant_id" : "ce8df55870164338a72d7e828a966a2a",
    "description" : "",
    "logo_url" : "",
    "website" : "",
    "support_url" : "aaa@aa.com",
    "source_url" : "",
    "en_name" : "aaa",
    "name" : "aaa",
    "auth_status" : "processing",
    "is_delete" : 0,
    "last_update_user_name" : "devcloud_devcloud_h00485561_01",
    "last_update_user_id" : "847a5317086c41798469d0868535943a",
    "last_update_time" : "2023-11-07T18:54:02.411"
  }, {
    "publisher_unique_id" : "4ea3d6eb6f9d40e681d7b555161dffc2",
    "user_id" : "d61bdd3214a441b6ad630ce8a9c1015a",
    "tenant_id" : "ce8df55870164338a72d7e828a966a2a",
    "description" : "",
    "logo_url" : "",
    "website" : "",
    "support_url" : "fgddf",
    "source_url" : "",
    "en_name" : "dfdg",
    "name" : "fdfg",
    "auth_status" : "processing",
    "is_delete" : 0,
    "last_update_user_name" : "devcloud_devcloud_h00485561_01/SysReservedV3_pipel",
    "last_update_user_id" : "d61bdd3214a441b6ad630ce8a9c1015a",
    "last_update_time" : "2023-10-31T14:18:06.356"
  }, {
    "publisher_unique_id" : "b9fc8fb6d9194536ac66dd74c2212126",
    "user_id" : "847a5317086c41798469d0868535943a",
    "tenant_id" : "ce8df55870164338a72d7e828a966a2a",
    "description" : "Here is the description.",
    "logo_url" : "/api/v1/ce8df55870164338a72d7e828a966a2a/common/get-plugin-icon?object_key=default-
cfb6036d13404631a04a5e7f3a5899b2-kubernetes.png-
ce8df55870164338a72d7e828a966a2a&icon_type=publish",
    "website" : "https://demo.com/rp/team/ptnixbayoz",
    "support_url" :
"55555555555
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListPublisherSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPublisherRequest request = new ListPublisherRequest();
        request.withDomainId("{domain_id}");
        try {
            ListPublisherResponse response = client.listPublisher(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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"]
```

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListPublisherRequest()
        request.domain_id = "{domain_id}"
        response = client.list_publisher(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPublisherRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListPublisher(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
```

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```
    } 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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.13 Querying the Available Publisher

Function

This API is used to query the available publisher.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/{domain_id}/publisher/optional-publisher

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Table 4-707 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-708 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-709 Response body parameters

Parameter	Type	Description
[items]	Array of **PublisherVO** objects	**Parameter description**: List of available publishers.

Table 4-710 PublisherVO

Parameter	Type	Description
publisher_unique_id	String	**Definition**: Publisher ID. Obtain the ID by calling the API for **querying publisher details**. **Value range**: N/A
user_id	String	**Definition:** User ID. **Value range**: N/A
tenant_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
description	String	**Definition:** Publisher description. **Value range**: N/A
logo_url	String	**Definition:** Publisher icon URL. **Value range**: N/A
website	String	**Definition:** Web page URL entered during publisher creation. **Value range**: N/A

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Parameter	Type	Description
support_url	String	**Definition:** Help address entered during publisher creation. **Value range**: N/A
source_url	String	**Definition:** Source address entered during publisher creation. **Value range**: N/A
en_name	String	**Definition:** Publisher name (English). **Value range**: N/A
name	String	**Definition:** Publisher name (Chinese). **Value range**: N/A
auth_status	String	**Definition:** Authorization status. **Value range**: N/A
is_delete	Integer	**Definition:** Deleted or not. **Value range**: • **0**: not deleted. • **1**: deleted.
last_update_user_name	String	**Definition:** Name of the user who last updated the information. **Value range**: N/A
last_update_user_id	String	**Definition:** ID of the user who last updated the information. **Value range**: N/A

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Parameter	Type	Description
last_update_time	String	**Definition:** Last update time. **Value range**: N/A

Status code: 400

Table 4-711 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/optional-publisher
```

Example Responses

Status code: 200

```
[ {
  "publisher_unique_id" : "b9fc8fb6d9194536ac66dd74c2212126",
  "user_id" : "847a5317086c41798469d0868535943a",
  "tenant_id" : "ce8df55870164338a72d7e828a966a2a",
  "description" : "Here is the description.",
  "logo_url" : "/api/v1/ce8df55870164338a72d7e828a966a2a/common/get-plugin-icon?object_key=default-cfb6036d13404631a04a5e7f3a5899b2-kubernetes.png-ce8df55870164338a72d7e828a966a2a&icon_type=publish",
  "website" : "https://demo.com/rp/team/ptnixbayoz",
  "support_url" : "55555555555
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListAvailablePublisherSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListAvailablePublisherRequest request = new ListAvailablePublisherRequest();
        request.withDomainId("{domain_id}");
        try {
            ListAvailablePublisherResponse response = client.listAvailablePublisher(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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```
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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListAvailablePublisherRequest()
        request.domain_id = "{domain_id}"
        response = client.list_available_publisher(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)
```

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```
    request := &model.ListAvailablePublisherRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListAvailablePublisher(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.14 Querying the Available Extension List

Function

This API is used to query available extensions.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/relation/stage-plugins

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Table 4-712 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-713 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-714 Request body parameters

Parameter	Mandatory	Type	Description
use_condition	No	String	**Definition:** Whether the extension can be used by a pipeline or template. **Constraints**: N/A **Value range**: • **pipeline**: The extension can be used by a pipeline. • **template**: The extension can be used by a template. **Default value**: N/A
comp_id	No	String	**Definition:** Microservice ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
comp_name	No	String	**Definition:** Microservice name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
cloud_id	No	String	**Definition:** Region ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
strategy_id	No	String	**Definition:** Policy ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
category	No	String	**Definition:** Pipeline type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
publish_tab	No	String	**Definition:** Whether to release the pipeline. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
platform	No	String	**Definition:** Deployment platform. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
comp_extend_type	No	String	**Definition:** Component type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
deploy_type	No	String	**Definition:** Deployment type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-715 Response body parameters

Parameter	Type	Description
full_stage_plugins_item_list	Array of **full_stage_plugins_item_list** objects	**Definition:** Result set. **Value range**: N/A

Table 4-716 full_stage_plugins_item_list

Parameter	Type	Description
plugins_list	Array of **plugins_list** objects	**Definition:** Extension list. **Value range**: N/A

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Parameter	Type	Description
display_name	String	**Definition:** Displayed extension name. **Value range**: N/A
business_type	String	**Definition**: Extension service type. **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**.
unique_id	String	**Definition:** Extension ID. **Default value**: N/A
conditions	Array of strings	**Definition:** Running conditions. **Value range**: N/A
addables	Array of **addables** objects	**Definition:** Additional attribute. **Value range**: N/A
editable	Boolean	**Definition:** Editable parameter or not. **Value range**: • **true**: editable. • **false**: not editable.
removable	Boolean	**Definition:** Removable or not. **Value range**: • **true**: removable. • **false**: not removable.

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Parameter	Type	Description
cloneable	Boolean	**Definition:** Whether the extension can be cloned. **Value range**: • **true**: The extension can be cloned. • **false**: The extension cannot be cloned.
disabled	Boolean	**Definition:** Disabled or not. **Value range**: • **true**: disabled. • **false**: not disabled.

Table 4-717 plugins_list

Parameter	Type	Description
unique_id	String	**Definition:** ID. **Value range**: N/A
display_name	String	**Definition:** Display name. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
disabled	Boolean	**Definition:** Whether the current extension is disabled for subsequent pipelines. The default value is **false**. **Value range**: • **true**: disabled. • **false**: not disabled.

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Parameter	Type	Description
db_record_name	String	**Definition**: Display name of an extension record. **Value range**: N/A
group_name	String	**Definition:** Name of the group in a pipeline stage. **Value range**: N/A
group_type	String	**Definition:** Group type in a pipeline stage. **Value range**: N/A
plugin_attribution	String	**Definition:** Whether the extension is an official one. **Value range**: N/A
plugin_composition_type	String	**Definition:** Whether a group consists of multiple steps. **Value range**: • **single**: single-step extension. • **multi**: multi-step extension.
runtime_attribution	String	**Definition:** Running attribute. **Value range**: • **agent**: Pipeline agent is required for running. • **agentLess**: No pipeline agent is required.
all_steps	Array of **all_steps** objects	**Definition:** Basic extension list. **Value range**: N/A

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Parameter	Type	Description
description	String	**Definition:** Extension description. **Value range**: N/A
version_attribution	String	**Definition:** Whether it is a draft extension. **Value range**: N/A
icon_url	String	**Definition:** Extension icon URL. **Value range**: N/A
multi_step_editable	Integer	**Definition:** Whether steps can be added. The default value is **1**, indicating that steps can be added. **Value range**: • **0**: The steps cannot be added. • **1**: You can continue to add steps.
location	String	**Definition**: Usage position. **Value range**: N/A
publisher_unique_id	String	**Definition**: Publisher ID. **Value range**: N/A
manifest_version	String	**Definition**: Extension version identifier. **Value range**: N/A
standard	Boolean	**Definition:** Whether the extension is standardized. **Value range**: • **true**: The extension is standardized. • **false**: The extension is not standardized.

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Table 4-718 all_steps

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
display_name	String	**Definition:** Displayed extension name. **Value range**: N/A
version	String	**Definition:** Extension version number. **Value range**: N/A

Table 4-719 addables

Parameter	Type	Description
additionalProp1	Boolean	**Definition:** Additional attribute 1. **Value range**: N/A
additionalProp2	Boolean	**Definition:** Additional attribute 2. **Value range**: N/A
additionalProp3	Boolean	**Definition:** Additional attribute 3. **Value range**: N/A

Status code: 400

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Table 4-720 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/relation/stage-plugins

{
  "use_condition" : "pipeline"
}
```

Example Responses

Status code: 200

```
{
  "full_stage_plugins_item_list" : [ {
    "plugins_list" : [ {
      "unique_id" : "47d48e84-8a98-4ad1-8bc0-59c112a05c5b",
      "display_name" : "CloudBuild",
      "plugin_name" : "official_devcloud_cloudBuild",
      "disabled" : false,
      "group_name" : null,
      "group_type" : null,
      "plugin_attribution" : "official",
      "plugin_composition_type" : "single",
      "runtime_attribution" : "agent",
      "all_steps" : null,
      "description" : "CloudBuild capabilities can be called on the pipeline for building.CloudBuild provides an easy-to-use, cloud-based build platform that supports multiple programming languages, helping you achieve continuous delivery, with shorter delivery period and higher delivery efficiency. With CloudBuild, you can create, configure, and run build tasks with a few clicks. CloudBuild also supports automation of code retrieval, building, and packaging, as well as real-time status monitoring.",
      "version_attribution" : "formal",
      "icon_url" : "/api/v1/*/common/get-plugin-icon?object_key=official_devcloud_cloudBuild-d81c87f9977d4923a546d067a0001914- Build.png-ce8df55870164338a72d7e828a966a2a",
      "multi_step_editable" : 0,
      "standard" : true
    } ],
    "display_name" : "Build",
    "business_type" : "Build",
    "unique_id" : "f44ca008-ae9b-45ee-905d-711429382c71",
    "conditions" : null,
    "addables" : null,
    "editable" : false,
    "removable" : false,
    "cloneable" : false,
    "disabled" : false
  } ]
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListStagePluginsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListStagePluginsRequest request = new ListStagePluginsRequest();
        request.withDomainId("{domain_id}");
        StagePluginsQueryDTO body = new StagePluginsQueryDTO();
        body.withUseCondition("pipeline");
        request.withBody(body);
        try {
            ListStagePluginsResponse response = client.listStagePlugins(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *
```

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```
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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListStagePluginsRequest()
        request.domain_id = "{domain_id}"
        request.body = StagePluginsQueryDTO(
            use_condition="pipeline"
        )
        response = client.list_stage_plugins(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
```

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```
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListStagePluginsRequest{}
    request.DomainId = "{domain_id}"
    useConditionStagePluginsQueryDto:= "pipeline"
    request.Body = &model.StagePluginsQueryDto{
        UseCondition: &useConditionStagePluginsQueryDto,
    }
    response, err := client.ListStagePlugins(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.15 Querying the Basic Extension List

Function

This API is used to query the basic extension list.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/{domain_id}/relation/plugin/single

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Table 4-721 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-722 Query Parameters

Parameter	Mandatory	Type	Description
attribution	Yes	String	**Definition:** Extension attribute. **Constraints**: N/A **Value range**: • official: extension published by the official party. • **published**: extension published by the second party. **Default value**: N/A
offset	Yes	String	**Definition:** Offset where the query starts. This parameter must be used together with **limit**. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	String	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: 1–100. **Default value**: N/A

Request Parameters

Table 4-723 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-724 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts. **Value range**: The **offset** value must be no less than 0.
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Integer	**Definition:** Total number of queried static rules. **Value range**: N/A
data	Array of **data** objects	**Definition:** Result set. **Value range**: N/A

Table 4-725 data

Parameter	Type	Description
name	String	**Definition:** Unique identifier of the extension. **Value range**: N/A
display_name	String	**Definition:** The extension name displayed in the extension platform and pipeline. **Value range**: N/A
plugin_attribution	String	**Definition:** Whether the extension is an official one. **Value range**: N/A

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Parameter	Type	Description
icon_url	String	**Definition:** Icon URL. **Value range**: N/A
description	String	**Definition:** Extension description. **Value range**: N/A
publisher_id	String	**Definition:** Publisher ID. **Value range**: N/A
manifest_version	String	**Definition:** Version. **Value range**: N/A

Status code: 400

Table 4-726 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/relation/plugin/single?limit=10&offset=0&attribution=official
```

Example Responses

Status code: 200

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```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 3,
  "data" : [ {
    "name" : "official_shell_plugin",
    "display_name" : "Executing the Shell",
    "plugin_attribution" : "official",
    "icon_url" : "",
    "description" : "Used to run user shell commands.",
    "publisher_id" : null,
    "manifest_version" : "3"
  }, {
    "name" : "test_plugin_230725",
    "display_name" : "Testing the New Plug-in Process 2307251",
    "plugin_attribution" : "official",
    "icon_url" : "/api/v1/*/common/get-plugin-icon?object_key=test_plugin_230725-
b7b10ddbbae14356ab16d649a43d7776-20210811-153521(WeLinkPC).png-
ce8df55870164338a72d7e828a966a2a&icon_type=plugin",
    "description" : "Here is the description.",
    "publisher_id" : null,
    "manifest_version" : "3"
  }, {
    "name" : "official_git_clone",
    "display_name" : "official_git_clone",
    "plugin_attribution" : "official",
    "icon_url" : "",
    "description" : "Download the code library configured in the pipeline source.",
    "publisher_id" : null,
    "manifest_version" : 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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListBasePluginsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
```

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```
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListBasePluginsRequest request = new ListBasePluginsRequest();
        request.withDomainId("{domain_id}");
        try {
            ListBasePluginsResponse response = client.listBasePlugins(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListBasePluginsRequest()
        request.domain_id = "{domain_id}"
        response = client.list_base_plugins(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"
)
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListBasePluginsRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListBasePlugins(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.7.16 Querying the Available Extensions by Page

Function

This API is used to query the available extensions by page.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/relation/plugins

Table 4-727 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-728 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

Request Parameters

Table 4-729 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-730 Request body parameters

Parameter	Mandatory	Type	Description
use_condition	No	String	**Definition:** Whether the extension can be used by a pipeline or template. **Constraints**: N/A **Value range**: • **pipeline**: The extension can be used by a pipeline. • **template**: The extension can be used by a template. **Default value**: N/A
input_repo_type	No	String	**Definition** Type of the source code repository, such as codehub/gitlab/github/git. **Constraints** N/A **Range** • **codehub** • gitee • github • gitcode • gitlab • **git** **Default Value** N/A
input_source_type	No	String	**Definition:** Single-source or multi-source. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
business_type	No	String	**Definition**: Service type. **Constraints**: N/A **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
regex_name	No	String	**Definition:** Matching name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-731 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts.
limit	Integer	**Definition:** Number of records of each query.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.

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Parameter	Type	Description
data	Array of **data** objects	**Definition:** Result set. **Value range**: N/A

Table 4-732 data

Parameter	Type	Description
business_type	String	**Definition**: Service type. **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**.
display_name	String	**Definition:** Display name. **Value range**: N/A
unique_id	String	**Definition:** ID. **Value range**: N/A
editable	Boolean	**Definition:** Editable parameter or not. **Value range**: • **true**: editable. • **false**: not editable.
removable	Boolean	**Definition:** Removable or not. **Value range**: • **true**: removable. • **false**: not removable.

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Parameter	Type	Description
cloneable	Boolean	**Definition:** Whether the extension can be cloned. **Value range**: • **true**: The extension can be cloned. • **false**: The extension cannot be cloned.
disabled	Boolean	**Definition:** Disabled or not. **Value range**: • **true**: disabled. • **false**: not disabled.
addables	Array of Map<String,Boolean> objects	**Definition**: Whether the object can be added. **Value range**: N/A
conditions	Array of strings	**Definition:** Condition. **Value range**: N/A
plugins_list	Array of **plugins_list** objects	**Definition:** Extension list. **Value range**: N/A

Table 4-733 plugins_list

Parameter	Type	Description
unique_id	String	**Definition:** ID. **Value range**: N/A
display_name	String	**Definition:** Display name. **Value range**: N/A

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Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
disabled	Boolean	**Definition:** Disabled or not. **Value range**: • **true**: disabled. • **false**: not disabled.
group_name	String	**Definition:** Group name. **Value range**: N/A
group_type	String	**Definition:** Group type. **Value range**: N/A
standard	Boolean	**Definition**: Whether the extension is standardized. **Value range**: • **true**: Yes. • **false**: No.
db_record_name	String	**Definition**: Extension record name. **Value range**: N/A
plugin_attribution	String	**Definition:** Extension attribute. **Value range**: N/A
plugin_composition_type	String	**Definition**: Multi-step extension. **Range**: • **single**: single-step extension. • **multi**: multi-step extension.

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Parameter	Type	Description
runtime_attribution	String	**Definition:** Extension running attribute. **Value range**: N/A
all_steps	Array of **all_steps** objects	**Definition:** Basic extension list. **Value range**: N/A
description	String	**Definition:** Extension description. **Value range**: N/A
version_attribution	String	**Definition:** Extension version attribute. **Value range**: N/A
icon_url	String	**Definition:** URL of the extension icon. **Value range**: N/A
multi_step_editable	Integer	**Definition:** The extension can be edited. **Value range**: N/A
location	String	**Definition:** Extension address. **Value range**: N/A
publisher_unique_id	String	**Definition:** Extension publisher ID. **Value range**: N/A
manifest_version	String	**Definition:** Extension version. **Value range**: N/A

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Table 4-734 all_steps

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
display_name	String	**Definition:** Display name. **Value range**: N/A
version	String	**Definition:** Version. **Value range**: N/A

Status code: 400

Table 4-735 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/relation/plugins?limit=4&offset=0

{
  "input_repo_type" : "codehub",
  "input_source_type" : "single",
  "use_condition" : "pipeline",
  "business_type" : "",
  "regex_name" : ""
}
```

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Example Responses

Status code: 200


```
{
  "offset" : 0,
  "limit" : 4,
  "total" : 246,
  "data" : {
    "plugins_list" : [ {
      "unique_id" : "1bfe2cd6b6f44fe3a918768e0391144f",
      "display_name" : "1030 test",
      "plugin_name" : "132132132231",
      "disabled" : false,
      "group_name" : null,
      "group_type" : null,
      "plugin_attribution" : "custom",
      "plugin_composition_type" : "single",
      "runtime_attribution" : "agent",
      "all_steps" : null,
      "description" : "",
      "version_attribution" : "formal",
      "icon_url" : "",
      "multi_step_editable" : 1,
      "location" : "pipeline,service",
      "publisher_unique_id" : null,
      "manifest_version" : "3"
    }, {
      "unique_id" : "84b6d96b240644b8a9c529981759a6d2",
      "display_name" : "Release",
      "plugin_name" : "create_test_2",
      "disabled" : false,
      "group_name" : null,
      "group_type" : null,
      "plugin_attribution" : "custom",
      "plugin_composition_type" : "multi",
      "runtime_attribution" : "agent",
      "all_steps" : null,
      "description" : "test",
      "version_attribution" : "formal",
      "icon_url" : "",
      "multi_step_editable" : 1,
      "location" : "pipeline,service",
      "publisher_unique_id" : null,
      "manifest_version" : "3"
    }, {
      "unique_id" : "816c527f9ba34904b84823718633ecdf",
      "display_name" : "Plug-in Creation Test",
      "plugin_name" : "create_test.plugin_draft",
      "disabled" : false,
      "group_name" : null,
      "group_type" : null,
      "plugin_attribution" : "custom",
      "plugin_composition_type" : "multi",
      "runtime_attribution" : "agent",
      "all_steps" : null,
      "description" : "test",
      "version_attribution" : "draft",
      "icon_url" : "",
      "multi_step_editable" : 1,
      "location" : "pipeline,service",
      "publisher_unique_id" : null,
      "manifest_version" : "3"
    }, {
      "unique_id" : "6e7a5fe5e7214ce6858087357a4bf79b",
      "display_name" : "Plug-in Version Description Test",
      "plugin_name" : "plugin_version_test",
      "disabled" : false,
      "group_name" : null,
```


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```
    "group_type" : null,
    "plugin_attribution" : "custom",
    "plugin_composition_type" : "single",
    "runtime_attribution" : "agent",
    "all_steps" : null,
    "description" : "Plug-in Version Description Test",
    "version_attribution" : "formal",
    "icon_url" : "",
    "multi_step_editable" : 1,
    "location" : "pipeline,service",
    "publisher_unique_id" : null,
    "manifest_version" : "3"
  } ],
  "display_name" : "Check",
  "business_type" : "Gate",
  "unique_id" : "032ad7e2-5e19-4e90-8517-0958deb89e12",
  "conditions" : null,
  "editable" : false,
  "removable" : false,
  "cloneable" : false,
  "disabled" : 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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListBasePluginsNewPostSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListBasePluginsNewPostRequest request = new ListBasePluginsNewPostRequest();
        request.withDomainId("{domain_id}");
        BusinessTypePluginsQueryDTO body = new BusinessTypePluginsQueryDTO();
        body.withRegexName("");
        body.withBusinessType("");
        body.withInputSourceType("single");
        body.withInputRepoType("codehub");
```

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```
        body.withUseCondition("pipeline");
        request.withBody(body);
        try {
            ListBasePluginsNewPostResponse response = client.listBasePluginsNewPost(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListBasePluginsNewPostRequest()
        request.domain_id = "{domain_id}"
        request.body = BusinessTypePluginsQueryDTO(
            regex_name="",
            business_type="",
            input_source_type="single",
            input_repo_type="codehub",
            use_condition="pipeline"
        )
        response = client.list_base_plugins_new_post(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"
```

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```
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListBasePluginsNewPostRequest{}
    request.DomainId = "{domain_id}"
    regexNameBusinessTypePluginsQueryDto:= ""
    businessTypeBusinessTypePluginsQueryDto:= ""
    inputSourceTypeBusinessTypePluginsQueryDto:= "single"
    inputRepoTypeBusinessTypePluginsQueryDto:= "codehub"
    useConditionBusinessTypePluginsQueryDto:= "pipeline"
    request.Body = &model.BusinessTypePluginsQueryDto{
        RegexName: &regexNameBusinessTypePluginsQueryDto,
        BusinessType: &businessTypeBusinessTypePluginsQueryDto,
        InputSourceType: &inputSourceTypeBusinessTypePluginsQueryDto,
        InputRepoType: &inputRepoTypeBusinessTypePluginsQueryDto,
        UseCondition: &useConditionBusinessTypePluginsQueryDto,
    }
    response, err := client.ListBasePluginsNewPost(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.17 Querying the Extension List

Function

This API is used to query the extension list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/query-all

Table 4-736 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-737 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	String	**Definition:** Offset where the query starts. This parameter must be used together with **limit**. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	String	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: 1–100. **Default value**: N/A

Request Parameters

Table 4-738 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-739 Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	**Definition:** Search criteria-extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
regex_name	No	String	**Definition:** Search criteria-match name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainer	No	String	**Definition:** Maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
business_type	No	Array of strings	**Definition:** Service type. **Constraints**: N/A **Value range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
plugin_attribution	No	String	**Definition:** Extension attribute. **Constraints**: N/A **Value range**: • **official**: custom extension. • **custom**: basic extension. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-740 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts.
limit	Integer	**Definition:** Number of records of each query.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.
data	Array of **PluginBasicVO** objects	**Definition:** Extension list. **Value range**: N/A

Table 4-741 PluginBasicVO

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: 1 to 50 characters.

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Parameter	Type	Description
display_name	String	**Definition:** Extension name. **Value range**: N/A
db_record_name	String	**Definition**: Display name of extension record. **Value range**: N/A
version	String	**Definition:** Extension version number. **Value range**: N/A
version_description	String	**Definition:** Extension version number description. **Value range**: N/A
description	String	**Definition:** Extension description. **Value range**: N/A
version_attribution	String	**Definition:** Extension version attribute. **Value range**: - **draft**: draft version. - **formal**: formal version.
unique_id	String	**Definition:** Extension ID. **Value range**: N/A
op_user	String	**Definition:** User who last updated the extension. **Value range**: N/A

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Parameter	Type	Description
op_time	String	**Definition:** Time when the extension was last updated. **Value range**: N/A
plugin_composition_type	String	**Definition:** Whether the extension consists of multiple steps. **Value range**: • **multi**: multi-step extension. • **single**: single-step extension.
plugin_attribution	String	**Definition:** Extension attribute. **Value range**: • **custom**: custom extension. • **official**: official extension. • **published**: extension published by the publisher.
workspace_id	String	**Definition:** Tenant ID, that is, domain ID of a user. **Value range**: The value consists of 32 characters, including only digits and letters.
business_type	String	**Definition**: Extension service type. **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**.
business_type_display_name	String	**Definition:** Displayed service type of the extension. **Value range**: N/A

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Parameter	Type	Description
maintainers	String	**Definition:** Extension maintainer. **Value range**: N/A
icon_url	String	**Definition:** Extension icon address. **Value range**: N/A
refer_count	Integer	**Definition:** Number of times that the extension is referenced by pipelines. **Value range**: N/A
usage_count	Integer	**Definition:** Number of times that the extension is used by pipelines. **Value range**: N/A
runtime_attribution	String	**Definition:** Running attribute. **Value range**: • **agent**: Pipeline agent is required for running. • **agentLess**: No pipeline agent is required.
active	Integer	**Definition:** Whether the extension is activated. **Value range**: • **true**: activated. • **false**: not activated.
version_state	String	**Definition**: Status of the current extension version. **Value range**: N/A

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Parameter	Type	Description
publisher_unique_id	String	**Definition**: Publisher ID. **Value range**: N/A
creator	String	**Definition**: Creator name. **Value range**: N/A
create_time	String	**Definition**: Creation time. **Value range**: N/A
manifest_version	String	**Definition**: Extension version identifier. **Value range**: N/A

Status code: 400

Table 4-742 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/query-all?offset=0&limit=3

{
  "plugin_name" : "",
  "maintainer" : "",
  "business_type" : [ "Build", "Gate", "Deploy", "Test", "Normal" ],
```

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```
  "plugin_attribution" : "custom"
}
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 3,
  "total" : 32,
  "data" : [ {
    "plugin_name" : "basic_plugin",
    "display_name" : "basic_plugin",
    "version" : "",
    "version_description" : null,
    "description" : "",
    "version_attribution" : "init",
    "unique_id" : "83edd75a8be5406496d9fc63ce6c984e",
    "op_user" : "devcloud_devcloud_h00485561_01",
    "op_time" : "1699355741000",
    "plugin_composition_type" : "single",
    "plugin_attribution" : "custom",
    "workspace_id" : "ce8df55870164338a72d7e828a966a2a",
    "business_type" : "Normal",
    "business_type_display_name" : "General",
    "maintainers" : "",
    "icon_url" : "",
    "refer_count" : null,
    "usage_count" : null,
    "runtime_attribution" : "agent",
    "active" : 1
  }, {
    "plugin_name" : "apie_test",
    "display_name" : "apie_test",
    "version" : "0.0.2",
    "version_description" : "",
    "description" : "",
    "version_attribution" : "formal",
    "unique_id" : "8287cdb4908741f889ed307d265677d1",
    "op_user" : "devcloud_devcloud_h00485561_01",
    "op_time" : "1699354371000",
    "plugin_composition_type" : "multi",
    "plugin_attribution" : "custom",
    "workspace_id" : "ce8df55870164338a72d7e828a966a2a",
    "business_type" : "Normal",
    "business_type_display_name" : "General",
    "maintainers" : "",
    "icon_url" : "",
    "refer_count" : 0,
    "usage_count" : null,
    "runtime_attribution" : "agent",
    "active" : 0
  }, {
    "plugin_name" : "asdasadsas",
    "display_name" : "dasddasas",
    "version" : "",
    "version_description" : null,
    "description" : "",
    "version_attribution" : "init",
    "unique_id" : "4fccd9e61c424d1298cc9e5f71e7c9e7",
    "op_user" : "devcloud_devcloud_h00485561_01",
    "op_time" : "1699325617000",
    "plugin_composition_type" : "single",
    "plugin_attribution" : "custom",
    "workspace_id" : "ce8df55870164338a72d7e828a966a2a",
    "business_type" : "Gate",
    "business_type_display_name" : "Check",
    "maintainers" : "",
```

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```
    "icon_url" : "",
    "refer_count" : null,
    "usage_count" : null,
    "runtime_attribution" : "agent",
    "active" : 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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ListPluginsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPluginsRequest request = new ListPluginsRequest();
        request.withDomainId("{domain_id}");
        AgentPluginInfoQueryDTO body = new AgentPluginInfoQueryDTO();
        List<String> listbodyBusinessType = new ArrayList<>();
        listbodyBusinessType.add("Build");
        listbodyBusinessType.add("Gate");
        listbodyBusinessType.add("Deploy");
        listbodyBusinessType.add("Test");
        listbodyBusinessType.add("Normal");
        body.withPluginAttribution("custom");
        body.withBusinessType(listbodyBusinessType);
        body.withMaintainer("");
        body.withPluginName("");
        request.withBody(body);
        try {
            ListPluginsResponse response = client.listPlugins(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
```

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```
        } 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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPluginsRequest()
        request.domain_id = "{domain_id}"
        listBusinessTypebody = [
            "Build",
            "Gate",
            "Deploy",
            "Test",
            "Normal"
        ]
        request.body = AgentPluginInfoQueryDTO(
            plugin_attribution="custom",
            business_type=listBusinessTypebody,
            maintainer="",
            plugin_name=""
        )
        response = client.list_plugins(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
```

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```
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPluginsRequest{}
    request.DomainId = "{domain_id}"
    var listBusinessTypebody = []string{
        "Build",
        "Gate",
        "Deploy",
        "Test",
        "Normal",
    }
    pluginAttributionAgentPluginInfoQueryDto:= "custom"
    maintainerAgentPluginInfoQueryDto:= ""
    pluginNameAgentPluginInfoQueryDto:= ""
    request.Body = &model.AgentPluginInfoQueryDto{
        PluginAttribution: &pluginAttributionAgentPluginInfoQueryDto,
        BusinessType: &listBusinessTypebody,
        Maintainer: &maintainerAgentPluginInfoQueryDto,
        PluginName: &pluginNameAgentPluginInfoQueryDto,
    }
    response, err := client.ListPlugins(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.18 Querying Extension Indicator Configuration

Function

This API is used to query extension indicator configuration.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/plugin-metrics

Table 4-743 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-744 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-745 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of **PluginPartQueryDTOWithoutDisplayName** objects	**Definition:** Query request body. **Constraints**: N/A

Table 4-746 PluginPartQueryDTOWithoutDisplayName

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition** Extension name. **Constraints** N/A **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
display_name	Yes	String	**Definition** Display name. **Constraints** N/A **Range** N/A **Default Value** N/A
version	Yes	String	**Definition** Version number. **Constraints** N/A **Range** N/A **Default Value** N/A
plugin_attribution	Yes	String	**Definition** Extension attribute. **Constraints** N/A **Range** • **custom**: custom extension. • **official**: official extension. **Default Value** N/A
version_attribution	No	String	**Definition** Version attribute. **Constraints** N/A **Range** • **draft**: draft version. • **formal**: formal version. **Default Value** N/A

Response Parameters

Status code: 200

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Table 4-747 Response body parameters

Parameter	Type	Description
[items]	Array of **PluginPartQueryVOListAgentPluginOutputVO** objects	**Parameter description**: List of extension metric configurations.

Table 4-748 PluginPartQueryVOListAgentPluginOutputVO

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
display_name	String	**Definition:** Displayed extension name. **Value range**: N/A
data	Array of **data** objects	**Definition:** Extension output details. **Value range**: N/A

Table 4-749 data

Parameter	Type	Description
unique_id	String	**Definition:** ID. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A

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Parameter	Type	Description
version	String	**Definition:** Extension version number. **Value range**: N/A
workspace_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
output_key	String	**Definition:** Defined extension output name. **Value range**: N/A
output_value	String	**Definition:** Defined extension output content. **Value range**: N/A

Status code: 400

Table 4-750 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/plugin-metrics

[ {
  "plugin_name" : "test_multi_language",
  "version" : "0.0.11",
  "plugin_attribution" : "official"
} ]
```

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Example Responses

Status code: 200

```
[ {
  "plugin_name" : "test_multi_language",
  "display_name" : "",
  "data" : [ {
    "unique_id" : "2df0e830196247f8a10cd598b045fa8a",
    "plugin_name" : "test_multi_language",
    "version" : "0.0.11",
    "workspace_id" : "*",
    "output_key" : "SYSTEM_METRICS_UNIQUE_KEY",
    "output_value" : "[{\"group_name\":\"Chinese \",\"properties\":[{\"key\":\"test\",\"value\":\"111\",\"desc
\": \"Chinese \"}]]"
  } ]
} ]
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ShowPluginMetricsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPluginMetricsRequest request = new ShowPluginMetricsRequest();
        request.withDomainId("{domain_id}");
        List<PluginPartQueryDTO> listbodyBody = new ArrayList<>();
        listbodyBody.add(
            new PluginPartQueryDTO()
                .withPluginName("test_multi_language")
                .withVersion("0.0.11")
                .withPluginAttribution("official")
        );
        request.withBody(listbodyBody);
```

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```
        try {
            ShowPluginMetricsResponse response = client.showPluginMetrics(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPluginMetricsRequest()
        request.domain_id = "{domain_id}"
        listBodybody = [
            PluginPartQueryDTO(
                plugin_name="test_multi_language",
                version="0.0.11",
                plugin_attribution="official"
            )
        ]
        request.body = listBodybody
        response = client.show_plugin_metrics(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"
```

```
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPluginMetricsRequest{}
    request.DomainId = "{domain_id}"
    var listBodybody = []model.PluginPartQueryDto{
        {
            PluginName: "test_multi_language",
            Version: "0.0.11",
            PluginAttribution: "official",
        },
    }
    request.Body = &listBodybody
    response, err := client.ShowPluginMetrics(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.19 Query Extension Input Configuration

Function

This API is used to query extension input configuration.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/plugin-input

Table 4-751 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-752 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-753 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of **PluginPartQueryDTO** objects	**Definition:** Request body for querying the extension input. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-754 PluginPartQueryDTO

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
display_name	Yes	String	**Definition:** Display name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Version number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_attribution	Yes	String	**Definition:** Extension attribute. **Constraints**: N/A **Value range**: • **custom**: custom extension. • **official**: official extension. **Default value**: N/A

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Parameter	Mandatory	Type	Description
version_attribution	No	String	**Definition:** Version attribute. **Constraints**: N/A **Value range**: - **draft**: draft version. - **formal**: formal version. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-755 Response body parameters

Parameter	Type	Description
[items]	Array of **PluginPartQueryVOListAgentPluginInputVO** objects	**Parameter description**: List of extension input configurations.

Table 4-756 PluginPartQueryVOListAgentPluginInputVO

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: 1 to 50 characters.
display_name	String	**Definition:** Displayed extension name. **Value range**: N/A
data	Array of **data** objects	**Definition:** Details of the extension input item. **Value range**: N/A

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Table 4-757 data

Parameter	Type	Description
unique_id	String	**Definition:** ID of the extension input item. **Value range**: N/A
name	String	**Definition:** Name of the extension input item. **Value range**: N/A
default_value	String	**Definition:** Default value of the extension input item. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A
version	String	**Definition:** Extension version. **Value range**: N/A
type	String	**Definition:** Type of the extension input item. **Value range**: N/A
workspace_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.
validation	**ExtensionValidation** object	**Definition:** Validation information of the extension input item. **Value range**: N/A

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Parameter	Type	Description
layout_content	String	**Definition:** Style information of the extension input item. **Value range**: N/A
extend_prop	**ExtensionExtend-Prop** object	**Definition**: Extended information in extension input. **Value range**: N/A
front_data_prop	String	**Definition**: Data used for frontend rendering. **Value range**: N/A
label	String	**Definition**: Tag. **Value range**: N/A
description	String	**Definition**: Description. **Value range**: N/A
required	String	**Definition**: Mandatory or not. **Value range**: N/A

Table 4-758 ExtensionValidation

Parameter	Type	Description
required_message	String	**Definition:** Message displayed when the extension input item is mandatory but is not set. **Value range**: N/A

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Parameter	Type	Description
regex	String	**Definition:** Regular expression used to verify the extension input value. **Value range**: N/A
regex_message	String	**Definition:** Message displayed when the value of an extension input item does not meet the regular expression requirement. **Value range**: N/A
max_length	Integer	**Definition:** Maximum length of an extension input value. **Value range**: N/A
min_length	Integer	**Definition:** Minimum length of an extension input value. **Value range**: N/A

Table 4-759 ExtensionExtendProp

Parameter	Type	Description
api_options	String	**Definition:** API option. **Value range**: N/A
api_type	String	**Definition:** API type. **Value range**: N/A
show_placeholder	String	**Definition**: Placeholder. **Value range**: N/A

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Parameter	Type	Description
options	String	**Definition:** Option. **Value range**: N/A
disabled_conditions	String	**Definition:** Conditions for disabling an extension. **Value range**: N/A
visible_conditions	String	**Definition:** Visible condition. **Value range**: N/A

Status code: 400

Table 4-760 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/plugin-input

[ {
  "plugin_name" : "official_shell_plugin",
  "display_name" : "Executing the Shell",
  "version" : "0.0.2",
  "plugin_attribution" : "official",
  "version_attribution" : "formal"
} ]
```

Example Responses

Status code: 200

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```
[ {
  "plugin_name" : "official_shell_plugin",
  "display_name" : "Executing the Shell",
  "data" : [ {
    "unique_id" : "aac7e571b0d4462ba7962ce1735c4ec3",
    "name" : "OFFICIAL_SHELL_SCRIPT_INPUT",
    "default_value" : "",
    "plugin_name" : "official_shell_plugin",
    "version" : "0.0.2",
    "type" : "shell",
    "workspace_id" : "*",
    "layout_content" : null,
    "front_data_prop" : null,
    "label" : "Shell Commands",
    "description" : "The user enters the shell command here.",
    "required" : "true",
    "extend_prop" : {
      "api_options" : null,
      "api_type" : null,
      "options" : null,
      "disabled_conditions" : null,
      "visible_conditions" : null
    },
    "validation" : {
      "required_message" : null,
      "regex" : null,
      "regex_message" : null,
      "max_length" : null,
      "min_length" : 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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ShowPluginInputsSolution {

    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);
```

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```
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPluginInputsRequest request = new ShowPluginInputsRequest();
        request.withDomainId("{domain_id}");
        List<PluginPartQueryDTO> listbodyBody = new ArrayList<>();
        listbodyBody.add(
            new PluginPartQueryDTO()
                .withPluginName("official_shell_plugin")
                .withDisplayName("Executing the Shell")
                .withVersion("0.0.2")
                .withPluginAttribution("official")
                .withVersionAttribution("formal")
        );
        request.withBody(listbodyBody);
        try {
            ShowPluginInputsResponse response = client.showPluginInputs(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPluginInputsRequest()
        request.domain_id = "{domain_id}"
        listBodybody = [
            PluginPartQueryDTO(
                plugin_name="official_shell_plugin",
                display_name="Executing the Shell",
                version="0.0.2",
                plugin_attribution="official",
                version_attribution="formal"
```

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```
            )
        ]
        request.body = listBodybody
        response = client.show_plugin_inputs(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPluginInputsRequest{}
    request.DomainId = "{domain_id}"
    versionAttributionBody:= "formal"
    var listBodybody = []model.PluginPartQueryDto{
        {
            PluginName: "official_shell_plugin",
            DisplayName: "Executing the Shell",
            Version: "0.0.2",
            PluginAttribution: "official",
            VersionAttribution: &versionAttributionBody,
        },
    }
    request.Body = &listBodybody
    response, err := client.ShowPluginInputs(request)
```

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```
    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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.20 Query Extension Output Configuration

Function

This API is used to query extension output configuration.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/agent-plugin/plugin-output

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Table 4-761 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-762 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-763 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of **PluginPartQueryDTO** objects	**Definition:** Request body for querying the extension output. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-764 PluginPartQueryDTO

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
display_name	Yes	String	**Definition:** Display name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
version	Yes	String	**Definition:** Version number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_attribution	Yes	String	**Definition:** Extension attribute. **Constraints**: N/A **Value range**: • **custom**: custom extension. • **official**: official extension. **Default value**: N/A
version_attribution	No	String	**Definition:** Version attribute. **Constraints**: N/A **Value range**: - **draft**: draft version. - **formal**: formal version. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-765 Response body parameters

Parameter	Type	Description
[items]	Array of **PluginVersionPartQueryVOListAgentPluginOutputVO** objects	**Parameter description**: List of extension output configurations.

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Table 4-766 PluginVersionPartQueryVOListAgentPluginOutputVO

Parameter	Type	Description
plugin_name	String	**Definition**: Extension name. **Value range**: N/A
display_name	String	**Definition**: Extension display name. **Value range**: N/A
version	String	**Definition**: Extension version number. **Value range**: N/A
data	Array of **data** objects	**Definition**: Extension output details. **Value range**: N/A

Table 4-767 data

Parameter	Type	Description
basic_instance_id	String	**Definition**: ID. **Value range**: N/A
workspace_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
plugin_name	String	**Definition**: Extension name. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition**: Display name. **Value range**: N/A
version	String	**Definition**: Extension version number. **Value range**: N/A
type	String	**Definition**: Type. **Value range**: N/A
description	String	**Definition**: Description. **Value range**: N/A
source	String	**Definition**: Source. **Value range**: N/A
prop	**OutputPropVO** object	**Definition**: Extended attributes. **Value range**: N/A

Table 4-768 OutputPropVO

Parameter	Type	Description
group	String	**Definition**: Group name. **Value range**: N/A
default_value	String	**Definition**: Default value. **Value range**: N/A

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Parameter	Type	Description
display_type	String	**Definition**: Display type. **Value range**: N/A

Status code: 400

Table 4-769 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/plugin-output

[ {
  "plugin_name" : "official_shell_plugin",
  "display_name" : "",
  "plugin_attribution" : "official",
  "version_attribution" : "formal"
} ]
```

Example Responses

Status code: 200

```
[ {
  "plugin_name" : "official_shell_plugin",
  "display_name" : "",
  "data" : [ ]
} ]
```

SDK Sample Code

The SDK sample code is as follows.

Java

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

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```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ShowPluginOutputsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPluginOutputsRequest request = new ShowPluginOutputsRequest();
        request.withDomainId("{domain_id}");
        List<PluginPartQueryDTO> listbodyBody = new ArrayList<>();
        listbodyBody.add(
            new PluginPartQueryDTO()
                .withPluginName("official_shell_plugin")
                .withDisplayName("")
                .withPluginAttribution("official")
                .withVersionAttribution("formal")
        );
        request.withBody(listbodyBody);
        try {
            ShowPluginOutputsResponse response = client.showPluginOutputs(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *
```

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```
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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPluginOutputsRequest()
        request.domain_id = "{domain_id}"
        listBodybody = [
            PluginPartQueryDTO(
                plugin_name="official_shell_plugin",
                display_name="",
                plugin_attribution="official",
                version_attribution="formal"
            )
        ]
        request.body = listBodybody
        response = client.show_plugin_outputs(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
```

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```
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPluginOutputsRequest{}
    request.DomainId = "{domain_id}"
    versionAttributionBody:= "formal"
    var listBodybody = []model.PluginPartQueryDto{
        {
            PluginName: "official_shell_plugin",
            DisplayName: "",
            PluginAttribution: "official",
            VersionAttribution: &versionAttributionBody,
        },
    }
    request.Body = &listBodybody
    response, err := client.ShowPluginOutputs(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.21 Querying All Versions of an Extension

Function

This API is used to query all versions of an extension.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v1/{domain_id}/agent-plugin/query

Table 4-770 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-771 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
offset	Yes	String	**Definition:** Offset where the query starts. This parameter must be used together with **limit**. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	String	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: 1–100. **Default value**: N/A

Request Parameters

Table 4-772 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-773 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts.
limit	Integer	**Definition:** Number of records of each query.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.
data	Array of **PluginBasicVO** objects	**Definition:** Extension list. **Value range**: N/A

Table 4-774 PluginBasicVO

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: 1 to 50 characters.
display_name	String	**Definition:** Extension name. **Value range**: N/A
db_record_name	String	**Definition**: Display name of extension record. **Value range**: N/A
version	String	**Definition:** Extension version number. **Value range**: N/A

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Parameter	Type	Description
version_description	String	**Definition:** Extension version number description. **Value range**: N/A
description	String	**Definition:** Extension description. **Value range**: N/A
version_attribution	String	**Definition:** Extension version attribute. **Value range**: - **draft**: draft version. - **formal**: formal version.
unique_id	String	**Definition:** Extension ID. **Value range**: N/A
op_user	String	**Definition:** User who last updated the extension. **Value range**: N/A
op_time	String	**Definition:** Time when the extension was last updated. **Value range**: N/A
plugin_composition_type	String	**Definition:** Whether the extension consists of multiple steps. **Value range**: • **multi**: multi-step extension. • **single**: single-step extension.

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Parameter	Type	Description
plugin_attribution	String	**Definition:** Extension attribute. **Value range**: • **custom**: custom extension. • **official**: official extension. • **published**: extension published by the publisher.
workspace_id	String	**Definition:** Tenant ID, that is, domain ID of a user. **Value range**: The value consists of 32 characters, including only digits and letters.
business_type	String	**Definition**: Extension service type. **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**.
business_type_display_name	String	**Definition:** Displayed service type of the extension. **Value range**: N/A
maintainers	String	**Definition:** Extension maintainer. **Value range**: N/A
icon_url	String	**Definition:** Extension icon address. **Value range**: N/A
refer_count	Integer	**Definition:** Number of times that the extension is referenced by pipelines. **Value range**: N/A

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Parameter	Type	Description
usage_count	Integer	**Definition:** Number of times that the extension is used by pipelines. **Value range**: N/A
runtime_attribution	String	**Definition:** Running attribute. **Value range**: • **agent**: Pipeline agent is required for running. • **agentLess**: No pipeline agent is required.
active	Integer	**Definition:** Whether the extension is activated. **Value range**: • **true**: activated. • **false**: not activated.
version_state	String	**Definition**: Status of the current extension version. **Value range**: N/A
publisher_unique_id	String	**Definition**: Publisher ID. **Value range**: N/A
creator	String	**Definition**: Creator name. **Value range**: N/A
create_time	String	**Definition**: Creation time. **Value range**: N/A
manifest_version	String	**Definition**: Extension version identifier. **Value range**: N/A

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Status code: 400

Table 4-775 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/query?
plugin_name=fff&offset=0&limit=1
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 1,
  "total" : 1,
  "data" : [ {
    "plugin_name" : "fff",
    "display_name" : "hhjk",
    "version" : "0.0.1",
    "version_description" : "",
    "description" : "",
    "version_attribution" : "formal",
    "unique_id" : "d4d18039ac4248b68d38aca463a0c35a",
    "op_user" : "devcloud_devcloud_h00485561_01",
    "op_time" : "1699931374000",
    "plugin_composition_type" : "multi",
    "plugin_attribution" : "custom",
    "workspace_id" : "ce8df55870164338a72d7e828a966a2a",
    "business_type" : "Normal",
    "business_type_display_name" : "General",
    "maintainers" : "[\"847a5317086c41798469d0868535943a\"]",
    "icon_url" : "",
    "refer_count" : null,
    "usage_count" : null,
    "runtime_attribution" : "agent",
    "active" : 1
  } ]
}
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListPLuginVersionSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPLuginVersionRequest request = new ListPLuginVersionRequest();
        request.withDomainId("{domain_id}");
        try {
            ListPLuginVersionResponse response = client.listPLuginVersion(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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```
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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPLuginVersionRequest()
        request.domain_id = "{domain_id}"
        response = client.list_p_lugin_version(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)
```

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```
    request := &model.ListPluginVersionRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListPLuginVersion(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.22 Querying Extension Version Details

Function

This API is used to query extension version details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/{domain_id}/agent-plugin/detail

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Table 4-776 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-777 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A
version	No	String	**Definition:** Extension version number. **Constraints**: The value must be in the format of *x.xx.xx*, where *x* is a number ranging from 0 to 99. *xx* indicates the number following the dot (.). Each *xx* can be a one-digit or two-digit number. **Value range**: N/A **Default value**: N/A

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Request Parameters

Table 4-778 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-779 Response body parameters

Parameter	Type	Description
plugin_name	String	**Definition:** Extension name. **Value range**: 1 to 50 characters.
display_name	String	**Definition:** Displayed extension name. **Value range**: N/A
op_user	String	**Definition:** User who last updated the extension. **Value range**: N/A

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Parameter	Type	Description
op_time	String	**Definition:** Time when the extension was last updated. **Value range**: N/A
version	String	**Definition:** Extension version number. **Value range**: N/A
unique_id	String	**Definition:** Extension ID. **Value range**: The value consists of 32 characters, including digits and letters.
version_description	String	**Definition:** Extension version description. **Value range**: The value consists of 32 characters, including digits and letters.
version_attribution	String	**Definition:** Extension version attribute. **Value range**: - **draft**: draft version. - **formal**: formal version.
plugin_composition_type	String	**Definition:** Whether the extension consists of multiple steps. **Value range**: • **multi**: multi-step extension. • **single**: single-step extension.
plugin_attribution	String	**Definition:** Extension attribute. **Value range**: • **custom**: custom extension. • **official**: official extension. • **published**: extension published by the publisher.

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Parameter	Type	Description
input_info	Array of **input_info** objects	**Definition:** Details of the extension input item. **Value range**: N/A
plugin_execution	**PluginExecution-VO** object	**Definition:** Execution script information of the extension. **Value range**: N/A
runtime_attribution	String	**Definition:** Running attribute. **Value range**: • **agent**: Pipeline agent is required for running. • **agentLess**: No pipeline agent is required.

Table 4-780 input_info

Parameter	Type	Description
unique_id	String	**Definition:** ID of the extension input item. **Value range**: N/A
name	String	**Definition:** Name of the extension input item. **Value range**: N/A
default_value	String	**Definition:** Default value of the extension input item. **Value range**: N/A
plugin_name	String	**Definition:** Extension name. **Value range**: N/A

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Parameter	Type	Description
version	String	**Definition:** Extension version number. **Value range**: N/A
type	String	**Definition:** Type of the extension input item. **Value range**: N/A
workspace_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: The value consists of 32 characters, including digits and letters.
front_data_prop	String	**Definition**: Data attributes displayed on the frontend. **Value range**: N/A
label	String	**Definition**: Label for extension input. **Value range**: N/A
description	String	**Definition**: Description for extension input. **Value range**: N/A
required	String	**Definition**: Mandatory or not. **Value range**: N/A
extend_prop	**ExtensionExtend-Prop** object	**Definition**: Extended attributes. **Value range**: N/A

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Parameter	Type	Description
validation	**ExtensionValidation** object	**Definition:** Validation information of the extension input item. **Value range**: N/A
layout_content	String	**Definition:** Style information of the extension input item. **Value range**: N/A

Table 4-781 ExtensionExtendProp

Parameter	Type	Description
api_options	String	**Definition:** API option. **Value range**: N/A
api_type	String	**Definition:** API type. **Value range**: N/A
show_placeholder	String	**Definition**: Placeholder. **Value range**: N/A
options	String	**Definition:** Option. **Value range**: N/A
disabled_conditions	String	**Definition:** Conditions for disabling an extension. **Value range**: N/A

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Parameter	Type	Description
visible_conditions	String	**Definition:** Visible condition. **Value range**: N/A

Table 4-782 ExtensionValidation

Parameter	Type	Description
required_message	String	**Definition:** Message displayed when the extension input item is mandatory but is not set. **Value range**: N/A
regex	String	**Definition:** Regular expression used to verify the extension input value. **Value range**: N/A
regex_message	String	**Definition:** Message displayed when the value of an extension input item does not meet the regular expression requirement. **Value range**: N/A
max_length	Integer	**Definition:** Maximum length of an extension input value. **Value range**: N/A
min_length	Integer	**Definition:** Minimum length of an extension input value. **Value range**: N/A

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Table 4-783 PluginExecutionVO

Parameter	Type	Description
logic_id	String	**Definition**: Logic ID of the extension execution. **Value range**: N/A
plugin_name	String	**Definition**: Extension name. **Value range**: N/A
version	String	**Definition**: Extension version number. **Value range**: N/A
basic_instance_id	String	**Definition**: Extension instance ID. **Value range**: N/A
workspace_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
execution_type	String	**Definition**: Execution type. **Value range**: • CONTAINER • ZIP • SHELL • COMPOSITE
start_command	String	**Definition**: Execution command. This parameter is returned when **execution_type** is set to **CONTAINER**. **Value range**: N/A

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Parameter	Type	Description
stop_command	String	**Definition**: Stop command. This parameter is returned when **execution_type** is set to **CONTAINER**. **Value range**: N/A
env	String	**Definition**: Image information. This parameter is returned when **execution_type** is set to **CONTAINER**. **Value range**: N/A

Status code: 400

Table 4-784 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/detail?
plugin_name=apie_test&version=0.0.4
```

Example Responses

Status code: 200

```
{
  "plugin_name" : "apie_test",
  "display_name" : "apie_test222",
  "op_user" : "devcloud_devcloud_h00485561_01",
  "op_time" : "1699358542000",
  "version" : "0.0.4",
  "unique_id" : "036d51108a0b48eeb876fb6341ee7615",
  "version_description" : "",
```

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```
  "version_attribution" : "formal",
  "plugin_composition_type" : "multi",
  "plugin_attribution" : "custom",
  "input_info" : [ ],
  "plugin_execution" : { },
  "runtime_attribution" : "agent"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowPluginVersionSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPluginVersionRequest request = new ShowPluginVersionRequest();
        request.withDomainId("{domain_id}");
        try {
            ShowPluginVersionResponse response = client.showPluginVersion(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
```

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```
import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPluginVersionRequest()
        request.domain_id = "{domain_id}"
        response = client.show_plugin_version(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()
```

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```
    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPluginVersionRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ShowPluginVersion(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.23 Querying the Extension Version

Function

This API is used to query the extension version.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/{domain_id}/agent-plugin/all-version

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Table 4-785 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-786 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A
offset	Yes	String	**Definition:** Offset where the query starts. This parameter must be used together with **limit**. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	String	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: 1–100. **Default value**: N/A

Request Parameters

Table 4-787 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-788 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts. **Value range**: The **offset** value must be no less than 0.
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Integer	**Definition:** Total number of queried static rules. **Value range**: N/A
data	Array of strings	**Definition:** Result set. **Value range**: N/A

Status code: 400

Table 4-789 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/all-version?
plugin_name=apie_test&offset=0&limit=999
```

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Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 2,
  "data" : [ "0.0.2", "0.0.1" ]
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListPluginVersionNumberSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPluginVersionNumberRequest request = new ListPluginVersionNumberRequest();
        request.withDomainId("{domain_id}");
        try {
            ListPluginVersionNumberResponse response = client.listPluginVersionNumber(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());
        }
    }
}
```

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Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPluginVersionNumberRequest()
        request.domain_id = "{domain_id}"
        response = client.list_plugin_version_number(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
```

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```
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPluginVersionNumberRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ListPluginVersionNumber(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.24 Deleting a Publisher

Function

This API is used to delete a publisher.

Calling Method

For details, see **Calling APIs**.

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URI

DELETE /v1/{domain_id}/publisher/delete

Table 4-790 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-791 Query Parameters

Parameter	Mandatory	Type	Description
publisher_unique_id	Yes	String	**Definition**: Publisher ID. Obtain the ID by calling the API for **querying publisher details**. **uuid.publisher_unique_id** indicates the publisher ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

Table 4-792 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-793 Response body parameters

Parameter	Type	Description
-	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-794 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
DELETE https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/delete?
publisher_unique_id=3082805e42604ce8a10f0cbd7ca55462
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeletePublisherSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeletePublisherRequest request = new DeletePublisherRequest();
        request.withDomainId("{domain_id}");
        try {
            DeletePublisherResponse response = client.deletePublisher(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = DeletePublisherRequest()
        request.domain_id = "{domain_id}"
        response = client.delete_publisher(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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")
```

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```
    sk := os.Getenv("CLOUD_SDK_SK")

    auth, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeletePublisherRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.DeletePublisher(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.7.25 Querying Publisher Details

Function

This API is used to query publisher details.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/{domain_id}/publisher/detail

Table 4-795 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-796 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-797 Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of strings	**Definition:** Publisher ID list. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-798 Response body parameters

Parameter	Type	Description
publisher_detail_map	Map<String,**PublisherVO**>	**Definition:** Publisher details. **Value range**: N/A

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Table 4-799 PublisherVO

Parameter	Type	Description
publisher_unique_id	String	**Definition**: Publisher ID. Obtain the ID by calling the API for **querying publisher details**. **Value range**: N/A
user_id	String	**Definition:** User ID. **Value range**: N/A
tenant_id	String	**Definition**: Tenant ID, that is, domain ID of a user. **Range**: N/A
description	String	**Definition:** Publisher description. **Value range**: N/A
logo_url	String	**Definition:** Publisher icon URL. **Value range**: N/A
website	String	**Definition:** Web page URL entered during publisher creation. **Value range**: N/A
support_url	String	**Definition:** Help address entered during publisher creation. **Value range**: N/A
source_url	String	**Definition:** Source address entered during publisher creation. **Value range**: N/A

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Parameter	Type	Description
en_name	String	**Definition:** Publisher name (English). **Value range**: N/A
name	String	**Definition:** Publisher name (Chinese). **Value range**: N/A
auth_status	String	**Definition:** Authorization status. **Value range**: N/A
is_delete	Integer	**Definition:** Deleted or not. **Value range**: • **0**: not deleted. • **1**: deleted.
last_update_user_name	String	**Definition:** Name of the user who last updated the information. **Value range**: N/A
last_update_user_id	String	**Definition:** ID of the user who last updated the information. **Value range**: N/A
last_update_time	String	**Definition:** Last update time. **Value range**: N/A

Status code: 400

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Table 4-800 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/detail

[ "b9fc8fb6d9194536ac66dd74c2212126" ]
```

Example Responses

Status code: 200

```
{
  "b9fc8fb6d9194536ac66dd74c2212126" : {
    "publisher_unique_id" : "b9fc8fb6d9194536ac66dd74c2212126",
    "user_id" : "847a5317086c41798469d0868535943a",
    "tenant_id" : "ce8df55870164338a72d7e828a966a2a",
    "description" : "This is the description",
    "logo_url" : "/api/v1/ce8df55870164338a72d7e828a966a2a/common/get-plugin-icon?object_key=default-cfb6036d13404631a04a5e7f3a5899b2-kubernetes.png-ce8df55870164338a72d7e828a966a2a&icon_type=publish",
    "website" : "https://demo.com/rp/team/ptnixbayoz",
    "support_url" : "55555555555
```

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ShowPublisherSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowPublisherRequest request = new ShowPublisherRequest();
        request.withDomainId("{domain_id}");
        List<String> listbodyBody = new ArrayList<>();
        listbodyBody.add("b9fc8fb6d9194536ac66dd74c2212126");
        request.withBody(listbodyBody);
        try {
            ShowPublisherResponse response = client.showPublisher(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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"]
```

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```
credentials = BasicCredentials(ak, sk)

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

try:
    request = ShowPublisherRequest()
    request.domain_id = "{domain_id}"
    listBodybody = [
        "b9fc8fb6d9194536ac66dd74c2212126"
    ]
    request.body = listBodybody
    response = client.show_publisher(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowPublisherRequest{}
    request.DomainId = "{domain_id}"
```

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```
    var listBodybody = []string{
        "b9fc8fb6d9194536ac66dd74c2212126",
    }
    request.Body = &listBodybody
    response, err := client.ShowPublisher(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.26 Creating a Basic Extension

Function

This API is used to create a basic extension.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/{domain_id}/extension/info/add

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Table 4-801 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-802 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-803 Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	**Definition:** Extension UUID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
icon_url	No	String	**Definition:** Extension icon URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
runtime_attribution	No	String	**Definition:** Running attribute. **Constraints**: N/A **Value range**: • **agent**: agent-based running. • **agentless**: agentless running. **Default value**: N/A
plugin_name	Yes	String	**Definition:** Unique identifier of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
display_name	Yes	String	**Definition:** Displayed extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
business_type	Yes	String	**Definition**: Extension service type. **Constraints**: N/A **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
business_type_display_name	Yes	String	**Definition:** Displayed service type of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Extension description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_private	No	Integer	**Definition:** Whether the extension is private. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
region	No	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainers	No	String	**Definition:** Maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_composition_type	No	String	**Definition:** Whether a group consists of multiple steps. **Constraints**: N/A **Value range**: • **single**: single-step extension. • **multi**: multi-step extension. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-804 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-805 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/info/add

{
  "plugin_name" : "basic_plugin",
  "display_name" : "basic_plugin",
  "business_type" : "Normal",
  "description" : "",
  "maintainers" : "",
  "business_type_display_name" : "General",
  "icon_url" : "",
  "plugin_composition_type" : "single"
}
```

Example Responses

Status code: 200

```
true
```

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class CreateBasicPluginSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreateBasicPluginRequest request = new CreateBasicPluginRequest();
        request.withDomainId("{domain_id}");
        PluginBasicDTO body = new PluginBasicDTO();
        body.withPluginCompositionType("single");
        body.withMaintainers("");
        body.withDescription("");
        body.withBusinessTypeDisplayName("General");
        body.withBusinessType("Normal");
        body.withDisplayName("basic_plugin");
        body.withPluginName("basic_plugin");
        body.withIconUrl("");
        request.withBody(body);
        try {
            CreateBasicPluginResponse response = client.createBasicPlugin(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());
        }
    }
}
```

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Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreateBasicPluginRequest()
        request.domain_id = "{domain_id}"
        request.body = PluginBasicDTO(
            plugin_composition_type="single",
            maintainers="",
            description="",
            business_type_display_name="General",
            business_type="Normal",
            display_name="basic_plugin",
            plugin_name="basic_plugin",
            icon_url=""
        )
        response = client.create_basic_plugin(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
```

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```
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreateBasicPluginRequest{}
    request.DomainId = "{domain_id}"
    pluginCompositionTypePluginBasicDto:= "single"
    maintainersPluginBasicDto:= ""
    descriptionPluginBasicDto:= ""
    iconUrlPluginBasicDto:= ""
    request.Body = &model.PluginBasicDto{
        PluginCompositionType: &pluginCompositionTypePluginBasicDto,
        Maintainers: &maintainersPluginBasicDto,
        Description: &descriptionPluginBasicDto,
        BusinessTypeDisplayName: "General",
        BusinessType: "Normal",
        DisplayName: "basic_plugin",
        PluginName: "basic_plugin",
        IconUrl: &iconUrlPluginBasicDto,
    }
    response, err := client.CreateBasicPlugin(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.7.27 Updating a Basic Extension

Function

This API is used to update a basic extension.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/{domain_id}/extension/info/update

Table 4-806 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-807 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-808 Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	**Definition:** Extension UUID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
icon_url	No	String	**Definition:** Extension icon URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
runtime_attribution	No	String	**Definition:** Running attribute. **Constraints**: N/A **Value range**: • **agent**: agent-based running. • **agentless**: agentless running. **Default value**: N/A
plugin_name	Yes	String	**Definition:** Unique identifier of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
display_name	Yes	String	**Definition:** Displayed extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
business_type	Yes	String	**Definition**: Extension service type. **Constraints**: N/A **Range**: • **Build**. • **Gate**. • **Deploy**. • **Test**. • **Normal**. **Default value**: N/A
business_type_display_name	Yes	String	**Definition:** Displayed service type of the extension. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
description	No	String	**Definition:** Extension description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_private	No	Integer	**Definition:** Whether the extension is private. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
region	No	String	**Definition:** Region. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
maintainers	No	String	**Definition:** Maintainer. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
plugin_composition_type	No	String	**Definition:** Whether a group consists of multiple steps. **Constraints**: N/A **Value range**: • **single**: single-step extension. • **multi**: multi-step extension. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-809 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-810 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/info/update

{
  "plugin_name" : "basic_plugin",
  "display_name" : "basic_plugin",
  "business_type" : "Normal",
  "description" : "",
  "maintainers" : "",
  "business_type_display_name" : "General",
  "icon_url" : ""
}
```

Example Responses

Status code: 200

```
true
```

SDK Sample Code

The SDK sample code is as follows.

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class UpdateBasicPluginSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UpdateBasicPluginRequest request = new UpdateBasicPluginRequest();
        request.withDomainId("{domain_id}");
        PluginBasicDTO body = new PluginBasicDTO();
        body.withMaintainers("");
        body.withDescription("");
        body.withBusinessTypeDisplayName("General");
        body.withBusinessType("Normal");
        body.withDisplayName("basic_plugin");
        body.withPluginName("basic_plugin");
        body.withIconUrl("");
        request.withBody(body);
        try {
            UpdateBasicPluginResponse response = client.updateBasicPlugin(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
```

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```
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = UpdateBasicPluginRequest()
        request.domain_id = "{domain_id}"
        request.body = PluginBasicDTO(
            maintainers="",
            description="",
            business_type_display_name="General",
            business_type="Normal",
            display_name="basic_plugin",
            plugin_name="basic_plugin",
            icon_url=""
        )
        response = client.update_basic_plugin(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UpdateBasicPluginRequest{}
    request.DomainId = "{domain_id}"
    maintainersPluginBasicDto:= ""
    descriptionPluginBasicDto:= ""
    iconUrlPluginBasicDto:= ""
    request.Body = &model.PluginBasicDto{
        Maintainers: &maintainersPluginBasicDto,
        Description: &descriptionPluginBasicDto,
        BusinessTypeDisplayName: "General",
        BusinessType: "Normal",
        DisplayName: "basic_plugin",
        PluginName: "basic_plugin",
        IconUrl: &iconUrlPluginBasicDto,
    }
    response, err := client.UpdateBasicPlugin(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.7.28 Deleting a Basic Extension

Function

This API is used to delete a basic extension.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v3/{domain_id}/extension/info/delete

Table 4-811 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-812 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Name of the extension to be deleted. **Constraints**: Enter only letters, digits, hyphens (-), and underscores (_). **Value range**: 1 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	Yes	String	**Definition:** Deletion type. **Constraints**: N/A **Value range**: • all: Delete the entire extension. • single: Delete an extension version. **Default value**: N/A
version	No	String	**Definition:** Version of the extension to be deleted. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-813 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-814 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-815 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
DELETE https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/info/delete?
plugin_name=qwer&type=all
```

Example Responses

Status code: 200

```
true
```

SDK Sample Code

The SDK sample code is as follows.

Java

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

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```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class DeleteBasicPluginSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeleteBasicPluginRequest request = new DeleteBasicPluginRequest();
        request.withDomainId("{domain_id}");
        try {
            DeleteBasicPluginResponse response = client.deleteBasicPlugin(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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)
```

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

    try:
        request = DeleteBasicPluginRequest()
        request.domain_id = "{domain_id}"
        response = client.delete_basic_plugin(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

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

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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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.29 Uploading a Basic Extension

Function

This API is used to upload a basic extension.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/{domain_id}/extension/upload

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Table 4-816 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-817 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
business_type	Yes	String	**Definition:** Service type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

Table 4-818 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-819 FormData parameters

Parameter	Mandatory	Type	Description
upload_file	Yes	File	**Definition:** Extension file. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-820 Response body parameters

Parameter	Type	Description
-	String	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Status code: 400

Table 4-821 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/upload?
plugin_name=test_basic&business_type=Normal
```

Example Responses

Status code: 200

```
true
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
```

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


public class UploadBasicPluginSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        UploadBasicPluginRequest request = new UploadBasicPluginRequest();
        request.withDomainId("{domain_id}");
        try {
            UploadBasicPluginResponse response = client.uploadBasicPlugin(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
```

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```
        request = UploadBasicPluginRequest()
        request.domain_id = "{domain_id}"
        response = client.upload_basic_plugin(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.UploadBasicPluginRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.UploadBasicPlugin(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.

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Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.7.30 Querying the Basic Extension Details

Function

This API is used to query the basic extension details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/{domain_id}/extension/detail

Table 4-822 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-823 Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	Yes	String	**Definition:** Extension version. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-824 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-825 Response body parameters

Parameter	Type	Description
type	String	**Definition:** Extension type. **Value range**: N/A
name	String	**Definition:** Extension name. **Value range**: N/A
friendly_name	String	**Definition:** Displayed extension name. **Value range**: N/A
category	String	**Definition:** Service type. **Value range**: N/A
description	String	**Definition:** Extension description. **Value range**: N/A
version	String	**Definition:** Extension version. **Value range**: N/A
version_description	String	**Definition:** Extension version description. **Value range**: N/A
inputs	Array of **inputs** objects	**Definition:** Input information. **Value range**: N/A

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Parameter	Type	Description
data_source_bindings	Array of **data_source_bindings** objects	**Definition**: Data source information. **Value range**: N/A
outputs	Array of **outputs** objects	**Definition:** Output information. **Value range**: N/A
execution	**execution** object	**Definition:** Extension type. **Value range**: N/A

Table 4-826 inputs

Parameter	Type	Description
name	String	**Definition:** Name. **Value range**: N/A
type	String	**Definition:** Type. **Value range**: N/A
label	String	**Definition:** Label. **Value range**: N/A
description	String	**Definition:** Description. **Value range**: N/A
default_value	String	**Definition:** Default value. **Value range**: N/A

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Parameter	Type	Description
required	Boolean	**Definition:** Mandatory or not. **Value range**: • **true**: mandatory. • **false**: optional.
extend_prop	**ExtensionExtendProp** object	**Definition:** Extended attributes. **Value range**: N/A
validation	**ExtensionValidation** object	**Definition:** Verification details. **Value range**: N/A

Table 4-827 ExtensionExtendProp

Parameter	Type	Description
api_options	String	**Definition:** API option. **Value range**: N/A
api_type	String	**Definition:** API type. **Value range**: N/A
show_placeholder	String	**Definition**: Placeholder. **Value range**: N/A
options	String	**Definition:** Option. **Value range**: N/A

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Parameter	Type	Description
disabled_conditions	String	**Definition:** Conditions for disabling an extension. **Value range**: N/A
visible_conditions	String	**Definition:** Visible condition. **Value range**: N/A

Table 4-828 ExtensionValidation

Parameter	Type	Description
required_message	String	**Definition:** Message displayed when the extension input item is mandatory but is not set. **Value range**: N/A
regex	String	**Definition:** Regular expression used to verify the extension input value. **Value range**: N/A
regex_message	String	**Definition:** Message displayed when the value of an extension input item does not meet the regular expression requirement. **Value range**: N/A
max_length	Integer	**Definition:** Maximum length of an extension input value. **Value range**: N/A
min_length	Integer	**Definition:** Minimum length of an extension input value. **Value range**: N/A

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Table 4-829 data_source_bindings

Parameter	Type	Description
target	String	**Definition**: Destination address. **Value range**: N/A
endpointId	String	**Definition**: Endpoint ID. **Value range**: N/A
data_source_name	String	**Definition**: Name of the bound data source. **Value range**: N/A

Table 4-830 outputs

Parameter	Type	Description
name	String	**Definition:** Name. **Value range**: N/A
type	String	**Definition:** Type. **Value range**: N/A
description	String	**Definition:** Description. **Value range**: N/A
prop	Map<String,String>	**Definition**: Extended information. **Value range**: N/A

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Table 4-831 execution

Parameter	Type	Description
target	String	**Definition** Location of the execution file. **Range** N/A
type	String	**Definition:** Extension type. **Value range**: N/A
sha256	String	**Definition:** SHA-256. **Value range**: N/A

Status code: 400

Table 4-832 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/detail?plugin_name=basic-CTS&version=2.3.5
```

Example Responses

Status code: 200

```
{
  "type" : "Task",
  "name" : "basic-CTS",
  "category" : "Test",
```

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```
 "description" : "",
 "version" : "2.3.5",
 "inputs" : [ {
   "name" : "SHELL_PLUGIN",
   "type" : "input",
   "label" : "Single-line Text Box",
   "description" : "Sample String",
   "required" : true,
   "validation" : {
     "required_message" : null,
     "regex" : null,
     "regex_message" : null,
     "max_length" : null,
     "min_length" : null
   },
   "default_value" : "",
   "extend_prop" : {
     "api_options" : null,
     "api_type" : null,
     "options" : null,
     "disabled_conditions" : null,
     "visible_conditions" : null
   }
 } ],
 "outputs" : [ {
   "name" : "problem",
   "type" : "output",
   "description" : "Number of recorded problems"
 } ],
 "execution" : {
   "type" : "scripts/test.sh",
   "target" : "Shell",
   "sha256" : "4fa52dab3fb72847e4da5f00295a96fce8892f301d384efe9b776aa1731ba8f0"
 },
 "friendly_name" : "Basic plug-in - CTS2",
 "version_description" : "Running Shell Commands"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowBasicPluginSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowBasicPluginRequest request = new ShowBasicPluginRequest();
        request.withDomainId("{domain_id}");
        try {
            ShowBasicPluginResponse response = client.showBasicPlugin(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowBasicPluginRequest()
        request.domain_id = "{domain_id}"
        response = client.show_basic_plugin(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowBasicPluginRequest{}
    request.DomainId = "{domain_id}"
    response, err := client.ShowBasicPlugin(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
400	Bad request
401	Unauthorized
403	Forbidden

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Status Code	Description
404	Not Found

Error Codes

See **Error Codes**.

4.8 Endpoint Management

4.8.1 Querying the Extensions

Function

This API is used to query the extensions.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/extensions/modules

Table 4-833 Query Parameters

Parameter	Mandatory	Type	Description
project_uuid	No	String	Project UUID.
region_name	No	String	Region name.
name	No	String	Name.
productLine	No	String	Product line.
tags	No	Array of strings	Tag.
offset	No	Integer	Page number.
limit	No	Integer	Number of records on each page.
locations	Yes	Array of strings	Endpoint.

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-834 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	Error information.
result	Map<String,**ExtensionModuleList**>	Information about the extension modules.
status	String	Status value.

Table 4-835 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Table 4-836 ExtensionModuleList

Parameter	Type	Description
data	Array of **ExtensionModule** objects	Module information.
total	Integer	Modules length.

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Table 4-837 ExtensionModule

Parameter	Type	Description
base_url	String	Basic URL.
description	String	Description.
id	Integer	id
location	String	Endpoint.
module_id	String	Module ID.
name	String	Name.
properties	Object	Attribute information.
publisher	String	Publisher.
type	String	Type.
version	String	Version.
tags	Array of strings	Tag.
url_relative	String	Extension URL.
properties_list	Array of objects	Attributes of versions.
manifest_version	String	Summary version.

Status code: 400

Table 4-838 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/extensions/modules?
locations=devcloud.open.endpoint&project_uuid=d8a80c69b08d471d8c438bda6fc7d74e&region_name=cn-southwest-275
```

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Example Responses

Status code: 200

```
{
  "status" : "success",
  "error" : null,
  "result" : {
    "test" : {
      "data" : [ ],
      "total" : 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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListModulesDetailSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListModulesDetailRequest request = new ListModulesDetailRequest();
        try {
            ListModulesDetailResponse response = client.listModulesDetail(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());
        }
```

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```
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListModulesDetailRequest()
        response = client.list_modules_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListModulesDetailRequest{}
    response, err := client.ListModulesDetail(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.8.2 Querying Extensions V1

Function

This API is used to query APIs of the old version for extensions.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v1/extensions/modules

Table 4-839 Query Parameters

Parameter	Mandatory	Type	Description
projectid	No	String	Project UUID.
module_ids	No	Array of strings	Module ID.
region	No	String	Region name.
name	No	String	Module name (for search).
tags	No	Array of strings	Tag.
offset	No	Integer	Page number.
limit	No	Integer	Number of records on each page.
locations	No	Array of strings	Endpoint.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-840 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	Error information.
result	Map<String,Array<**ExtensionModule**>>	Module information.
status	String	Status value.

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Table 4-841 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Table 4-842 ExtensionModule

Parameter	Type	Description
base_url	String	Basic URL.
description	String	Description.
id	Integer	id
location	String	Endpoint.
module_id	String	Module ID.
name	String	Name.
properties	Object	Attribute information.
publisher	String	Publisher.
type	String	Type.
version	String	Version.
tags	Array of strings	Tag.
url_relative	String	Extension URL.
properties_list	Array of objects	Attributes of versions.
manifest_version	String	Summary version.

Status code: 400

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Table 4-843 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

None

Example Responses

Status code: 200

```
{
  "status" : "success",
  "error" : null,
  "result" : ""
}
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.8.3 Querying the Endpoints

Function

This API is used to query the endpoints.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/serviceconnection/endpoints

Table 4-844 Query Parameters

Parameter	Mandatory	Type	Description
project_uuid	Yes	String	Project UUID.
region_name	Yes	String	Region name.
module_id	No	String	Module ID.
offset	No	Integer	Page number.
limit	No	Integer	Number of records on each page.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-845 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	Error information.
result	**EndpointList** object	Endpoint list information.
status	String	Status value.

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Table 4-846 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Table 4-847 EndpointList

Parameter	Type	Description
endpoints	Array of **Endpoint** objects	Endpoint information.
total	Integer	Quantity.

Table 4-848 Endpoint

Parameter	Type	Description
created_by	**EndpointCreator-Info** object	Endpoint information.
data	Object	Endpoint data.
module_id	String	Module ID.
name	String	Module name (for search).
project_uuid	String	Project UUID.
region_name	String	Region name.
url	String	URL.
uuid	String	Endpoint ID.

Table 4-849 EndpointCreatorInfo

Parameter	Type	Description
user_id	String	User ID.

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Parameter	Type	Description
username	String	Username.

Status code: 400

Table 4-850 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

None

Example Responses

Status code: 200

```
{
  "status" : "success",
  "error" : null,
  "result" : {
    "endpoints" : [ {
      "uuid" : "c6bbed0feaea4c6aa24da7fd86b886e8",
      "url" : "https://test.com",
      "name" : "test",
      "project_uuid" : "6cb920b7932948a3ade7ec1d712494eb",
      "region_name" : "regionName",
      "data" : {
        "key1" : "value1",
        "key2" : "value2"
      },
      "created_by" : {
        "username" : "user_01",
        "user_id" : "user_id"
      }
    } ]
  }
}
```

SDK Sample Code

The SDK sample code is as follows.

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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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListEndpointsDetailsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListEndpointsDetailsRequest request = new ListEndpointsDetailsRequest();
        try {
            ListEndpointsDetailsResponse response = client.listEndpointsDetails(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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"]
```

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```
    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListEndpointsDetailsRequest()
        response = client.list_endpoints_details(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

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

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```
  }
}
```

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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.8.4 Creating a Service Endpoint

Function

This API is used to create a service endpoint.

Calling Method

For details, see **Calling APIs**.

URI

POST /v1/serviceconnection/endpoints

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Request Parameters

Table 4-851 Request body parameters

Parameter	Mandatory	Type	Description
url	Yes	String	**Definition:** URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name	Yes	String	**Definition:** Endpoint name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
project_uuid	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
region_name	Yes	String	**Definition:** Region name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
module_id	Yes	String	**Definition:** Module ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
authorization	Yes	**EndpointAuthorizationBody** object	**Definition:** Permission information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
data	No	Object	**Definition:** Endpoint data structure. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-852 EndpointAuthorizationBody

Parameter	Mandatory	Type	Description
parameters	Yes	Object	**Definition:** Authentication parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
scheme	Yes	String	**Definition:** Authentication mode. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-853 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	**Definition**: Error information. If no error is reported, the error field is not returned. **Range**: N/A
result	Object	**Definition**: Returned result. **Range**: N/A
status	String	**Definition:** Status value. **Value range**: N/A

Table 4-854 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A

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Parameter	Type	Description
message	String	**Definition:** Error message. **Value range**: N/A

Status code: 400

Table 4-855 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
{
  "url" : "https://test.com",
  "name" : "test",
  "project_uuid" : "6cb920b7932948a3ade7ec1d712494eb",
  "region_name" : "regionName",
  "authorization" : {
    "parameters" : {
      "username" : "username",
      "state" : "redirectURI",
      "password" : "password"
    },
    "scheme" : "endpoint-auth-scheme-basic"
  },
  "data" : {
    "key1" : "value1",
    "key2" : "value2"
  },
  "module_id" : "devcloud2018.codesource-authenticate-generic.oauth02"
}
```

Example Responses

Status code: 200

```
{
  "status" : "success",
  "error" : null,
  "result" : {
```

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```
  "uuid" : "c6bbed0feaea4c6aa24da7fd86b886e8",
  "url" : "https://test.com",
  "name" : "test",
  "projectUuid" : "6cb920b7932948a3ade7ec1d712494eb",
  "regionName" : "regionName",
  "authorization" : {
    "parameters" : {
      "username" : "username",
      "state" : "redirectURI",
      "password" : "password"
    },
    "scheme" : "endpoint-auth-scheme-basic"
  },
  "data" : {
    "key1" : "value1",
    "key2" : "value2"
  },
  "moduleId" : "devcloud2018.codesource-authenticate-generic.oauth02",
  "created_by" : {
    "username" : "user_01",
    "user_id" : "user_id"
  }
 }
}
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.8.5 Querying Extension Details

Function

This API is used to query extension details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/extensions/modules/{module_id}

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Table 4-856 Path Parameters

Parameter	Mandatory	Type	Description
module_id	Yes	String	Module ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-857 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	Error Information.
result	String	Detailed module information.
status	String	Status value.

Table 4-858 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Example Requests

None

Example Responses

Status code: 200

```
{
  "result" : [ {
    "id" : 0,
```

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```
    "type" : "InnerEndpoint",
    "location" : "devcloud.open.innerendpoint",
    "properties" : [ ],
    "properties_list" : null,
    "manifest_version" : "1",
    "base_url" : "test",
    "module_id" : "devcloud.cce_interfaces",
    "description" : "description",
    "publisher" : "publisher",
    "name" : "name",
    "version" : "1.0.0",
    "tags" : [ ],
    "url_relative" : "devcloud/cce_interfaces/1.0.0"
  } ],
  "status" : "success",
  "error" : null
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.8.6 Obtaining the OAuth2 Authentication URL

Function

This API is used to obtain the OAuth2 authentication URL.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/serviceconnection/oauth/authorization_url

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Table 4-859 Query Parameters

Parameter	Mandatory	Type	Description
module_id	Yes	String	**Definition:** Module ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
redirect_uri	No	String	**Definition:** Redirect URI. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-860 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	**Definition**: Error information. If no error is reported, the error field is not returned. **Range**: N/A
result	Object	**Definition**: Returned result. **Range**: N/A

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Parameter	Type	Description
status	String	**Definition:** Status value. **Value range**: N/A

Table 4-861 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Example Requests

None

Example Responses

Status code: 200

```
{
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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4.8.7 Updating a Service Endpoint

Function

This API is used to update a service endpoint.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v1/serviceconnection/endpoints/{uuid}

Table 4-862 Path Parameters

Parameter	Mandatory	Type	Description
uuid	Yes	String	**Definition:** Endpoint UUID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-863 Request body parameters

Parameter	Mandatory	Type	Description
url	No	String	**Definition:** Endpoint URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
name	No	String	**Definition:** Endpoint name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
authorization	No	**EndpointAuthorizationBody** object	**Definition:** Permission information. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
data	No	Object	**Definition:** Endpoint details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
region_name	No	String	**Definition:** Region name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_uuid	No	String	**Definition**: Project ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
module_id	No	String	**Definition**: Endpoint type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-864 EndpointAuthorizationBody

Parameter	Mandatory	Type	Description
parameters	Yes	Object	**Definition:** Authentication parameter. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
scheme	Yes	String	**Definition:** Authentication mode. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-865 Response body parameters

Parameter	Type	Description
result	**result** object	**Definition**: Returned result. **Value range**: N/A
status	String	**Definition**: Returned status. **Value range**: N/A
error	String	**Definition**: Returned error information. **Value range**: N/A

Table 4-866 result

Parameter	Type	Description
authorization	**authorization** object	**Definition**: Authentication information. **Value range**: N/A
uuid	String	**Definition**: Unique ID. **Value range**: N/A
url	String	**Definition**: URL for downloading the code repository. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition**: Name. **Value range**: N/A
project_uuid	String	**Definition**: Project ID. **Value range**: N/A
region_name	String	**Definition**: Region name. **Value range**: N/A
data	Object	**Definition**: Data details. **Value range**: N/A
module_id	String	**Definition**: Template ID. **Value range**: N/A
created_by	**created_by** object	**Definition**: Creator information. **Value range**: N/A

Table 4-867 authorization

Parameter	Type	Description
parameters	**parameters** object	**Definition**: Parameter. **Value range**: N/A
scheme	String	**Definition**: Plan. **Value range**: N/A

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Table 4-868 parameters

Parameter	Type	Description
username	String	**Definition**: Username. **Value range**: N/A
code	String	**Definition**: Code content. **Value range**: N/A
state	String	**Definition**: Status. **Value range**: N/A
redirectURI	String	**Definition**: Redirection URI. **Value range**: N/A
password	String	**Definition**: Password. **Value range**: N/A

Table 4-869 created_by

Parameter	Type	Description
username	String	**Definition**: Creator name. **Value range**: N/A
user_id	String	**Definition**: Creator ID. **Value range**: N/A

Status code: 201

Created

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Example Requests

```
PUT https://{endpoint}/v1/serviceconnection/endpoints/d09e73b6c61e439fbe2ec93e0b29185b

{
  "project_uuid" : "93b9fc6ffc6a4edc9ab049c1f0dbec4b",
  "region_name" : "region",
  "authorization" : {
    "parameters" : {
      "username" : "username",
      "code" : null,
      "state" : null,
      "redirectURI" : null,
      "password" : "password"
    },
    "scheme" : "endpoint-auth-scheme-basic"
  },
  "data" : { },
  "name" : "ddddd",
  "url" : "https://example.com/maven.git",
  "module_id" : "devcloud2018.codesource-authenticate-generic.oauth02"
}
```

Example Responses

Status code: 200

```
{
  "result" : {
    "authorization" : {
      "parameters" : {
        "username" : "username",
        "code" : null,
        "state" : null,
        "redirectURI" : null,
        "password" : "password"
      },
      "scheme" : "endpoint-auth-scheme-basic"
    },
    "uuid" : "d09e73b6c61e439fbe2ec93e0b29185b",
    "url" : "https://example.com/maven.git",
    "name" : "ddddd",
    "project_uuid" : "93b9fc6ffc6a4edc9ab049c1f0dbec4b",
    "region_name" : "region",
    "data" : { },
    "module_id" : "devcloud2018.codesource-authenticate-generic.oauth02",
    "created_by" : {
      "username" : "username",
      "user_id" : "05d8ca972f114765a8984795a8aa4d41"
    }
  },
  "status" : "success",
  "error" : null
}
```

Status Codes

Status Code	Description
200	OK
201	Created
401	Unauthorized

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Status Code	Description
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.8.8 Querying an Endpoint

Function

This API is used to query an endpoint.

Calling Method

For details, see **Calling APIs**.

URI

GET /v1/serviceconnection/endpoints/{uuid}

Table 4-870 Path Parameters

Parameter	Mandatory	Type	Description
uuid	Yes	String	**Definition:** Endpoint UUID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-871 Response body parameters

Parameter	Type	Description
result	**result** object	**Definition**: Returned result. **Value range**: N/A
status	String	**Definition**: Returned status. **Value range**: N/A
error	String	**Definition**: Returned error information. **Value range**: N/A

Table 4-872 result

Parameter	Type	Description
authorization	**authorization** object	**Definition**: Authentication information. **Value range**: N/A
uuid	String	**Definition**: Unique ID. **Value range**: N/A
url	String	**Definition**: URL for downloading the code repository. **Value range**: N/A
name	String	**Definition**: Name. **Value range**: N/A

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Parameter	Type	Description
project_uuid	String	**Definition**: Project ID. **Value range**: N/A
region_name	String	**Definition**: Region name. **Value range**: N/A
data	Object	**Definition**: Data details. **Value range**: N/A
module_id	String	**Definition**: Template ID. **Value range**: N/A
created_by	**created_by** object	**Definition**: Creator information. **Value range**: N/A

Table 4-873 authorization

Parameter	Type	Description
parameters	**parameters** object	**Definition**: Parameter. **Value range**: N/A
scheme	String	**Definition**: Plan. **Value range**: N/A

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Table 4-874 parameters

Parameter	Type	Description
username	String	**Definition**: Username. **Value range**: N/A
code	String	**Definition**: Code content. **Value range**: N/A
state	String	**Definition**: Status. **Value range**: N/A
redirectURI	String	**Definition**: Redirection URI. **Value range**: N/A
password	String	**Definition**: Password. **Value range**: N/A

Table 4-875 created_by

Parameter	Type	Description
username	String	**Definition**: Creator name. **Value range**: N/A
user_id	String	**Definition**: Creator ID. **Value range**: N/A

Status code: 201

Created

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Example Requests

None

Example Responses

Status code: 200


```
{
  "result" : {
    "authorization" : {
      "parameters" : {
        "username" : "user1",
        "code" : null,
        "state" : null,
        "redirectURI" : null,
        "password" : "password"
      },
      "scheme" : "endpoint-auth-scheme-basic"
    },
    "uuid" : "d09e73b6c61e439fbe2ec93e0b29185b",
    "url" : "https://example.com/maven.git",
    "name" : "ddddd",
    "project_uuid" : "93b9fc6ffc6a4edc9ab049c1f0dbec4b",
    "region_name" : "region",
    "data" : { },
    "module_id" : "devcloud2018.codesource-authenticate-generic.oauth02",
    "created_by" : {
      "username" : "user1",
      "user_id" : "05d8ca972f114765a8984795a8aa4d41"
    }
  },
  "status" : "success",
  "error" : null
}
```


Status Codes

Status Code	Description
200	OK
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.8.9 Deleting an Endpoint

Function

This API is used to delete an endpoint.

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Calling Method

For details, see **Calling APIs**.

URI

DELETE /v1/serviceconnection/endpoints/{uuid}

Table 4-876 Path Parameters

Parameter	Mandatory	Type	Description
uuid	Yes	String	**Definition:** Endpoint UUID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-877 Query Parameters

Parameter	Mandatory	Type	Description
project_uuid	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-878 Response body parameters

Parameter	Type	Description
error	**ErrorInfo** object	**Definition**: Error information. If no error is reported, the error field is not returned. **Range**: N/A
result	Object	**Definition**: Returned result. **Range**: N/A
status	String	**Definition:** Status value. **Value range**: N/A

Table 4-879 ErrorInfo

Parameter	Type	Description
code	String	**Definition:** Error code. **Value range**: N/A
message	String	**Definition:** Error message. **Value range**: N/A

Example Requests

None

Example Responses

None

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.9 Pipeline Tag Management

4.9.1 Creating a Pipeline Tag

Function

This API is used to create a pipeline tag.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-tag/create

Table 4-880 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-881 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Tag name.
color	Yes	String	Tag color.

Response Parameters

Status code: 200

Table 4-882 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/db8d07265e24426598b3eb03a7818972/api/pipeline-tag/create

{
  "name" : "2323",
  "color" : "#0b81f6"
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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;
```

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```
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class CreatePipelineTagSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePipelineTagRequest request = new CreatePipelineTagRequest();
        request.withProjectId("{project_id}");
        CreateTagReq body = new CreateTagReq();
        body.withColor("#0b81f6");
        body.withName("2323");
        request.withBody(body);
        try {
            CreatePipelineTagResponse response = client.createPipelineTag(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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)
```

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

    try:
        request = CreatePipelineTagRequest()
        request.project_id = "{project_id}"
        request.body = CreateTagReq(
            color="#0b81f6",
            name="2323"
        )
        response = client.create_pipeline_tag(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePipelineTagRequest{}
    request.ProjectId = "{project_id}"
    request.Body = &model.CreateTagReq{
        Color: "#0b81f6",
        Name: "2323",
```

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```
    }
    response, err := client.CreatePipelineTag(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	Response body.

Error Codes

See **Error Codes**.

4.9.2 Querying the Pipeline Tags

Function

This API is used to query the pipeline tags.

Calling Method

For details, see **Calling APIs**.

URI

GET /v5/{project_id}/api/pipeline-tag/list

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Table 4-883 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-884 Query Parameters

Parameter	Mandatory	Type	Description
proj_id	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-885 Response body parameters

Parameter	Type	Description
[items]	Array of **PipelineTagResp** objects	**Definition:** Tag response body. **Value range**: N/A

Table 4-886 PipelineTagResp

Parameter	Type	Description
tag_id	String	**Definition:** Tag ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Tag name. **Value range**: N/A
color	String	**Definition:** Tag color. **Value range**: N/A
project_id	String	**Definition:** Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
project_name	String	**Definition:** Project name. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/db8d07265e24426598b3eb03a7818972/v5/api/pipeline-tag/list?
proj_id=db8d07265e24426598b3eb03a7818972
```

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Example Responses

Status code: 200

```
[ {
  "tag_id" : "707b6711d3484578a1d848d889a7fa60",
  "name" : "1",
  "color" : "#0b81f6",
  "project_id" : "db8d07265e24426598b3eb03a7818972",
  "project_name" : "cjrTest"
} ]
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.9.3 Updating Tags of a Pipeline

Function

This API is used to update tags of a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

POST /v5/{project_id}/api/pipeline-tag/update

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Table 4-887 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-888 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Tag name.
color	Yes	String	Tag color.
tagId	Yes	String	Tag ID.

Response Parameters

Status code: 200

Table 4-889 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
POST https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/api/pipeline-tag/update
```

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```
{
  "name" : "12",
  "color" : "#0b81f6",
  "tagId" : "6cb920b7932948a3ade7ec1d712494eb"
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.9.4 Deleting Pipeline Tags

Function

This API is used to delete pipeline tags.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v5/{project_id}/api/pipeline-tag/delete

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Table 4-890 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Table 4-891 Query Parameters

Parameter	Mandatory	Type	Description
tagId	Yes	String	**Definition**: ID of the tag to be deleted. Obtain the ID by calling the API for **querying pipeline tags**. **tag_id** indicates the tag ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-892 Request body parameters

Parameter	Mandatory	Type	Description
body	Yes	Object	Request body.

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Response Parameters

Status code: 200

Table 4-893 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the operation is successful. **Value range**: • **true**: The operation is successful. • **false**: The operation fails.

Example Requests

```
DELETE https://{endpoint}/v5/e2e18230a85d4d6ab0b56cb6d2246c18/pipeline-tag/delete?tagId=6cb920b7932948a3ade7ec1d712494eb

{ }
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	Response body.

Error Codes

See **Error Codes**.

4.10 Change Management

4.10.1 Create a Change

Function

Creating a change.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/change-request/create

Table 4-894 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.

Request Parameters

Table 4-895 Request body parameters

Parameter	Mandatory	Type	Description
component_id	Yes	String	Microservice ID.
title	Yes	String	Change title.
type	No	String	Change type. The default value is **code**.
workitem_ids	Yes	Array of strings	Work item ID.
repos	Yes	Array of **repos** objects	Information of the change code repository.

Table 4-896 repos

Parameter	Mandatory	Type	Description
repo_id	Yes	String	Repo code repository ID.
http_url	Yes	String	HTTP address of the code repository.
git_url	Yes	String	Git address of the code repository.
feature_branch	Yes	String	Feature branch.
main_branch	Yes	String	Default branch.

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Parameter	Mandatory	Type	Description
delete_branch_after_released	Yes	Boolean	Whether to delete the feature branch after release.

Response Parameters

Status code: 200

Table 4-897 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Change ID. **Value range**: The value consists of 32 characters, including digits and letters.
component_id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Status. **Value range**: N/A
title	String	**Definition:** Title. **Value range**: N/A
repos	Array of **repos** objects	**Definition:** Code repository of a change. **Value range**: N/A
workitem_ids	Array of strings	**Definition:** Work item ID. **Value range**: N/A

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Parameter	Type	Description
release_time	String	**Definition:** Release time. **Value range**: N/A
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A

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Table 4-898 repos

Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the code repository. **Value range**: N/A
git_url	String	**Definition:** Git address of the code repository. **Value range**: N/A
feature_branch	String	**Definition:** Feature branch. **Value range**: N/A
main_branch	String	**Definition:** Default branch. **Value range**: N/A
delete_branch_after_released	Boolean	**Definition:** Whether to delete the feature branch after release. **Value range**: • **true**: Delete the feature branch after release. • **false**: Do not delete the feature branch after release.

Example Requests

```
POST https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/create

{
  "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "title" : "aaaaa",
  "type" : "code",
  "workitem_ids" : [ "2332711" ],
  "repos" : [ {
    "http_url" : "https://example.com/test00001/maven.git",
    "git_url" : "git@example.com:test00001/maven.git",
```

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```
    "feature_branch" : "aaaaaa",
    "main_branch" : "master",
    "delete_branch_after_released" : false,
    "repo_id" : "804934"
  } ]
}
```

Example Responses

Status code: 200

```
{
  "id" : "495d94a305d4456f9a8a1efaaf2d34e0",
  "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "status" : "developing",
  "title" : "aaaa",
  "repos" : [ {
    "repo_id" : "804934",
    "http_url" : "https://example.com/test00001/maven.git",
    "git_url" : "git@example.com/test00001/maven.git",
    "feature_branch" : "aaa",
    "main_branch" : "master",
    "delete_branch_after_released" : false
  } ],
  "workitem_ids" : [ "2332711" ],
  "release_time" : null,
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "p_test5",
  "create_time" : "1719217063",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_name" : "p_test5",
  "update_time" : "1719217063"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.2 Querying the Change Details

Function

This API is used to query the change details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/change-request/{changeRequestId}/query

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Table 4-899 Path Parameters

Parameter	Mandatory	Type	Description
changeRequestId	Yes	String	Change ID.
cloudProjectId	Yes	String	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-900 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Change ID. **Value range**: The value consists of 32 characters, including digits and letters.
component_id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Status. **Value range**: N/A
title	String	**Definition:** Title. **Value range**: N/A
repos	Array of **repos** objects	**Definition:** Code repository of a change. **Value range**: N/A

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Parameter	Type	Description
workitem_ids	Array of strings	**Definition:** Work item ID. **Value range**: N/A
release_time	String	**Definition:** Release time. **Value range**: N/A
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A

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Table 4-901 repos

Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the code repository. **Value range**: N/A
git_url	String	**Definition:** Git address of the code repository. **Value range**: N/A
feature_branch	String	**Definition:** Feature branch. **Value range**: N/A
main_branch	String	**Definition:** Default branch. **Value range**: N/A
delete_branch_after_released	Boolean	**Definition:** Whether to delete the feature branch after release. **Value range**: • **true**: Delete the feature branch after release. • **false**: Do not delete the feature branch after release.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/
db893fc0add34286b07e311e8e28f8b0/query
```

Example Responses

Status code: 200

```
{
  "id" : "495d94a305d4456f9a8a1efaaf2d34e0",
```

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```
 "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
 "status" : "developing",
 "title" : "aaaa",
 "repos" : [ {
  "repo_id" : "804934",
  "http_url" : "https://example.com/test00001/maven.git",
  "git_url" : "git@example.com/test00001/maven.git",
  "feature_branch" : "aaa",
  "main_branch" : "master",
  "delete_branch_after_released" : false
 } ],
 "workitem_ids" : [ "2332711" ],
 "release_time" : null,
 "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
 "creator_name" : "p_test5",
 "create_time" : "1719217063",
 "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
 "updater_name" : "p_test5",
 "update_time" : "1719217063"
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.3 Modifying the Change Status

Function

This API is used to modify the change status.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/change-request/{changeRequestId}/status/update

Table 4-902 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
changeRequestId	Yes	String	Change ID.

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Table 4-903 Query Parameters

Parameter	Mandatory	Type	Description
status	Yes	String	Change status. The value can be **developing**, **to_be_released**, **releasing**, **released**, or **revoked**.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-904 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Change ID. **Value range**: The value consists of 32 characters, including digits and letters.
component_id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Status. **Value range**: N/A
title	String	**Definition:** Title. **Value range**: N/A
repos	Array of **repos** objects	**Definition:** Code repository of a change. **Value range**: N/A

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Parameter	Type	Description
workitem_ids	Array of strings	**Definition:** Work item ID. **Value range**: N/A
release_time	String	**Definition:** Release time. **Value range**: N/A
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A

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Table 4-905 repos

Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the code repository. **Value range**: N/A
git_url	String	**Definition:** Git address of the code repository. **Value range**: N/A
feature_branch	String	**Definition:** Feature branch. **Value range**: N/A
main_branch	String	**Definition:** Default branch. **Value range**: N/A
delete_branch_after_released	Boolean	**Definition:** Whether to delete the feature branch after release. **Value range**: • **true**: Delete the feature branch after release. • **false**: Do not delete the feature branch after release.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/
da50ce1a874c4521975b0feda0dedd4c/status/update?status=to_be_released
```

Example Responses

Status code: 200

```
{
  "id" : "da50ce1a874c4521975b0feda0dedd4c",
```

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```
  "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "status" : "to_be_released",
  "title" : "aaa",
  "repos" : [ ],
  "workitem_ids" : null,
  "release_time" : "1719221365",
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "p_test5",
  "create_time" : "1719217203",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_name" : "p_test5",
  "update_time" : "1719221365"
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.4 Modifying the Code Repository of a Change

Function

This API is used to modify the code repository of a change.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/change-request/{changeRequestId}/repos/update

Table 4-906 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
changeRequestId	Yes	String	Change ID.

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Request Parameters

Table 4-907 Request body parameters

Parameter	Mandatory	Type	Description
repos	Yes	Array of **repos** objects	Repo information.

Table 4-908 repos

Parameter	Mandatory	Type	Description
repo_id	Yes	String	Repo code repository ID.
http_url	Yes	String	HTTP address of the code repository.
git_url	Yes	String	Git address of the code repository.
feature_branch	Yes	String	Feature branch.
main_branch	Yes	String	Default branch.
delete_branch_after_released	Yes	Boolean	Whether to delete the feature branch after release.

Response Parameters

Status code: 200

Table 4-909 Response body parameters

Parameter	Type	Description
-	String	Whether the request is successful.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/
095ff1ca27f743a493349103a6070414/repos/update

[ {
  "http_url" : "https://example.com/test00001/maven.git",
  "git_url" : "git@example.com:test00001/maven.git",
  "feature_branch" : "aa",
  "main_branch" : "master",
  "delete_branch_after_released" : false,
  "repo_id" : "804934"
} ]
```

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Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.5 Querying the Change List

Function

This API is used to query the change list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/change-requests/search

Table 4-910 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-911 Request body parameters

Parameter	Mandatory	Type	Description
statuses	No	Array of strings	**Definition:** Change status. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
creator_ids	No	String	**Definition**: Creator ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
title	No	String	**Definition:** Change name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
component_id	Yes	String	**Definition** Pipeline microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** The value consists of 32 characters, including only digits and letters. **Default Value** N/A
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-912 Response body parameters

Parameter	Type	Description
total	Integer	**Definition:** Total number of change records. **Value range**: N/A
data	Array of **ChangeRequestVO** objects	**Definition:** Change history details. **Value range**: N/A

Table 4-913 ChangeRequestVO

Parameter	Type	Description
id	String	**Definition**: Change ID. **Value range**: The value consists of 32 characters, including digits and letters.
component_id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Status. **Value range**: N/A
title	String	**Definition:** Title. **Value range**: N/A
repos	Array of **repos** objects	**Definition:** Code repository of a change. **Value range**: N/A

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Parameter	Type	Description
workitem_ids	Array of strings	**Definition:** Work item ID. **Value range**: N/A
release_time	String	**Definition:** Release time. **Value range**: N/A
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A

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Table 4-914 repos

Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the code repository. **Value range**: N/A
git_url	String	**Definition:** Git address of the code repository. **Value range**: N/A
feature_branch	String	**Definition:** Feature branch. **Value range**: N/A
main_branch	String	**Definition:** Default branch. **Value range**: N/A
delete_branch_after_released	Boolean	**Definition:** Whether to delete the feature branch after release. **Value range**: • **true**: Delete the feature branch after release. • **false**: Do not delete the feature branch after release.

Example Requests

```
POST https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-requests/search

{
  "statuses" : [ "developing", "releasing", "to_be_released" ],
  "creator_ids" : null,
  "title" : "",
  "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "offset" : 0,
  "limit" : 10
}
```

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Example Responses

Status code: 200


```
{
  "total" : 1,
  "data" : [ {
    "id" : "adebc0cd4e9f44dfb92a6f5ad5106c2b",
    "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
    "status" : "developing",
    "title" : "11",
    "repos" : [ {
      "repo_id" : "804934",
      "http_url" : "https://example.com/test00001/maven.git",
      "git_url" : "git@example.com:test00001/maven.git",
      "feature_branch" : "aaa",
      "main_branch" : "master",
      "delete_branch_after_released" : false
    } ],
    "workitem_ids" : null,
    "release_time" : null,
    "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "creator_name" : "test5",
    "create_time" : "1719231005",
    "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
    "updater_name" : "test5",
    "update_time" : "1719231005"
  } ]
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.6 Querying Changes in a Pipeline

Function

This API is used to query changes in a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/pipeline/change-requests/search

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Table 4-915 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-916 Request body parameters

Parameter	Mandatory	Type	Description
component_id	Yes	String	**Definition** Microservice ID. You can obtain the value by calling the **Querying the Microservice List**API. data.id indicates the microservice ID. **Constraints** N/A **Range** The value consists of 32 characters, including digits and letters. **Default Value** N/A

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Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
statuses	Yes	Array of strings	**Definition:** Change status. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
title	No	String	**Definition:** Change name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-917 Response body parameters

Parameter	Type	Description
total	Integer	**Definition:** Total number of change records. **Value range**: N/A
data	Array of **ChangeRequestVO** objects	**Definition:** Change history details. **Value range**: N/A

Table 4-918 ChangeRequestVO

Parameter	Type	Description
id	String	**Definition**: Change ID. **Value range**: The value consists of 32 characters, including digits and letters.
component_id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
status	String	**Definition:** Status. **Value range**: N/A
title	String	**Definition:** Title. **Value range**: N/A
repos	Array of **repos** objects	**Definition:** Code repository of a change. **Value range**: N/A

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Parameter	Type	Description
workitem_ids	Array of strings	**Definition:** Work item ID. **Value range**: N/A
release_time	String	**Definition:** Release time. **Value range**: N/A
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A

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Table 4-919 repos

Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the code repository. **Value range**: N/A
git_url	String	**Definition:** Git address of the code repository. **Value range**: N/A
feature_branch	String	**Definition:** Feature branch. **Value range**: N/A
main_branch	String	**Definition:** Default branch. **Value range**: N/A
delete_branch_after_released	Boolean	**Definition:** Whether to delete the feature branch after release. **Value range**: • **true**: Delete the feature branch after release. • **false**: Do not delete the feature branch after release.

Example Requests

```
POST https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/pipeline/change-requests/search

{
  "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "limit" : 10,
  "offset" : 0,
  "statuses" : [ "releasing", "to_be_released" ],
  "title" : ""
}
```

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Example Responses

Status code: 200


```
{
  "total" : 1,
  "data" : [ {
    "id" : "adebc0cd4e9f44dfb92a6f5ad5106c2b",
    "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
    "status" : "developing",
    "title" : "11",
    "repos" : [ {
      "repo_id" : "804934",
      "http_url" : "https://example.com/test00001/maven.git",
      "git_url" : "git@example.com:test00001/maven.git",
      "feature_branch" : "aaa",
      "main_branch" : "master",
      "delete_branch_after_released" : false
    } ],
    "workitem_ids" : null,
    "release_time" : null,
    "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "creator_name" : "test5",
    "create_time" : "1719231005",
    "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
    "updater_name" : "test5",
    "update_time" : "1719231005"
  } ]
}
```


Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.7 Querying Changes Being Released

Function

This API is used to query changes being released.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/change-request/releasing/query

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Table 4-920 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.

Table 4-921 Query Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	Pipeline ID.
component_id	Yes	String	Microservice ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-922 Response body parameters

Parameter	Type	Description
[items]	Array of **ChangeRequestVO** objects	Change list.

Table 4-923 ChangeRequestVO

Parameter	Type	Description
id	String	**Definition**: Change ID. **Value range**: The value consists of 32 characters, including digits and letters.
component_id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
status	String	**Definition:** Status. **Value range**: N/A
title	String	**Definition:** Title. **Value range**: N/A
repos	Array of **repos** objects	**Definition:** Code repository of a change. **Value range**: N/A
workitem_ids	Array of strings	**Definition:** Work item ID. **Value range**: N/A
release_time	String	**Definition:** Release time. **Value range**: N/A
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A

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Parameter	Type	Description
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A

Table 4-924 repos

Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the code repository. **Value range**: N/A
git_url	String	**Definition:** Git address of the code repository. **Value range**: N/A
feature_branch	String	**Definition:** Feature branch. **Value range**: N/A

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Parameter	Type	Description
main_branch	String	**Definition:** Default branch. **Value range**: N/A
delete_branch_after_released	Boolean	**Definition:** Whether to delete the feature branch after release. **Value range**: • **true**: Delete the feature branch after release. • **false**: Do not delete the feature branch after release.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/releasing/query?
pipeline_id=11f4460be6dd4f51970f624a5a8d676a&component_id=f7ced2341b204d2b82c607c6f0de5b4a
```

Example Responses

Status code: 200

```
[ {
  "id" : "adebc0cd4e9f44dfb92a6f5ad5106c2b",
  "component_id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "status" : "developing",
  "title" : "11",
  "repos" : [ {
    "repo_id" : "804934",
    "http_url" : "https://example.com/test00001/maven.git",
    "git_url" : "git@example.com:test00001/maven.git",
    "feature_branch" : "aaa",
    "main_branch" : "master",
    "delete_branch_after_released" : false
  } ],
  "workitem_ids" : null,
  "release_time" : null,
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "test5",
  "create_time" : "1719231005",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_name" : "test5",
  "update_time" : "1719231005"
} ]
```

Status Codes

Status Code	Description
200	Changes.

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Error Codes

See **Error Codes**.

4.10.8 Querying the Change Operation History

Function

This API is used to query the change operation history.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/change-request/{changeRequestId}/oplog/query

Table 4-925 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
changeRequestId	Yes	String	Change ID.

Table 4-926 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: **0**.
limit	No	Integer	Page size.

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-927 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records.
data	Array of **ChangeRequestOplogVO** objects	Operation history.

Table 4-928 ChangeRequestOplogVO

Parameter	Type	Description
operator_id	String	Operator ID.
operator_name	String	Operator name.
operate	String	Operation.
message	String	Operation information.
operate_time	String	Operation time.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/
21c4adfc64194746ae38d595df3edd73/oplog/query?offset=0&limit=10
```

Example Responses

Status code: 200

```
{
  "total" : 4,
  "data" : [ {
    "operator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "operator_name" : "north-5",
    "operate" : "Update status",
    "message" : "Change the status from [Releasing] to [Released]",
    "operate_time" : "1718702374"
  }, {
    "operator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "operator_name" : "north-5",
    "operate" : "Update status",
    "message" : "Change the status from [To be released] to [Releasing]",
    "operate_time" : "1718701675"
  }, {
    "operator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "operator_name" : "north-5",
    "operate" : "Update status",
    "message" : "Change the status from [Developing] to [To be released]",
    "operate_time" : "1718701669"
  }, {
```

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```
    "operator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "operator_name" : "north-5",
    "operate" : "Create a change",
    "message" : "Create a change",
    "operate_time" : "1718701665"
  } ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.9 Querying Change Creator Information in a Project

Function

This API is used to query change creator information in a project.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/change-request/creator/list/search

Table 4-929 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.

Table 4-930 Query Parameters

Parameter	Mandatory	Type	Description
component_id	Yes	String	Microservice ID.
name	No	String	Creator name.

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-931 Response body parameters

Parameter	Type	Description
[items]	Array of **CreatorInfoVO** objects	Creator information.

Table 4-932 CreatorInfoVO

Parameter	Type	Description
creator_id	String	Creator ID.
creator_name	String	Creator name.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/creator/list/search?component_id=f7ced2341b204d2b82c607c6f0de5b4a&name=
```

Example Responses

Status code: 200

```
[ {
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "test5"
} ]
```

Status Codes

Status Code	Description
200	Creator information.

Error Codes

See **Error Codes**.

4.10.10 Querying Work Items Associated with a Change

Function

This API is used to query work items associated with a change.

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Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/change-request/{changeRequestId}/workitems/query

Table 4-933 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
changeRequestId	Yes	String	**Definition** Change ID of the change-triggered pipeline. You can use the **Query the change list**interface. data.id indicates the change ID. **Constraints** N/A **Range** The value consists of 32 characters, including digits and letters. **Default Value** N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-934 Response body parameters

Parameter	Type	Description
[items]	Array of **WorkItemVO** objects	**Definition:** Work items. **Value range**: N/A

Table 4-935 WorkItemVO

Parameter	Type	Description
work_item_id	String	**Definition:** Work item ID. **Value range**: N/A
status	String	**Definition:** Work item status. **Value range**: N/A
title	String	**Definition:** Work item title. **Value range**: N/A
type	String	**Definition:** Work item status. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/
adebc0cd4e9f44dfb92a6f5ad5106c2b/workitems/query
```

Example Responses

Status code: 200

```
[ {
  "work_item_id" : "2332711",
  "status" : "New",
  "title" : "asdsa",
  "type" : "Story"
} ]
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.10.11 Updating Work Items Associated with a Change

Function

This API is used to update work items associated with a change.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/change-request/{changeRequestId}/workitem/update

Table 4-936 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
changeRequestId	Yes	String	Change ID.

Request Parameters

Table 4-937 Request body parameters

Parameter	Mandatory	Type	Description
work_item_ids	Yes	Array of strings	Work item ID.

Response Parameters

Status code: 200

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Table 4-938 Response body parameters

Parameter	Type	Description
-	String	Whether the modification is successful.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/change-request/
adebc0cd4e9f44dfb92a6f5ad5106c2b/workitem/update

{
  "work_item_ids" : [ "2332711" ]
}
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.11 Microservice Management

4.11.1 Creating a Microservice

Function

This API is used to create a microservice.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/component/create

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Table 4-939 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.

Request Parameters

Table 4-940 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name.
type	Yes	String	Type.
parent_id	Yes	String	Parent ID, which is used when a parent microservice needs to be configured.
desc	Yes	String	Description.
repos	Yes	Array of **ComponentRepoVO** objects	Repository.

Table 4-941 ComponentRepoVO

Parameter	Mandatory	Type	Description
type	Yes	String	**Definition:** Repository type. **Value range**: N/A
repo_id	Yes	String	**Definition:** Repo ID. **Value range**: N/A
http_url	Yes	String	**Definition:** HTTP address of the repository. **Value range**: N/A

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Parameter	Mandatory	Type	Description
git_url	Yes	String	**Definition:** GIT address of the repository. **Value range**: N/A
branch	Yes	String	**Definition:** Branch. **Value range**: N/A
language	Yes	String	**Definition:** Language. **Value range**: N/A
endpoint_id	No	String	**Definition:** Endpoint ID. **Value range**: N/A

Response Parameters

Status code: 200

Table 4-942 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Microservice name. **Value range**: N/A
type	String	**Definition:** Microservice type. **Value range**: N/A

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Parameter	Type	Description
description	String	**Definition:** Microservice description. **Value range**: N/A
status	String	**Definition:** Microservice status. **Value range**: N/A
parent_id	String	**Definition** Parent ID, which is used when a parent microservice needs to be configured. **Range** N/A
cloud_project_id	String	**Definition**: Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
repos	Array of **ComponentRepoVO** objects	**Definition:** Microservice code repository. **Value range**: N/A
is_followed	Boolean	**Definition:** Whether the component is added to favorites. **Value range**: • **true**: The component has been added to favorites. • false: The component is not added to favorites.
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A
is_crmodel	Boolean	**Definition**: Whether the CR mode is used. **Value range**: N/A

Table 4-943 ComponentRepoVO

Parameter	Type	Description
type	String	**Definition:** Repository type. **Value range**: N/A

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Parameter	Type	Description
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the repository. **Value range**: N/A
git_url	String	**Definition:** GIT address of the repository. **Value range**: N/A
branch	String	**Definition:** Branch. **Value range**: N/A
language	String	**Definition:** Language. **Value range**: N/A
endpoint_id	String	**Definition:** Endpoint ID. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/create

{
  "name" : "aaa",
  "type" : "microservice",
  "parent_id" : null,
  "desc" : "",
  "repos" : [ {
    "type" : "codehub",
    "repo_id" : "985241",
    "http_url" : "https://example.com/test00001/maven.git",
    "git_url" : "git@example.com:test00001/maven.git",
    "branch" : "master",
    "language" : "java",
    "endpoint_id" : ""
  } ]
}
```

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Example Responses

Status code: 200


```
{
  "id" : "fcefc80dd6a844d89fd12031fd83bac0",
  "name" : "aaa",
  "type" : "microservice",
  "description" : "",
  "status" : "active",
  "parent_id" : null,
  "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
  "repos" : [ {
    "type" : "codehub",
    "repo_id" : "985241",
    "http_url" : "https://codehub.devcloud.{region}.example.com/2d09f712e9504b61b034cc8f40e475a8/
javaweb.git",
    "git_url" : "git@codehub.devcloud.{region}.example.com:2d09f712e9504b61b034cc8f40e475a8/
javaweb.git",
    "branch" : "master",
    "language" : "java",
    "endpoint_id" : ""
  } ],
  "is_followed" : null,
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "p_test_north5",
  "create_time" : "1719321282",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_name" : "p_test_north5",
  "update_time" : "1719321282"
}
```


Status Codes

Status Code	Description
200	Response body for creating a microservice.

Error Codes

See **Error Codes**.

4.11.2 Querying Whether a Microservice Is Favorited

Function

This API is used to query whether a microservice is favorited.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/component/{componentId}/follow/query

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Table 4-944 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-945 Response body parameters

Parameter	Type	Description
-	String	Whether to favorite a microservice.

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
f7ced2341b204d2b82c607c6f0de5b4a/follow/query
```

Example Responses

Status code: 200

```
true
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.11.3 Unfavoriting a Microservice

Function

This API is used to unfavorite a microservice.

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Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/component/{componentId}/unfollow

Table 4-946 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-947 Response body parameters

Parameter	Type	Description
-	String	Microservice ID.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
f7ced2341b204d2b82c607c6f0de5b4a/unfollow

{ }
```

Example Responses

Status code: 200

```
f7ced2341b204d2b82c607c6f0de5b4a
```

Status Codes

Status Code	Description
200	OK

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Error Codes

See **Error Codes**.

4.11.4 Favoriting a Microservice

Function

This API is used to favorite a microservice.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/component/{componentId}/follow

Table 4-948 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-949 Response body parameters

Parameter	Type	Description
-	String	Microservice ID.

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
f7ced2341b204d2b82c607c6f0de5b4a/follow

{ }
```

Example Responses

Status code: 200

```
f7ced2341b204d2b82c607c6f0de5b4a
```

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Status Codes

Status Code	Description
200	Whether the request is successful.

Error Codes

See **Error Codes**.

4.11.5 Updating a Microservice

Function

This API is used to update a microservice.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/component/{componentId}/update

Table 4-950 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

Request Parameters

Table 4-951 Request body parameters

Parameter	Mandatory	Type	Description
desc	Yes	String	Description.

Response Parameters

Status code: 200

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Table 4-952 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Microservice name. **Value range**: N/A
type	String	**Definition:** Microservice type. **Value range**: N/A
description	String	**Definition:** Microservice description. **Value range**: N/A
status	String	**Definition:** Microservice status. **Value range**: N/A
parent_id	String	**Definition** Parent ID, which is used when a parent microservice needs to be configured. **Range** N/A
cloud_project_id	String	**Definition**: Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
repos	Array of **ComponentRepoVO** objects	**Definition:** Microservice code repository. **Value range**: N/A

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Parameter	Type	Description
is_followed	Boolean	**Definition:** Whether the component is added to favorites. **Value range**: • **true**: The component has been added to favorites. • false: The component is not added to favorites.
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A
is_crmodel	Boolean	**Definition**: Whether the CR mode is used. **Value range**: N/A

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Table 4-953 ComponentRepoVO

Parameter	Type	Description
type	String	**Definition:** Repository type. **Value range**: N/A
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the repository. **Value range**: N/A
git_url	String	**Definition:** GIT address of the repository. **Value range**: N/A
branch	String	**Definition:** Branch. **Value range**: N/A
language	String	**Definition:** Language. **Value range**: N/A
endpoint_id	String	**Definition:** Endpoint ID. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
f7ced2341b204d2b82c607c6f0de5b4a/update

{
```

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```
  "desc" : "1122"
}
```

Example Responses

Status code: 200

```
{
  "id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "name" : "11",
  "type" : "microservice",
  "description" : "1122",
  "status" : "active",
  "parent_id" : null,
  "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
  "repos" : [ {
    "type" : "codehub",
    "repo_id" : "804934",
    "http_url" : "https://codehub.devcloud.{region}.example.com/LmhTest00001/maven.git",
    "git_url" : "git@codehub.devcloud.{region}.example.com:LmhTest00001/maven.git",
    "branch" : "master",
    "language" : "python",
    "endpoint_id" : ""
  } ],
  "is_followed" : null,
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "p_test_north5",
  "create_time" : "1709260209",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_name" : "p_test_north5",
  "update_time" : "1719318901"
}
```

Status Codes

Status Code	Description
200	Response body for updating a microservice.

Error Codes

See **Error Codes**.

4.11.6 Updating the Microservice Code Repository

Function

This API is used to update the microservice code repository.

Calling Method

For details, see **Calling APIs**.

URI

PUT /v2/{cloudProjectId}/component/{componentId}/repo/update

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Table 4-954 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

Request Parameters

Table 4-955 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of **ComponentRepoVO** objects	Microservice code repository.

Table 4-956 ComponentRepoVO

Parameter	Mandatory	Type	Description
type	Yes	String	**Definition:** Repository type. **Value range**: N/A
repo_id	Yes	String	**Definition:** Repo ID. **Value range**: N/A
http_url	Yes	String	**Definition:** HTTP address of the repository. **Value range**: N/A
git_url	Yes	String	**Definition:** GIT address of the repository. **Value range**: N/A

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Parameter	Mandatory	Type	Description
branch	Yes	String	**Definition:** Branch. **Value range**: N/A
language	Yes	String	**Definition:** Language. **Value range**: N/A
endpoint_id	No	String	**Definition:** Endpoint ID. **Value range**: N/A

Response Parameters

Status code: 200

Table 4-957 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Microservice name. **Value range**: N/A
type	String	**Definition:** Microservice type. **Value range**: N/A
description	String	**Definition:** Microservice description. **Value range**: N/A

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Parameter	Type	Description
status	String	**Definition:** Microservice status. **Value range**: N/A
parent_id	String	**Definition** Parent ID, which is used when a parent microservice needs to be configured. **Range** N/A
cloud_project_id	String	**Definition**: Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
repos	Array of **ComponentRepoVO** objects	**Definition:** Microservice code repository. **Value range**: N/A
is_followed	Boolean	**Definition:** Whether the component is added to favorites. **Value range**: • **true**: The component has been added to favorites. • false: The component is not added to favorites.
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A

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Parameter	Type	Description
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A
is_crmodel	Boolean	**Definition**: Whether the CR mode is used. **Value range**: N/A

Table 4-958 ComponentRepoVO

Parameter	Type	Description
type	String	**Definition:** Repository type. **Value range**: N/A
repo_id	String	**Definition:** Repo ID. **Value range**: N/A

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Parameter	Type	Description
http_url	String	**Definition:** HTTP address of the repository. **Value range**: N/A
git_url	String	**Definition:** GIT address of the repository. **Value range**: N/A
branch	String	**Definition:** Branch. **Value range**: N/A
language	String	**Definition:** Language. **Value range**: N/A
endpoint_id	String	**Definition:** Endpoint ID. **Value range**: N/A

Example Requests

```
PUT https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
f7ced2341b204d2b82c607c6f0de5b4a/repo/update

[ {
  "type" : "codehub",
  "repo_id" : "804934",
  "http_url" : "https://example.com/test00001/maven.git",
  "git_url" : "git@example.com:test00001/maven.git",
  "branch" : "master",
  "language" : "python",
  "endpoint_id" : ""
} ]
```

Example Responses

Status code: 200

```
{
  "id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "name" : "11",
  "type" : "microservice",
  "description" : "112",
  "status" : "active",
  "parent_id" : null,
```

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```
 "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
 "repos" : [ {
   "type" : "codehub",
   "repo_id" : "804934",
   "http_url" : "https://example.com/test00001/maven.git",
   "git_url" : "git@example.com:test00001/maven.git",
   "branch" : "master",
   "language" : "python",
   "endpoint_id" : ""
 } ],
 "is_followed" : null,
 "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
 "creator_name" : "p_test5",
 "create_time" : "1709260209",
 "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
 "updater_name" : "p_test5",
 "update_time" : "1719318495"
}
```


Status Codes

Status Code	Description
200	Response body for updating a microservice code repository.

Error Codes

See **Error Codes**.

4.11.7 Querying Microservice Details

Function

This API is used to query microservice details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v2/{cloudProjectId}/component/{componentId}/query

Table 4-959 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-960 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Microservice name. **Value range**: N/A
type	String	**Definition:** Microservice type. **Value range**: N/A
description	String	**Definition:** Microservice description. **Value range**: N/A
status	String	**Definition:** Microservice status. **Value range**: N/A
parent_id	String	**Definition** Parent ID, which is used when a parent microservice needs to be configured. **Range** N/A

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Parameter	Type	Description
cloud_project_id	String	**Definition**: Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
repos	Array of **ComponentRepoVO** objects	**Definition:** Microservice code repository. **Value range**: N/A
is_followed	Boolean	**Definition:** Whether the component is added to favorites. **Value range**: • **true**: The component has been added to favorites. • false: The component is not added to favorites.
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A
is_crmodel	Boolean	**Definition**: Whether the CR mode is used. **Value range**: N/A

Table 4-961 ComponentRepoVO

Parameter	Type	Description
type	String	**Definition:** Repository type. **Value range**: N/A
repo_id	String	**Definition:** Repo ID. **Value range**: N/A
http_url	String	**Definition:** HTTP address of the repository. **Value range**: N/A
git_url	String	**Definition:** GIT address of the repository. **Value range**: N/A
branch	String	**Definition:** Branch. **Value range**: N/A

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Parameter	Type	Description
language	String	**Definition:** Language. **Value range**: N/A
endpoint_id	String	**Definition:** Endpoint ID. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
f7ced2341b204d2b82c607c6f0de5b4a/query
```

Example Responses

Status code: 200

```
{
  "id" : "f7ced2341b204d2b82c607c6f0de5b4a",
  "name" : "11",
  "type" : "microservice",
  "description" : "112",
  "status" : "active",
  "parent_id" : null,
  "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
  "repos" : [ {
    "type" : "codehub",
    "repo_id" : "804934",
    "http_url" : "https://example.com/test00001/maven.git",
    "git_url" : "git@example.com:test00001/maven.git",
    "branch" : "master",
    "language" : "python",
    "endpoint_id" : ""
  } ],
  "is_followed" : null,
  "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
  "creator_name" : "p_test5",
  "create_time" : "1709260209",
  "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
  "updater_name" : "p_test5",
  "update_time" : "1719318495"
}
```

Status Codes

Status Code	Description
200	Response body for querying microservice details.

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Error Codes

See **Error Codes**.

4.11.8 Querying the Microservice List

Function

This API is used to query the microservice list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v2/{cloudProjectId}/component/list/query

Table 4-962 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-963 Request body parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
name	No	String	**Definition:** Microservice name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
sort_dir	No	String	**Definition:** Sorting direction. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-964 Response body parameters

Parameter	Type	Description
data	Array of **ComponentVO** objects	**Definition:** Data details. **Value range**: N/A
total	Integer	**Definition:** Total number of records. **Value range**: N/A

Table 4-965 ComponentVO

Parameter	Type	Description
id	String	**Definition**: Microservice ID. **Value range**: The value consists of 32 characters, including digits and letters.
name	String	**Definition:** Microservice name. **Value range**: N/A
type	String	**Definition:** Microservice type. **Value range**: N/A
description	String	**Definition:** Microservice description. **Value range**: N/A

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Parameter	Type	Description
status	String	**Definition:** Microservice status. **Value range**: N/A
parent_id	String	**Definition** Parent ID, which is used when a parent microservice needs to be configured. **Range** N/A
cloud_project_id	String	**Definition**: Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
repos	Array of **ComponentRepoVO** objects	**Definition:** Microservice code repository. **Value range**: N/A
is_followed	Boolean	**Definition:** Whether the component is added to favorites. **Value range**: • **true**: The component has been added to favorites. • false: The component is not added to favorites.
creator_id	String	**Definition**: Creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Creator name. **Value range**: N/A

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Parameter	Type	Description
create_time	String	**Definition:** Creation time. **Value range**: N/A
updater_id	String	**Definition**: Updater ID. **Value range**: The value consists of 32 characters, including digits and letters.
updater_name	String	**Definition:** Updater name. **Value range**: N/A
update_time	String	**Definition:** Update time. **Value range**: N/A
is_crmodel	Boolean	**Definition**: Whether the CR mode is used. **Value range**: N/A

Table 4-966 ComponentRepoVO

Parameter	Type	Description
type	String	**Definition:** Repository type. **Value range**: N/A
repo_id	String	**Definition:** Repo ID. **Value range**: N/A

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Parameter	Type	Description
http_url	String	**Definition:** HTTP address of the repository. **Value range**: N/A
git_url	String	**Definition:** GIT address of the repository. **Value range**: N/A
branch	String	**Definition:** Branch. **Value range**: N/A
language	String	**Definition:** Language. **Value range**: N/A
endpoint_id	String	**Definition:** Endpoint ID. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/list/query

{
  "offset" : 0,
  "limit" : 10,
  "name" : "",
  "sort_dir" : ""
}
```

Example Responses

Status code: 200

```
{
  "data" : [ {
    "id" : "f7ced2341b204d2b82c607c6f0de5b4a",
    "name" : "11",
    "type" : "microservice",
    "description" : null,
    "status" : "active",
    "parent_id" : null,
    "cloud_project_id" : "2d09f712e9504b61b034cc8f40e475a8",
    "repos" : null,
    "is_followed" : true,
```

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```
    "creator_id" : "05d8ca972f114765a8984795a8aa4d41",
    "creator_name" : "north-5",
    "create_time" : "1709260209",
    "updater_id" : "05d8ca972f114765a8984795a8aa4d41",
    "updater_name" : "north-5",
    "update_time" : "1719319144"
  } ],
  "total" : 1
}
```


Status Codes

Status Code	Description
200	Response body for querying microservices.

Error Codes

See **Error Codes**.

4.11.9 Deleting a Microservice

Function

This API is used to delete a microservice.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v2/{cloudProjectId}/component/{componentId}/delete

Table 4-967 Path Parameters

Parameter	Mandatory	Type	Description
cloudProjectId	Yes	String	Project ID.
componentId	Yes	String	Microservice ID.

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-968 Response body parameters

Parameter	Type	Description
-	String	Microservice ID.

Example Requests

```
DELETE https://{endpoint}/v2/2d09f712e9504b61b034cc8f40e475a8/component/
fcefc80dd6a844d89fd12031fd83bac0/delete
```

Example Responses

Status code: 200

```
fcefc80dd6a844d89fd12031fd83bac0
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.12 Template Management (Old Version, Unavailable Soon)

4.12.1 Querying Template List

Function

This API is used to query the template list. Pagination query is supported. Fuzzy query by template name is supported.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/templates

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Table 4-969 Query Parameters

Parameter	Mandatory	Type	Description
template_type	Yes	String	Template type.
is_build_in	Yes	String	Whether the template is a built-in template or not.
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0.
limit	No	Integer	Number of records displayed on each page.
name	No	String	Template name, which is fuzzily matched.
sort	No	String	Sorting field.
asc	No	String	Whether the sequence is in ascending order.

Request Parameters

Table 4-970 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-971 Response body parameters

Parameter	Type	Description
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.

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Parameter	Type	Description
page_number	Integer	Page number.
page_size	Integer	Number of records displayed on each page.
content	Array of **TemplateView** objects	Template data, which is of the list type.

Table 4-972 TemplateView

Parameter	Type	Description
template_id	String	Template ID.
template_name	String	Template name.
template_type	String	Template type.
template_url	String	Template editing URL.
user_id	String	User ID.
user_name	String	User name.
domain_id	String	Tenant ID.
domain_name	String	Tenant name.
is_build_in	Boolean	Whether the template is a built-in template or not.
region	String	The region of the system template is Cloud Pipeline. The region of the custom template is the actual region.
project_id	String	Project ID.
project_name	String	Project name.
create_time	String	Creation time.
last_modify_time	String	Modification time.
is_watch	Boolean	Whether to follow.
description	String	Template description.
parameter	Array of **TemplateParam** objects	Template parameter.

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Parameter	Type	Description
flow	Map<String,Map<String,String>>	Flow orchestration details, which describe the serial and parallel relationships of jobs in each stage of a pipeline. A **Map** type value, key indicates the stage name. By default, the first stage is **initial**, the last stage is **final**, and other stages are identified by **state_digit**. The value is the ID of the task (identified by **Task_digit**) in the stage and the ID of the subsequent stage. This field is one of the basic orchestration data of a pipeline. It is advised to obtain the value from the template-based creation API on the pipeline web UI.
states	Map<String,TemplateState>	State orchestration details. It is a **Map** type value. This field is one of the basic orchestration data of a pipeline. It is advised to obtain the value from the template-based creation API on the pipeline web UI.
can_update	Boolean	Whether it can be modified.
can_delete	Boolean	Whether it can be deleted.
need_hub	Boolean	Whether a code repository is required.

Table 4-973 TemplateParam

Parameter	Type	Description
required	String	Whether the parameter is mandatory.
visible	String	Whether the parameter is visible.
name	String	Pipeline parameter name.
value	String	Pipeline parameter value.
description	String	Pipeline parameter description.
paramtype	String	Pipeline parameter type.
display_type	String	Pipeline parameter display type.
display_name	String	Pipeline parameter display name.
is_static	Boolean	Whether it is a static parameter.
is_default	Boolean	Whether it is a default parameter.

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Parameter	Type	Description
limits	Array of **ParamTypeLimits** objects	Data of the **Array** type.
constraints	Array of **Constraint** objects	Data of the **Array** type.

Table 4-974 ParamTypeLimits

Parameter	Type	Description
disable	String	Whether it is discarded.
name	String	Language name.
displayname	String	Language display name.
id	String	Policy ID.
language	String	Scanning language.

Table 4-975 Constraint

Parameter	Type	Description
type	String	Verification rule type.
value	String	Verification rule.
errormsg	String	Verification failure description.

Table 4-976 TemplateState

Parameter	Type	Description
type	String	Job type.
name	String	Job name.
module_or_template_id	String	Template job ID.
module_or_template_name	String	Template job name.
display_name	String	Job name displayed on the pipeline page.

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Parameter	Type	Description
dsl_method	String	Types of jobs that can be mounted to a pipeline.
parameters	Map<String,Object>	Job parameter. The value is of the map type.
is_manual_execution	Boolean	Whether to manually execute the job.
job_parameter_validate	Boolean	Whether to verify job parameters.
is_show_codehub_url	Boolean	Whether to display the code repository URL.
is_execute	Boolean	Whether to execute
job_id	String	ID of the executed job.
job_name	String	Name of the executed job.
project_id	String	ID of the project to which the job belongs.
execution_mode	String	This parameter controls the execution mode of jobs in a stage. If **type** is **task**, the value of **execution_mode** is null. If **type** is **stage**, the value of **execution_mode** can be **parallel** or **serial**.

Status code: 400

Table 4-977 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
GET https://{endpoint}/v3/templates?template_type=pipeline&is_build_in=false&offset=0&limit=10
```

Example Responses

None

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListTemplatesSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListTemplatesRequest request = new ListTemplatesRequest();
        try {
            ListTemplatesResponse response = client.listTemplates(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
```

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```
import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListTemplatesRequest()
        response = client.list_templates(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()
```

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```
    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListTemplatesRequest{}
    response, err := client.ListTemplates(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.12.2 Querying Template Details

Function

This API is used to query template details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/templates/{template_id}

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Table 4-978 Path Parameters

Parameter	Mandatory	Type	Description
template_id	Yes	String	Template ID.

Table 4-979 Query Parameters

Parameter	Mandatory	Type	Description
template_type	Yes	String	Template type.
source	No	String	API callers.

Request Parameters

Table 4-980 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-981 Response body parameters

Parameter	Type	Description
template_id	String	Template ID.
template_name	String	Template name.
template_type	String	Template type.
user_id	String	User ID.
user_name	String	User name.
domain_id	String	Tenant ID.
domain_name	String	Tenant name.
is_build_in	Boolean	Whether the template is a built-in template or not.

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Parameter	Type	Description
region	String	Region
project_id	String	Project ID.
project_name	String	Project name.
create_time	String	Creation time.
last_modify_time	String	Modification time.
is_watch	Boolean	Whether it is followed.
description	String	Template description.
parameter	Array of **TemplateParam** objects	Template parameter.
flow	Map<String,Map<String,String>>	Flow orchestration details, which describe the serial and parallel relationships of jobs in each stage of a pipeline. A **Map** type value, key indicates the stage name. By default, the first stage is **initial**, the last stage is **final**, and other stages are identified by **state_digit**. The value is the ID of the task (identified by **Task_digit**) in the stage and the ID of the subsequent stage. This field is one of the basic orchestration data of a pipeline. It is advised to obtain the value from the template-based creation API on the pipeline web UI.
states	Map<String,**TemplateState**>	State orchestration details. It is a **Map** type value. This field is one of the basic orchestration data of a pipeline. It is advised to obtain the value from the template-based creation API on the pipeline web UI.

Table 4-982 TemplateParam

Parameter	Type	Description
required	String	Whether the parameter is mandatory.
visible	String	Whether the parameter is visible.
name	String	Pipeline parameter name.
value	String	Pipeline parameter value.

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Parameter	Type	Description
description	String	Pipeline parameter description.
paramtype	String	Pipeline parameter type.
display_type	String	Pipeline parameter display type.
display_name	String	Pipeline parameter display name.
is_static	Boolean	Whether it is a static parameter.
is_default	Boolean	Whether it is a default parameter.
limits	Array of **ParamTypeLimits** objects	Data of the **Array** type.
constraints	Array of **Constraint** objects	Data of the **Array** type.

Table 4-983 ParamTypeLimits

Parameter	Type	Description
disable	String	Whether it is discarded.
name	String	Language name.
displayname	String	Language display name.
id	String	Policy ID.
language	String	Scanning language.

Table 4-984 Constraint

Parameter	Type	Description
type	String	Verification rule type.
value	String	Verification rule.
errormsg	String	Verification failure description.

Table 4-985 TemplateState

Parameter	Type	Description
type	String	Job type.

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Parameter	Type	Description
name	String	Job name.
module_or_template_id	String	Template job ID.
module_or_template_name	String	Template job name.
display_name	String	Job name displayed on the pipeline page.
dsl_method	String	Types of jobs that can be mounted to a pipeline.
parameters	Map<String,Object>	Job parameter. The value is of the map type.
is_manual_execution	Boolean	Whether to manually execute the job.
job_parameter_validate	Boolean	Whether to verify job parameters.
is_show_codehub_url	Boolean	Whether to display the code repository URL.
is_execute	Boolean	Whether to execute
job_id	String	ID of the executed job.
job_name	String	Name of the executed job.
project_id	String	ID of the project to which the job belongs.
execution_mode	String	This parameter controls the execution mode of jobs in a stage. If **type** is **task**, the value of **execution_mode** is null. If **type** is **stage**, the value of **execution_mode** can be **parallel** or **serial**.

Status code: 400

Table 4-986 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/templates/6efb0b24e2e9489eb0e53ee12904a19e?template_type=deployMan
```

Example Responses

None

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowTemplateDetailSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowTemplateDetailRequest request = new ShowTemplateDetailRequest();
        request.withTemplateId("{template_id}");
        try {
            ShowTemplateDetailResponse response = client.showTemplateDetail(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowTemplateDetailRequest()
        request.template_id = "{template_id}"
        response = client.show_template_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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")
```

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```
    auth, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowTemplateDetailRequest{}
    request.TemplateId = "{template_id}"
    response, err := client.ShowTemplateDetail(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

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4.13 Pipeline Management (Old Version, Unavailable Soon)

4.13.1 Quickly Creating a Pipeline and Jobs with a Template

Function

This API is used to quickly create a pipeline and jobs with a template.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/templates/task

Request Parameters

Table 4-987 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

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Table 4-988 Request body parameters

Parameter	Mandatory	Type	Description
flow	Yes	Map<String,Map<String,String>>	**Definition:** Orchestration flow details, which describe the serial and parallel jobs in each stage of a pipeline. The value is of the map type. **key** is the stage name. By default, the first stage is ** initial**, the last stage is **final**, and other stage are identified by *state_number*. **value** indicates jobs in a stage (identified by **Task_ number**), as well as the identifiers of subsequent stages to be executed. This field is one of the basic orchestration data of the pipeline. You are advised to obtain the data based on the template creation API on the pipeline page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
states	Yes	Map<String,TemplateState>	**Definition:** Orchestration state details. The value is of the map type. This field is one of the basic orchestration data of the pipeline. You are advised to obtain it from the template creation API on the pipeline page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
workflow	Yes	Workflow object	**Definition:** Parameter details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-989 TemplateState

Parameter	Mandatory	Type	Description
type	Yes	String	Job type.
name	Yes	String	Job name.
module_or_template_id	Yes	String	Template job ID.
module_or_template_name	Yes	String	Template job name.
display_name	Yes	String	Job name displayed on the pipeline page.
dsl_method	Yes	String	Types of jobs that can be mounted to a pipeline.
parameters	Yes	Map<String,Object>	Job parameter. The value is of the map type.
is_manual_execution	Yes	Boolean	Whether to manually execute the job.
job_parameter_validate	Yes	Boolean	Whether to verify job parameters.
is_show_codehub_url	Yes	Boolean	Whether to display the code repository URL.
is_execute	Yes	Boolean	Whether to execute
job_id	Yes	String	ID of the executed job.
job_name	Yes	String	Name of the executed job.
project_id	Yes	String	ID of the project to which the job belongs.

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Parameter	Mandatory	Type	Description
execution_mode	Yes	String	This parameter controls the execution mode of jobs in a stage. If **type** is **task**, the value of **execution_mode** is null. If **type** is **stage**, the value of **execution_mode** can be **parallel** or **serial**.

Table 4-990 Workflow

Parameter	Mandatory	Type	Description
parameter	Yes	Array of **PipelineParam** objects	**Definition:** Job type. The value is of the list type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
source	Yes	Array of **Source** objects	**Definition:** Source code repository. The value is of the list type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name	Yes	String	**Definition:** Pipeline name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition:** Project ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
project_name	Yes	String	**Definition:** Project name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-991 PipelineParam

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Pipeline parameter name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
value	Yes	String	**Definition:** Pipeline parameter value. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	Yes	String	**Definition:** Pipeline parameter description. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
param_type	Yes	String	**Definition:** Pipeline parameter type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_static	Yes	Boolean	**Definition:** Whether the parameter is static. **Constraints**: N/A **Value range**: • **true**: The parameter is a static parameter. • **false**: The parameter is not a static parameter. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_default	Yes	Boolean	**Definition:** Whether the parameter is a default parameter. **Constraints**: N/A **Value range**: • **true**: The parameter is a default parameter. • **false**: The parameter is not a default parameter. **Default value**: N/A

Table 4-992 Source

Parameter	Mandatory	Type	Description
codehub_name	Yes	String	Source code repository name.
branches	Yes	Array of strings	Triggered branch
scm_type	Yes	String	Source code repository type.
hook_flag	Yes	Boolean	Whether to enable the function of triggering pipeline execution.
branch	Yes	String	Triggered branch.
git_url	Yes	String	SSH address of the source code repository.
codehub_id	Yes	String	Source code repository ID.
web_url	Yes	String	URL of the source code repository homepage.
branch_list	Yes	Array of strings	Branch list.
init_id	Yes	String	Initialization ID.
disable	Yes	Boolean	Whether to discard

Response Parameters

Status code: 200

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Table 4-993 Response body parameters

Parameter	Type	Description
task_id	String	**Definition:** Instance ID. **Value range**: The value consists of 32 characters, including digits and letters.

Status code: 400

Table 4-994 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v3/templates/task

{
  "flow" : {
    "initial" : {
      "state_3" : "always"
    },
    "state_3" : {
      "state_4" : "always"
    },
    "state_4" : {
      "state_5" : "always",
      "Task_1" : "always",
      "Task_2" : "always"
    },
    "state_5" : {
      "final" : "always"
    }
  },
  "states" : {
    "initial" : {
      "type" : "stage",
      "name" : "initial",
      "module_or_template_id" : null,
      "module_or_template_name" : null,
      "display_name" : "Initial",
```

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```
  "dsl_method" : "initial",
  "parameters" : {
    "display" : "hidden"
  },
  "params" : null,
  "is_manual_mxecution" : false,
  "execution_mode" : "parallel"
},
"state_3" : {
  "type" : "stage",
  "name" : "state_3",
  "module_or_template_id" : null,
  "module_or_template_name" : null,
  "display_name" : "Source",
  "dsl_method" : "source",
  "parameters" : null,
  "params" : null,
  "is_manual_execution" : false,
  "execution_mode" : "parallel"
},
"Task_1" : {
  "type" : "task",
  "name" : "Task_1",
  "module_or_template_id" : "00012",
  "module_or_template_name" : "Maven",
  "display_name" : "Build_Task",
  "dsl_method" : "buildJob",
  "parameters" : {
    "__repository__" : {
      "repo_name" : "fdfdfdf",
      "url" : "git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git"
    }
  },
  "params" : null,
  "is_manual_execution" : false,
  "execution_mode" : null,
  "job_parameter_palidate" : true,
  "is_show_code_hub_url" : false,
  "is_execute" : true,
  "job_id" : "00012",
  "job_name" : "Maven",
  "project_id" : "4719b59466624abfbae0f83c3ce3a0dc"
},
"Task_2" : {
  "type" : "task",
  "name" : "Task_2",
  "module_or_template_id" : "d7dffaefb6d94c63a09cf141668356c7",
  "module_or_template_name" : "codecheck_template",
  "display_name" : "Code_Check_Task",
  "dsl_method" : "codeCheck",
  "parameters" : {
    "language" : {
      "disable" : null,
      "name" : "Java",
      "display_name" : "Java",
      "id" : "782aade71ffb4ab780303555eb2e4825",
      "language" : "java"
    },
    "codeBranch" : "master",
    "__repository__" : {
      "repo_name" : "fdfdfdf",
      "url" : "git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git"
    }
  },
  "params" : null,
  "is_manual_execution" : false,
  "execution_mode" : null,
  "job_parameter_palidate" : true,
  "is_show_code_hub_url" : false,
```


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```
    "is_execute" : true,
    "job_id" : "d7dffaefb6d94c63a09cf141668356c7",
    "job_name" : "codecheck_template",
    "project_id" : "4719b59466624abfbae0f83c3ce3a0dc"
   },
   "state_4" : {
    "type" : "stage",
    "name" : "state_4",
    "module_or_template_id" : null,
    "module_or_template_name" : null,
    "display_name" : "Build_and_Check",
    "dsl_method" : "build",
    "parameters" : null,
    "params" : null,
    "is_manual_mxecution" : false,
    "execution_mode" : "parallel"
   },
   "state_5" : {
    "type" : "stage",
    "name" : "state_5",
    "module_or_template_id" : null,
    "module_or_template_name" : null,
    "display_name" : "Release",
    "dsl_method" : "release",
    "parameters" : null,
    "params" : null,
    "is_manual_mxecution" : false,
    "execution_mode" : "parallel"
   },
   "final" : {
    "type" : "stage",
    "name" : "final",
    "module_or_template_id" : null,
    "module_or_template_name" : null,
    "display_name" : "Final",
    "dsl_method" : "final",
    "parameters" : null,
    "params" : null,
    "is_manual_mxecution" : false,
    "execution_mode" : "parallel"
   }
  },
  "workflow" : {
   "parameter" : [ {
    "name" : "serviceName",
    "value" : "pipeline-20201229165622",
    "description" : "this is a text type param",
    "paramtype" : "normalparam",
    "display_name" : null,
    "isStatic" : true,
    "isDefault" : true,
    "constraints" : null
   }, {
    "name" : "releaseVersion",
    "value" : "1.0.0",
    "description" : "this is a growth type param",
    "paramtype" : "growthparam",
    "display_name" : null,
    "isStatic" : false,
    "isDefault" : true,
    "constraints" : null
   } ],
   "source" : [ {
    "scmType" : "codehub",
    "codeHubName" : "fdfdfdf",
    "hookFlag" : false,
    "branches" : [ ],
    "defaultBranch" : "master",
    "branch" : "",
```

```
    "codeHubId" : "5224040",
    "gitUrl" : "git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git",
    "webUrl" : "https://example.com/codehub/project/bc97c4d99c7d4f98bb6cd104a77fddd6/codehub/
140000127/home",
    "branchList" : [ "master" ]
   } ],
   "name" : "pipeline-123123",
   "description" : "",
   "project_id" : "bc97c4d99c7d4f98bb6cd104a77fddd6",
   "project_name" : "CloudPipelineTest-Copy"
  },
  "changeInfo" : null
}
```

Example Responses

Status code: 200

```
{
  "task_id" : "eafaff0bf9094d3d8456d13dddf67b40"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

public class CreatePipelineByTemplateSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        CreatePipelineByTemplateRequest request = new CreatePipelineByTemplateRequest();
        TemplateCddl body = new TemplateCddl();
        List<Source> listWorkflowSource = new ArrayList<>();
        listWorkflowSource.add(
```

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```
        new Source()
            .withBranches()
            .withBranch("")
    );
    List<PipelineParam> listWorkflowParameter = new ArrayList<>();
    listWorkflowParameter.add(
        new PipelineParam()
            .withName("serviceName")
            .withValue("pipeline-20201229165622")
            .withDescription("this is a text type param")
    );
    listWorkflowParameter.add(
        new PipelineParam()
            .withName("releaseVersion")
            .withValue("1.0.0")
            .withDescription("this is a growth type param")
    );
    Workflow workflowbody = new Workflow();
    workflowbody.withParameter(listWorkflowParameter)
        .withSource(listWorkflowSource)
        .withName("pipeline-123123")
        .withProjectId("bc97c4d99c7d4f98bb6cd104a77fddd6")
        .withProjectName("CloudPipelineTest-Copy");
    TemplateState statesStates = new TemplateState();
    statesStates.withType("stage")
        .withName("final")
        .withDisplayName("Final")
        .withDslMethod("final")
        .withExecutionMode("parallel");
    TemplateState statesStates1 = new TemplateState();
    statesStates1.withType("stage")
        .withName("state_5")
        .withDisplayName("Release")
        .withDslMethod("release")
        .withExecutionMode("parallel");
    TemplateState statesStates2 = new TemplateState();
    statesStates2.withType("stage")
        .withName("state_4")
        .withDisplayName("Build_and_Check")
        .withDslMethod("build")
        .withExecutionMode("parallel");
    Map<String, Object> listStatesParameters = new HashMap<>();
    listStatesParameters.put("language", "{\"name\":\"Java\",\"language\":\"java\",\"id
\":\"782aade71ffb4ab780303555eb2e4825\",\"display_name\":\"Java\"}");
    listStatesParameters.put("codeBranch", "master");
    listStatesParameters.put("__repository__", "{\"repo_name\":\"fdfdfdf\",\"url
\":\"git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git\"}");
    TemplateState statesStates3 = new TemplateState();
    statesStates3.withType("task")
        .withName("Task_2")
        .withModuleOrTemplateId("d7dffaefb6d94c63a09cf141668356c7")
        .withModuleOrTemplateName("codecheck_template")
        .withDisplayName("Code_Check_Task")
        .withDslMethod("codeCheck")
        .withParameters(listStatesParameters)
        .withIsManualExecution(false)
        .withIsExecute(true)
        .withJobId("d7dffaefb6d94c63a09cf141668356c7")
        .withJobName("codecheck_template")
        .withProjectId("4719b59466624abfbae0f83c3ce3a0dc");
    Map<String, Object> listStatesParameters1 = new HashMap<>();
    listStatesParameters1.put("__repository__", "{\"repo_name\":\"fdfdfdf\",\"url
\":\"git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git\"}");
    TemplateState statesStates4 = new TemplateState();
    statesStates4.withType("task")
        .withName("Task_1")
        .withModuleOrTemplateId("00012")
        .withModuleOrTemplateName("Maven")
        .withDisplayName("Build_Task")
```

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```
            .withDslMethod("buildJob")
            .withParameters(listStatesParameters1)
            .withIsManualExecution(false)
            .withIsExecute(true)
            .withJobId("00012")
            .withJobName("Maven")
            .withProjectId("4719b59466624abfbae0f83c3ce3a0dc");
        TemplateState statesStates5 = new TemplateState();
        statesStates5.withType("stage")
            .withName("state_3")
            .withDisplayName("Source")
            .withDslMethod("source")
            .withIsManualExecution(false)
            .withExecutionMode("parallel");
        Map<String, Object> listStatesParameters2 = new HashMap<>();
        listStatesParameters2.put("display", "hidden");
        TemplateState statesStates6 = new TemplateState();
        statesStates6.withType("stage")
            .withName("initial")
            .withDisplayName("Initial")
            .withDslMethod("initial")
            .withParameters(listStatesParameters2)
            .withExecutionMode("parallel");
        Map<String, TemplateState> listbodyStates = new HashMap<>();
        listbodyStates.put("initial", statesStates6);
        listbodyStates.put("state_3", statesStates5);
        listbodyStates.put("Task_1", statesStates4);
        listbodyStates.put("Task_2", statesStates3);
        listbodyStates.put("state_4", statesStates2);
        listbodyStates.put("state_5", statesStates1);
        listbodyStates.put("final", statesStates);
        Map<String, String> listFlowFlow = new HashMap<>();
        listFlowFlow.put("final", "always");
        Map<String, String> listFlowFlow1 = new HashMap<>();
        listFlowFlow1.put("state_5", "always");
        listFlowFlow1.put("Task_1", "always");
        listFlowFlow1.put("Task_2", "always");
        Map<String, String> listFlowFlow2 = new HashMap<>();
        listFlowFlow2.put("state_4", "always");
        Map<String, String> listFlowFlow3 = new HashMap<>();
        listFlowFlow3.put("state_3", "always");
        Map<String, Map<String, String>> listbodyFlow = new HashMap<>();
        listbodyFlow.put("initial", listFlowFlow3);
        listbodyFlow.put("state_3", listFlowFlow2);
        listbodyFlow.put("state_4", listFlowFlow1);
        listbodyFlow.put("state_5", listFlowFlow);
        body.withWorkflow(workflowbody);
        body.withStates(listbodyStates);
        body.withFlow(listbodyFlow);
        request.withBody(body);
        try {
            CreatePipelineByTemplateResponse response = client.createPipelineByTemplate(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());
        }
    }
}
```

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Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = CreatePipelineByTemplateRequest()
        listSourceWorkflow = [
            Source(
                branch=""
            )
        ]
        listParameterWorkflow = [
            PipelineParam(
                name="serviceName",
                value="pipeline-20201229165622",
                description="this is a text type param"
            ),
            PipelineParam(
                name="releaseVersion",
                value="1.0.0",
                description="this is a growth type param"
            )
        ]
        workflowbody = Workflow(
            parameter=listParameterWorkflow,
            source=listSourceWorkflow,
            name="pipeline-123123",
            project_id="bc97c4d99c7d4f98bb6cd104a77fddd6",
            project_name="CloudPipelineTest-Copy"
        )
        statesStates = TemplateState(
            type="stage",
            name="final",
            display_name="Final",
            dsl_method="final",
            execution_mode="parallel"
        )
        statesStates1 = TemplateState(
            type="stage",
            name="state_5",
            display_name="Release",
            dsl_method="release",
            execution_mode="parallel"
        )
        statesStates2 = TemplateState(
            type="stage",
            name="state_4",
            display_name="Build_and_Check",
```

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```
        dsl_method="build",
        execution_mode="parallel"
    )
    listParametersStates = {
        "language": "{\"name\":\"Java\",\"language\":\"java\",\"id
\":\"782aade71ffb4ab780303555eb2e4825\",\"display_name\":\"Java\"}",
        "codeBranch": "master",
        "__repository__": "{\"repo_name\":\"fdfdfdf\",\"url\":\"git@example.com:CloudPipelineTest-
Copy00001/fdfdfdf.git\"}"
    }
    statesStates3 = TemplateState(
        type="task",
        name="Task_2",
        module_or_template_id="d7dffaefb6d94c63a09cf141668356c7",
        module_or_template_name="codecheck_template",
        display_name="Code_Check_Task",
        dsl_method="codeCheck",
        parameters=listParametersStates,
        is_manual_execution=False,
        is_execute=True,
        job_id="d7dffaefb6d94c63a09cf141668356c7",
        job_name="codecheck_template",
        project_id="4719b59466624abfbae0f83c3ce3a0dc"
    )
    listParametersStates1 = {
        "__repository__": "{\"repo_name\":\"fdfdfdf\",\"url\":\"git@example.com:CloudPipelineTest-
Copy00001/fdfdfdf.git\"}"
    }
    statesStates4 = TemplateState(
        type="task",
        name="Task_1",
        module_or_template_id="00012",
        module_or_template_name="Maven",
        display_name="Build_Task",
        dsl_method="buildJob",
        parameters=listParametersStates1,
        is_manual_execution=False,
        is_execute=True,
        job_id="00012",
        job_name="Maven",
        project_id="4719b59466624abfbae0f83c3ce3a0dc"
    )
    statesStates5 = TemplateState(
        type="stage",
        name="state_3",
        display_name="Source",
        dsl_method="source",
        is_manual_execution=False,
        execution_mode="parallel"
    )
    listParametersStates2 = {
        "display": "hidden"
    }
    statesStates6 = TemplateState(
        type="stage",
        name="initial",
        display_name="Initial",
        dsl_method="initial",
        parameters=listParametersStates2,
        execution_mode="parallel"
    )
    listStatesbody = {
        "initial": statesStates6,
        "state_3": statesStates5,
        "Task_1": statesStates4,
        "Task_2": statesStates3,
        "state_4": statesStates2,
        "state_5": statesStates1,
        "final": statesStates
```

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```
        }
        listFlowFlow = {
            "final": "always"
        }
        listFlowFlow1 = {
            "state_5": "always",
            "Task_1": "always",
            "Task_2": "always"
        }
        listFlowFlow2 = {
            "state_4": "always"
        }
        listFlowFlow3 = {
            "state_3": "always"
        }
        listFlowbody = {
            "initial": listFlowFlow3,
            "state_3": listFlowFlow2,
            "state_4": listFlowFlow1,
            "state_5": listFlowFlow
        }
        request.body = TemplateCddl(
            workflow=workflowbody,
            states=listStatesbody,
            flow=listFlowbody
        )
        response = client.create_pipeline_by_template(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()
```

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```
    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.CreatePipelineByTemplateRequest{}
    var listSourceWorkflow = []model.Source{
        {
            Branch: "",
        },
    }
    var listParameterWorkflow = []model.PipelineParam{
        {
            Name: "serviceName",
            Value: "pipeline-20201229165622",
            Description: "this is a text type param",
        },
        {
            Name: "releaseVersion",
            Value: "1.0.0",
            Description: "this is a growth type param",
        },
    }
    workflowbody := &model.Workflow{
        Parameter: listParameterWorkflow,
        Source: listSourceWorkflow,
        Name: "pipeline-123123",
        ProjectId: "bc97c4d99c7d4f98bb6cd104a77fddd6",
        ProjectName: "CloudPipelineTest-Copy",
    }
    statesStates := model.TemplateState{
        Type: "stage",
        Name: "final",
        DisplayName: "Final",
        DslMethod: "final",
        ExecutionMode: "parallel",
    }
    statesStates1 := model.TemplateState{
        Type: "stage",
        Name: "state_5",
        DisplayName: "Release",
        DslMethod: "release",
        ExecutionMode: "parallel",
    }
    statesStates2 := model.TemplateState{
        Type: "stage",
        Name: "state_4",
        DisplayName: "Build_and_Check",
        DslMethod: "build",
        ExecutionMode: "parallel",
    }
    var listParametersStates = map[string]interface{}{
        "language": "{\"name\":\"Java\",\"language\":\"java\",\"id
\":\"782aade71ffb4ab780303555eb2e4825\",\"display_name\":\"Java\"}",
        "codeBranch": "master",
        "__repository__": "{\"repo_name\":\"fdfdfdf\",\"url\":\"git@example.com:CloudPipelineTest-Copy00001/
fdfdfdf.git\"}",
    }
    statesStates3 := model.TemplateState{
        Type: "task",
        Name: "Task_2",
        ModuleOrTemplateId: "d7dffaefb6d94c63a09cf141668356c7",
        ModuleOrTemplateName: "codecheck_template",
        DisplayName: "Code_Check_Task",
        DslMethod: "codeCheck",
```

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```
        Parameters: listParametersStates,
        IsManualExecution: false,
        IsExecute: true,
        JobId: "d7dffaefb6d94c63a09cf141668356c7",
        JobName: "codecheck_template",
        ProjectId: "4719b59466624abfbae0f83c3ce3a0dc",
    }
    var listParametersStates1 = map[string]interface{}{
        "__repository__": "{\"repo_name\":\"fdfdfdf\",\"url\":\"git@example.com:CloudPipelineTest-Copy00001/
fdfdfdf.git\"}",
    }
    statesStates4 := model.TemplateState{
        Type: "task",
        Name: "Task_1",
        ModuleOrTemplateId: "00012",
        ModuleOrTemplateName: "Maven",
        DisplayName: "Build_Task",
        DslMethod: "buildJob",
        Parameters: listParametersStates1,
        IsManualExecution: false,
        IsExecute: true,
        JobId: "00012",
        JobName: "Maven",
        ProjectId: "4719b59466624abfbae0f83c3ce3a0dc",
    }
    statesStates5 := model.TemplateState{
        Type: "stage",
        Name: "state_3",
        DisplayName: "Source",
        DslMethod: "source",
        IsManualExecution: false,
        ExecutionMode: "parallel",
    }
    var listParametersStates2 = map[string]interface{}{
        "display": "hidden",
    }
    statesStates6 := model.TemplateState{
        Type: "stage",
        Name: "initial",
        DisplayName: "Initial",
        DslMethod: "initial",
        Parameters: listParametersStates2,
        ExecutionMode: "parallel",
    }
    var listStatesbody = map[string](model.TemplateState){
        "initial": statesStates6,
        "state_3": statesStates5,
        "Task_1": statesStates4,
        "Task_2": statesStates3,
        "state_4": statesStates2,
        "state_5": statesStates1,
        "final": statesStates,
    }
    var listFlowFlow = map[string]string{
        "final": "always",
    }
    var listFlowFlow2 = map[string]string{
        "state_5": "always",
        "Task_1": "always",
        "Task_2": "always",
    }
    var listFlowFlow6 = map[string]string{
        "state_4": "always",
    }
    var listFlowFlow8 = map[string]string{
        "state_3": "always",
    }
    var listFlowbody = map[string]map[string]string{
        "initial": listFlowFlow8,
```

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```
        "state_3": listFlowFlow6,
        "state_4": listFlowFlow2,
        "state_5": listFlowFlow,
    }
    request.Body = &model.TemplateCddl{
        Workflow: workflowbody,
        States: listStatesbody,
        Flow: listFlowbody,
    }
    response, err := client.CreatePipelineByTemplate(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.2 Checking the Pipeline Creation Status

Function

This API is used to check the pipeline creation status.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/templates/{task_id}/status

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Table 4-995 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	Instance ID.

Request Parameters

Table 4-996 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-997 Response body parameters

Parameter	Type	Description
task_id	String	ID of the pipeline creation instance.
task_status	String	Instance creation status. The value can be **initializing**, **processing**, **finished**, or **succeeded**.
pipeline_id	String	Pipeline ID.
pipeline_name	String	Pipeline name.
pipeline_url	String	URL of the pipeline details page.

Status code: 400

Table 4-998 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A

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Parameter	Type	Description
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/templates/eafaff0bf9094d3d8456d13dddf67b40/status
```

Example Responses

Status code: 200

```
{
  "task_id" : "eafaff0bf9094d3d8456d13dddf67b40",
  "task_status" : "succeeded",
  "pipeline_id" : "4f73c81f5d98455eab7a2fda2f3d2434",
  "pipeline_name" : "pipeline-20200316144601",
  "pipeline_url" : "https://example.com/3560a08e3c5143c5bb0236e0ef910926/pipeline/detail/
4f73c81f5d98455eab7a2fda2f3d2434"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.3 Starting a Pipeline

Function

This API is used to start a pipeline.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v3/pipelines/{pipeline_id}/start

Table 4-999 Path Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

Table 4-1000 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-1001 Request body parameters

Parameter	Mandatory	Type	Description
build_params	No	Array of **StartPipelineBuildParams** objects	**Parameter description**: Build parameters for starting a pipeline. **Constraints**: N/A **Value range**: Max. 8192 characters. **Default value**: N/A

Table 4-1002 StartPipelineBuildParams

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Build parameter name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
value	Yes	String	**Definition:** Build parameter value. **Constraints**: N/A **Value range**: Max. 8,192 characters. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-1003 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
build_id	String	**Definition:** Pipeline execution ID. **Value range**: The value consists of 32 characters, including digits and letters.

Status code: 400

Table 4-1004 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

Start a pipeline.

Set the startup parameters to ServiceName:pipeline-Test and version:1.0.0.

```
{
  "build_params" : [ {
    "name" : "ServiceName",
    "value" : "pipeline-Test"
  }, {
    "name" : "version",
    "value" : "1.0.0"
  } ]
}
```

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Example Responses

Status code: 200

```
{
  "pipeline_id" : "8025ba36a87a4dd5af496708c2961817",
  "build_id" : "23"
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

Start a pipeline.

Set the startup parameters to ServiceName:pipeline-Test and version:1.0.0.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class StartNewPipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        StartNewPipelineRequest request = new StartNewPipelineRequest();
        request.withPipelineId("{pipeline_id}");
        StartPipelineParameters body = new StartPipelineParameters();
        List<StartPipelineBuildParams> listbodyBuildParams = new ArrayList<>();
        listbodyBuildParams.add(
            new StartPipelineBuildParams()
                .withName("ServiceName")
                .withValue("pipeline-Test")
        );
        listbodyBuildParams.add(
            new StartPipelineBuildParams()
                .withName("version")
                .withValue("1.0.0")
        );
        body.withBuildParams(listbodyBuildParams);
```

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```
        request.withBody(body);
        try {
            StartNewPipelineResponse response = client.startNewPipeline(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

Start a pipeline.

Set the startup parameters to ServiceName:pipeline-Test and version:1.0.0.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = StartNewPipelineRequest()
        request.pipeline_id = "{pipeline_id}"
        listBuildParamsbody = [
            StartPipelineBuildParams(
                name="ServiceName",
                value="pipeline-Test"
            ),
            StartPipelineBuildParams(
                name="version",
                value="1.0.0"
            )
        ]
        request.body = StartPipelineParameters(
            build_params=listBuildParamsbody
        )
        response = client.start_new_pipeline(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
```

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```
        print(e.error_code)
        print(e.error_msg)
```

Go

Start a pipeline.

Set the startup parameters to ServiceName:pipeline-Test and version:1.0.0.

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.StartNewPipelineRequest{}
    request.PipelineId = "{pipeline_id}"
    var listBuildParamsbody = []model.StartPipelineBuildParams{
        {
            Name: "ServiceName",
            Value: "pipeline-Test",
        },
        {
            Name: "version",
            Value: "1.0.0",
        },
    }
    request.Body = &model.StartPipelineParameters{
        BuildParams: &listBuildParamsbody,
    }
    response, err := client.StartNewPipeline(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
```

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```
    } 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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.4 Stopping a Pipeline

Function

This API is used to stop a pipeline.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/pipelines/{pipeline_id}/stop

Table 4-1005 Path Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	Pipeline ID.

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Table 4-1006 Query Parameters

Parameter	Mandatory	Type	Description
build_id	Yes	String	Execution ID.

Request Parameters

Table 4-1007 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-1008 Response body parameters

Parameter	Type	Description
pipeline_id	String	Pipeline ID.
pipeline_name	String	Pipeline name.

Status code: 400

Table 4-1009 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v3/pipelines/8025ba36a87a4dd5af496708c2961817/stop?build_id=1
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "8025ba36a87a4dd5af496708c2961817",
  "pipeline_name" : "pipeline-23"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class StopPipelineNewSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        StopPipelineNewRequest request = new StopPipelineNewRequest();
        request.withPipelineId("{pipeline_id}");
        try {
            StopPipelineNewResponse response = client.stopPipelineNew(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());
        }
```

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```
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = StopPipelineNewRequest()
        request.pipeline_id = "{pipeline_id}"
        response = client.stop_pipeline_new(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
```

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```
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.StopPipelineNewRequest{}
    request.PipelineId = "{pipeline_id}"
    response, err := client.StopPipelineNew(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.5 Obtaining Pipeline Statuses in Batches

Function

This API is used to obtain pipeline statuses and stage information.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v3/pipelines/status

Table 4-1010 Query Parameters

Parameter	Mandatory	Type	Description
pipeline_ids	Yes	String	ID of the pipeline whose status is to be obtained. IDs are separated by commas (,).

Request Parameters

Table 4-1011 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-1012 Response body parameters

Parameter	Type	Description
[items]	Array of **PipelineExecuteStates** objects	Pipeline execution result.

Table 4-1013 PipelineExecuteStates

Parameter	Type	Description
result	String	Pipeline execution result. The value can be **success**, **error**, or **aborted**.

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Parameter	Type	Description
status	String	**Definition**: Pipeline execution status. **Range**: • **waiting**: The pipeline is waiting to begin. • **running**: The pipeline is running. • **verifying**: This pipeline is to be reviewed. • **suspending**: The pipeline is suspended. • **completed**: The execution is completed. **Default value**: N/A
stages	Array of **Stages** objects	Stage execution status.
executor	String	Executor.
pipeline_name	String	Pipeline name.
pipeline_id	String	Pipeline ID.
build_id	String	Pipeline execution ID.
detail_url	String	URL of the pipeline details page.
modify_url	String	URL of the pipeline editing page.
start_time	String	Execution start time.
end_time	String	Execution end time.

Table 4-1014 Stages

Parameter	Type	Description
result	String	Execution result of a stage. The value can be **success**, **error**, or **aborted**.
status	String	Stage execution status. The value can be **waiting**, **running**, **verifying**, **suspending**, or **completed**.
name	String	Stage name.
parameters	Object	Stage running parameters.
order	Integer	Stage sequence.

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Parameter	Type	Description
dsl_method	String	Stage type.
display_name	String	Stage display name.

Status code: 400

Table 4-1015 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/pipelines/status?
pipeline_ids=8025ba36a87a4dd5af496708c2961817,413937e669914f95bed293617886c6c1
```

Example Responses

Status code: 200

```
[ {
  "result" : "error",
  "status" : "completed",
  "stages" : [ {
    "result" : "success",
    "status" : "completed",
    "name" : "initial",
    "parameters" : null,
    "order" : 1,
    "dsl_method" : "initial",
    "display_name" : "Source code"
  }, {
    "result" : "success",
    "status" : "completed",
    "name" : "state_3",
    "parameters" : null,
    "order" : 2,
    "dsl_method" : "build",
    "display_name" : "Build"
  } ],
  "executor" : "executor",
  "pipeline_name" : "Do not delete the PipelineSvc test._Continue the test.",
  "pipeline_id" : "92a65e2337174fabbdbccda97ab7ffad",
  "detail_url" : "https://example.com",
```

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```
  "modify_url" : "https://example.com",
  "start_time" : "2022-09-09 00:00:00",
  "end_time" : "2022-09-09 00:00:24",
  "build_id" : "25"
} ]
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.6 Deleting a Pipeline

Function

This API is used to delete a pipeline based on the pipeline ID.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v3/pipelines/{pipeline_id}

Table 4-1016 Path Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	ID of the pipeline to be deleted.

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Request Parameters

Table 4-1017 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-1018 Response body parameters

Parameter	Type	Description
pipeline_id	String	Pipeline ID.
pipeline_name	String	Pipeline name.

Status code: 400

Table 4-1019 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
DELETE https://{endpoint}/v3/pipelines/8025ba36a87a4dd5af496708c2961817
```

Example Responses

Status code: 200

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```
{
  "pipeline_id" : "eafaff0bf9094d3d8456d13dddf67b40",
  "pipeline_name" : "pipeline-test"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class RemovePipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        RemovePipelineRequest request = new RemovePipelineRequest();
        request.withPipelineId("{pipeline_id}");
        try {
            RemovePipelineResponse response = client.removePipeline(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
```

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```
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = RemovePipelineRequest()
        request.pipeline_id = "{pipeline_id}"
        response = client.remove_pipeline(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
```

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```
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.RemovePipelineRequest{}
    request.PipelineId = "{pipeline_id}"
    response, err := client.RemovePipeline(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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.7 Obtaining the Pipeline List

Function

This API is used to obtain the pipeline list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/pipelines/list

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Request Parameters

Table 4-1020 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Table 4-1021 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_name	No	String	**Definition:** Pipeline name. Fuzzy match by name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
project_ids	No	String	**Definition:** (Optional) Project ID. If there are multiple project IDs, separate them with commas (,). The number of IDs ranges from 0 to 10. If this parameter is specified, the pipeline list of the corresponding project is obtained. If not, the pipeline list of all projects on which the user has permission is obtained. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
creator_ids	No	String	**Definition:** (Optional) Creator ID. If there are multiple values, separate them with commas (,). The number of IDs ranges from 0 to 10. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
executor_ids	No	String	**Definition:** ID of the user who executes the pipeline. (Optional) If there are multiple values, separate them with commas (,). The number of IDs ranges from 0 to 10. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
status	No	String	**Definition:** Pipeline running status. **Constraints**: N/A **Value range**: • **waiting**: The pipeline is waiting to begin. • **running**: The pipeline is being executed. • **verifying**: This pipeline is to be reviewed. • **suspending**: The pipeline is suspended. • **completed**: The execution is completed. **Default value**: N/A
outcome	No	String	**Definition:** Pipeline execution result. **Constraints**: N/A **Value range**: • **success**: The execution is successful. • **error**: The execution failed. • **aborted**: The execution is aborted. **Default value**: N/A
sort_key	No	String	**Definition:** (Optional) Field for sorting. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
sort_dir	No	String	**Definition:** Sorting method. **Constraints**: N/A **Value range**: • **asc**: by sorting field in ascending order. • **desc**: by sorting field in descending order. **Default value**: N/A
git_url	No	String	**Definition:** Code repository address. Only CodeArts Repo repositories are supported, for example, **git@codehub.*XXX*.git**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
offset	No	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: 10–50. **Default value**: **10**.

Response Parameters

Status code: 200

Table 4-1022 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts. **Value range**: The value is no less than **0**.
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Integer	**Definition:** Total number of items. **Value range**: The value is no less than **0**.
result	Array of **PipelineBasicInfo** objects	**Definition:** Pipeline list. **Value range**: N/A

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Table 4-1023 PipelineBasicInfo

Parameter	Type	Description
project_id	String	**Definition:** Project ID. **Value range**: The value consists of 32 characters, including digits and letters.
project_name	String	**Definition:** Project name. **Value range**: N/A
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_name	String	**Definition:** Pipeline name. **Value range**: N/A
creator_id	String	**Definition:** Pipeline creator ID. **Value range**: The value consists of 32 characters, including digits and letters.
creator_name	String	**Definition:** Pipeline creator name. **Value range**: N/A
executor_id	String	**Definition:** ID of the user who executes the pipeline. **Value range**: The value consists of 32 characters, including digits and letters.

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Parameter	Type	Description
executor_name	String	**Definition:** Name of the user who executes the pipeline. **Value range**: N/A
start_time	String	**Definition:** Start time. **Value range**: N/A
create_time	String	**Definition:** Creation time. **Value range**: N/A
watched	String	**Definition:** Whether the user favorites the pipeline. **Value range**: • **true**: The pipeline is favorited. • **false**: The pipeline is not favorited.

Status code: 400

Table 4-1024 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

This API is used to obtain the pipeline list.

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Example: The project ID is e12ed176898d4841aa9881fe9b933c87 and the creator ID is 847a5317086c41798469d0868535943a. Pipelines are sorted by pipeline name in descending order.

```
POST https://{endpoint}/v3/pipelines/list

{
  "pipeline_name" : "",
  "project_ids" : "e12ed176898d4841aa9881fe9b933c87",
  "creator_ids" : "847a5317086c41798469d0868535943a",
  "executor_ids" : "847a5317086c41798469d0868535943a",
  "status" : "waiting,running,verifying,handling,suspending,completed",
  "outcome" : "error,success,aborted",
  "sort_key" : "pipeline_name",
  "sort_dir" : "desc",
  "git_url" : "",
  "offset" : 4,
  "limit" : 10
}
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 88,
  "result" : [ {
    "project_id" : "e12ed176898d4841aa9881fe9b933c87",
    "project_name" : "Pipeline_Beta_Automatic Test",
    "pipeline_id" : "d33f98177c3e44f8841b005e1badcaed",
    "pipeline_name" : "Ma Yunduo Cang",
    "creator_id" : "847a5317086c41798469d0868535943a",
    "creator_name" : "Big beta test account",
    "executor_id" : "847a5317086c41798469d0868535943a",
    "executor_name" : "Big beta test account",
    "start_time" : "2022-09-08 17:08:02",
    "create_time" : "2022-07-28 17:02:11",
    "watched" : "true"
  }, {
    "project_id" : "e12ed176898d4841aa9881fe9b933c87",
    "project_name" : "Pipeline_Beta_Automatic Test",
    "pipeline_id" : "2ec08a45031c4d2896292a48b7fb1a30",
    "pipeline_name" : "Dedicated Test for Access Control_Do Not Delete",
    "creator_id" : "847a5317086c41798469d0868535943a",
    "creator_name" : "Big beta test account",
    "executor_id" : "847a5317086c41798469d0868535943a",
    "executor_name" : "Big beta test account",
    "start_time" : "2022-09-08 16:52:03",
    "create_time" : "2020-10-29 17:05:02",
    "watched" : "true"
  } ]
}
```

SDK Sample Code

The SDK sample code is as follows.

Java

This API is used to obtain the pipeline list.

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Example: The project ID is e12ed176898d4841aa9881fe9b933c87 and the creator ID is 847a5317086c41798469d0868535943a. Pipelines are sorted by pipeline name in descending order.

```
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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListPipelineSimpleInfoSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListPipelineSimpleInfoRequest request = new ListPipelineSimpleInfoRequest();
        ListPipelineSimpleInfoRequestBody body = new ListPipelineSimpleInfoRequestBody();
        body.withLimit(10);
        body.withOffset(4);
        body.withGitUrl("");
        body.withSortDir("desc");
        body.withSortKey("pipeline_name");
        body.withOutcome("error,success,aborted");
        body.withStatus("waiting,running,verifying,handling,suspending,completed");
        body.withExecutorIds("847a5317086c41798469d0868535943a");
        body.withCreatorIds("847a5317086c41798469d0868535943a");
        body.withProjectIds("e12ed176898d4841aa9881fe9b933c87");
        body.withPipelineName("");
        request.withBody(body);
        try {
            ListPipelineSimpleInfoResponse response = client.listPipelineSimpleInfo(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());
        }
    }
}
```

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Python

This API is used to obtain the pipeline list.

Example: The project ID is e12ed176898d4841aa9881fe9b933c87 and the creator ID is 847a5317086c41798469d0868535943a. Pipelines are sorted by pipeline name in descending order.

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListPipelineSimpleInfoRequest()
        request.body = ListPipelineSimpleInfoRequestBody(
            limit=10,
            offset=4,
            git_url="",
            sort_dir="desc",
            sort_key="pipeline_name",
            outcome="error,success,aborted",
            status="waiting,running,verifying,handling,suspending,completed",
            executor_ids="847a5317086c41798469d0868535943a",
            creator_ids="847a5317086c41798469d0868535943a",
            project_ids="e12ed176898d4841aa9881fe9b933c87",
            pipeline_name=""
        )
        response = client.list_pipeline_simple_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

This API is used to obtain the pipeline list.

Example: The project ID is e12ed176898d4841aa9881fe9b933c87 and the creator ID is 847a5317086c41798469d0868535943a. Pipelines are sorted by pipeline name in descending order.

```
package main

import (
    "fmt"
```

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```
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListPipelineSimpleInfoRequest{}
    limitListPipelineSimpleInfoRequestBody:= int32(10)
    offsetListPipelineSimpleInfoRequestBody:= int32(4)
    gitUrlListPipelineSimpleInfoRequestBody:= ""
    sortDirListPipelineSimpleInfoRequestBody:= "desc"
    sortKeyListPipelineSimpleInfoRequestBody:= "pipeline_name"
    outcomeListPipelineSimpleInfoRequestBody:= "error,success,aborted"
    statusListPipelineSimpleInfoRequestBody:= "waiting,running,verifying,handling,suspending,completed"
    executorIdsListPipelineSimpleInfoRequestBody:= "847a5317086c41798469d0868535943a"
    creatorIdsListPipelineSimpleInfoRequestBody:= "847a5317086c41798469d0868535943a"
    projectIdsListPipelineSimpleInfoRequestBody:= "e12ed176898d4841aa9881fe9b933c87"
    pipelineNameListPipelineSimpleInfoRequestBody:= ""
    request.Body = &model.ListPipelineSimpleInfoRequestBody{
        Limit: &limitListPipelineSimpleInfoRequestBody,
        Offset: &offsetListPipelineSimpleInfoRequestBody,
        GitUrl: &gitUrlListPipelineSimpleInfoRequestBody,
        SortDir: &sortDirListPipelineSimpleInfoRequestBody,
        SortKey: &sortKeyListPipelineSimpleInfoRequestBody,
        Outcome: &outcomeListPipelineSimpleInfoRequestBody,
        Status: &statusListPipelineSimpleInfoRequestBody,
        ExecutorIds: &executorIdsListPipelineSimpleInfoRequestBody,
        CreatorIds: &creatorIdsListPipelineSimpleInfoRequestBody,
        ProjectIds: &projectIdsListPipelineSimpleInfoRequestBody,
        PipelineName: &pipelineNameListPipelineSimpleInfoRequestBody,
    }
    response, err := client.ListPipelineSimpleInfo(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
```

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```
    }
}
```

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
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.8 Obtaining the Pipeline Status

Function

This API is used to obtain the pipeline status, stage, and job information.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/pipelines/{pipeline_id}/status

Table 4-1025 Path Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	ID of the pipeline whose status is to be obtained.

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Table 4-1026 Query Parameters

Parameter	Mandatory	Type	Description
build_id	No	String	Execution ID of the pipeline whose status is to be obtained.

Request Parameters

Table 4-1027 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**.

Response Parameters

Status code: 200

Table 4-1028 Response body parameters

Parameter	Type	Description
pipeline_id	String	Pipeline ID.
pipeline_name	String	Pipeline name.
executor	String	Executor.
build_id	String	Pipeline execution ID.
start_time	String	Execution start time.
end_time	String	Execution end time.
parameters	Array of **PipelineParameter** objects	Pipeline parameters.
states	Array of **PipelineStateStatus** objects	Pipeline execution status.
elapsed_time	String	Execution duration.

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Parameter	Type	Description
status	String	Pipeline running status. The value can be **waiting**, **running**, **verifying**, **suspending**, and **completed**.
outcome	String	Pipeline execution result. The value can be **success**, **error**, or **aborted**.
detail_url	String	URL of the pipeline details page.

Table 4-1029 PipelineParameter

Parameter	Type	Description
name	String	Parameter name.
value	String	Parameter value.

Table 4-1030 PipelineStateStatus

Parameter	Type	Description
id	String	Stage or job ID.
name	String	Stage or job name.
type	String	Type (stage/job)
start_time	String	Execution start time.
end_time	String	Execution end time.
elapsed_time	String	Running duration.
status	String	**Definition**: Stage execution status. **Range**: • **waiting**: The stage is waiting to begin. • **running**: The stage is running. • **verifying**: This stage is to be reviewed. • **suspending**: The stage is suspended. • **completed**: The stage is completed. **Default value**: N/A

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Parameter	Type	Description
outcome	String	Running result. The value can be **success**, **error**, or **aborted**.
error_code	String	Error code.
error_msg	String	Error message.
children	Array of **PipelineStateStatus** objects	Subtask running information (empty for a task)
detail_url	String	URL of job running records.

Status code: 400

Table 4-1031 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/pipelines/8025ba36a87a4dd5af496708c2961817/status?build_id=2
```

Example Responses

Status code: 200

```
{
  "executor" : null,
  "status" : null,
  "outcome" : null,
  "pipeline_id" : "75c562a081574ff28224fb2c123a0643",
  "pipeline_name" : "pipeline-1185523_Cx2Ur",
  "build_id" : null,
  "start_time" : "2022-04-01 19:44:16",
  "end_time" : null,
  "elapsed_time" : null,
  "detail_url" : "https://example.com",
  "parameters" : [ {
    "name" : "seviceName",
    "value" : "pipeline-23"
```

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```
 }, {
   "name" : "codeBranch",
   "value" : "master"
 } ],
 "states" : [ {
   "id" : "state_4",
   "name" : "Build",
   "type" : "stage",
   "status" : null,
   "outcome" : null,
   "children" : [ {
     "id" : "Task_1",
     "name" : "Manual review",
     "type" : "task",
     "status" : null,
     "outcome" : null,
     "start_time" : null,
     "end_time\"" : null,
     "elapsed_time" : null,
     "error_code" : null,
     "error_msg" : null,
     "detail_url" : null
   } ],
   "start_time" : null,
   "end_time" : null,
   "elapsed_time" : null
 } ]
}
```


Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.13.9 Obtaining the Pipeline Execution Status in a Project

Function

This API is used to obtain the pipeline execution status in a project.

Calling Method

For details, see **Calling APIs**.

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URI

GET /v3/pipelines/build-result

Table 4-1032 Query Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
start_date	Yes	String	**Definition:** Start date. **Constraints**: The interval between the start date and end date cannot exceed one month. The start date is included. **Value range**: N/A **Default value**: N/A
end_date	Yes	String	**Definition:** Start date. **Constraints**: The interval between the start date and end date cannot exceed one month. The start date is included. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

Request Parameters

Table 4-1033 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-1034 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition:** Offset where the query starts. **Value range**: The **offset** value must be no less than 0.
limit	Integer	**Definition:** Number of records of each query. **Value range**: The value is no less than **0**.
total	Integer	**Definition:** Total number of items. **Value range**: N/A
build_results	Array of **PipelineBuildResult** objects	**Definition:** Execution status list. **Value range**: N/A

Table 4-1035 PipelineBuildResult

Parameter	Type	Description
build_id	String	**Definition:** Pipeline execution ID. **Value range**: N/A
elapse_time	String	**Definition:** Running duration, in milliseconds. **Value range**: N/A
end_time	String	**Definition:** Execution end time. **Value range**: N/A

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Parameter	Type	Description
outcome	String	**Definition:** Running result. **Value range**: • **success**: The execution is successful. • **error**: The execution failed. • **aborted**: The execution is aborted.
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_name	String	**Definition:** Pipeline name. **Value range**: N/A
start_time	String	**Definition:** Execution start time. **Value range**: N/A
status	String	**Definition:** Running status. **Value range**: • **waiting**: The pipeline is waiting to begin. • **running**: The pipeline is being executed. • **verifying**: This pipeline is to be reviewed. • **suspending**: The pipeline is suspended. • **completed**: The execution is completed.

Status code: 400

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Table 4-1036 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/pipelines/build-result?
project_id=8025ba36a87a4885af496708c2961817&start_date=2020-07-01&end_date=2020-07-31&offset=0&
limit=10
```

Example Responses

Status code: 200

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 29,
  "build_results" : [ {
    "status" : "completed",
    "outcome" : "success",
    "pipeline_id" : "fbe06e5655764f049f4d988bd2941279",
    "pipeline_name" : "API test pipeline_YN96I241",
    "build_id" : "12",
    "start_time" : "2021-08-10 00:00:01",
    "end_time" : "2021-08-10 00:00:02",
    "elapse_time" : "917"
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.13.10 Obtaining Pipeline Details

Function

This API is used to obtain pipeline execution details.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/pipelines/{pipeline_id}/detail

Table 4-1037 Path Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Table 4-1038 Query Parameters

Parameter	Mandatory	Type	Description
build_id	No	String	**Definition:** Pipeline execution ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-1039 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	No	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
X-Language	No	String	**Definition:** Language type. **Constraints**: N/A **Value range**: • **zh-cn**: Chinese. • **en-us**: English. **Default value**: **en-us**.

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Response Parameters

Status code: 200

Table 4-1040 Response body parameters

Parameter	Type	Description
workflow	**PipelineWorkflowDetail** object	Pipeline workflow details.
states	Array of **PipelineStateDetail** objects	Pipeline basic information.

Table 4-1041 PipelineWorkflowDetail

Parameter	Type	Description
pipeline_id	String	Pipeline ID.
pipeline_name	String	Pipeline name.
project_id	String	ID of the project to which the pipeline belongs.
project_name	String	Name of the project to which the pipeline belongs.
build_id	String	Pipeline execution ID.
status	String	Pipeline status. The value can be **waiting**, **running**, **verifying**, **suspending**, or **completed**.
outcome	String	Pipeline execution result. The value can be **success**, **error**, or **aborted**.
start_time	String	Execution start time.
end_time	String	Execution end time.
elapsed_time	String	Execution duration, in milliseconds.

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Parameter	Type	Description
execute_type	String	**Definition** Trigger method **Range** • **Manual**: triggered manually • **Scheduler**: triggered by a scheduled task • **MR**: triggered by a repository MR • **Push**: triggered by code commits • **CreateTag**: triggered by tag creation in the repository • **Issue**: triggered by a repository issue • **Note**: triggered by a repository note • **RollBack**: triggered by a rollback • **Unsuspended**: unsuspended
executor_id	String	Executor ID.
executor	String	Executor.
detail_url	String	URL of the pipeline details.
parameters	Array of **PipelineParameterDetail** objects	Pipeline parameters.
source	Array of **PipelineSourceDetail** objects	Source code information.
artifact_sources	Array of **PipelineArtifact-Detail** objects	Artifact source information.

Table 4-1042 PipelineParameterDetail

Parameter	Type	Description
name	String	Parameter name.
value	String	Parameter value.
type	String	Parameter type. The value can be text, enum, autoGrowth, or hostGroup.
is_system	Boolean	Whether it is a system parameter.
is_runtime	Boolean	Whether to enable the runtime setting.

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Parameter	Type	Description
is_secret	Boolean	Whether it is a private parameter.

Table 4-1043 PipelineSourceDetail

Parameter	Type	Description
scm_type	String	Repository type. The value can be **codehub**, **gitee**, **github**, or **general_git**.
endpoint_id	String	Code source endpoint.
repo_id	String	Code repository ID.
repo_name	String	Code repository name.
repo_owner	String	Owner.
display_name	String	Name of the code repository.
git_url	String	Code repository address.
default_branch	String	Default branch.
build_params	**PipelineSourceBuildParameters** object	Build parameter details.

Table 4-1044 PipelineSourceBuildParameters

Parameter	Type	Description
tag	String	Build tag.
commit_id	String	Build commit ID.

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Parameter	Type	Description
event_type	String	**Definition** Trigger method **Range** • **Manual**: triggered manually • **Scheduler**: triggered by a scheduled task • **MR**: triggered by a repository MR • **Push**: triggered by code commits • **CreateTag**: triggered by tag creation in the repository • **Issue**: triggered by a repository issue • **Note**: triggered by a repository note • **RollBack**: triggered by a rollback • **Unsuspended**: unsuspended
build_type	String	Code repository build type. The value can be branch or tag.
message	String	Information about the execution in the code repository.
action	String	action
merge_id	String	merge_id
source_branch	String	Source branch. If the execution is not triggered by an MR, the value is null.
target_branch	String	Target branch. If the execution is not triggered by an MR, the value is the branch selected for this execution.

Table 4-1045 PipelineArtifactDetail

Parameter	Type	Description
source_system	String	Pipeline source type. The value is CloudArtifact, indicating the artifact source.
artifact_type	String	Artifact source type. The options can be generic(software release repo), docker (Docker repository).
artifact_type_name	String	Artifact source name.

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Parameter	Type	Description
alias	String	Deployment source alias.
properties	Object	Deployment source configuration.
build_params	**PipelineArtifact-BuildParameters** object	Build parameters of the artifact source.

Table 4-1046 PipelineArtifactBuildParameters

Parameter	Type	Description
execute_version	String	Artifact source version.

Table 4-1047 PipelineStateDetail

Parameter	Type	Description
id	String	Stage ID.
name	String	Stage name.
type	String	Node type. The value is stage.
dsl_method	String	Stage type, such as initial and source.
is_manual_execution	Boolean	Whether to manually execute.
start_time	String	Execution start time.
end_time	String	Execution end time.
elapsed_time	String	Execution duration, in seconds.
status	String	Execution status. The value can be waiting, running, verifying, suspending, or completed.
outcome	String	Execution result. The value can be **success**, **error**, or **aborted**.
execution_mode	String	Execution mode. The value can be serial or parallel.
children	Array of **PipelineTaskDetail** objects	Job details.

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Table 4-1048 PipelineTaskDetail

Parameter	Type	Description
id	String	Job ID.
name	String	Job name.
type	String	Node type, which can be stage or job.
dsl_method	String	Job type.
start_time	String	Execution start time.
end_time	String	Execution end time.
elapsed_time	String	Execution duration, in seconds.
status	String	Execution status. The value can be **waiting**, **running**, **verifying**, **suspending**, or **completed**.
outcome	String	Execution result. The value can be **success**, **error**, or **aborted**.
third_task_id	String	Third-party job ID.
third_task_name	String	Third-party job name.
project_id	String	ID of the project to which the job belongs.
third_task_build_number	String	Job build ID.
third_task_daily_build_number	String	Job build ID. This parameter is available only for build jobs.
detail_url	String	Job details link.
error_code	String	Error code.
error_msg	String	Error message.

Example Requests

```
GET https://{endpoint}/v3/pipelines/6bcb539a945344249a442e004691eaca/detail
```

Example Responses

Status code: 200

```
{
  "workflow" : {
    "status" : "completed",
    "outcome" : "success",
    "executor" : "Beta environment account",
    "parameter" : [ {
      "name" : "projectId",
      "value" : "3137cc95f7af43ccb41d4f13ffdecea8",
```

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```
    "type" : "text",
    "is_system" : true,
    "is_runtime" : true,
    "is_secret" : false
  }, {
    "name" : "buildId",
    "value" : "1",
    "type" : "text",
    "is_system" : true,
    "is_runtime" : true,
    "is_secret" : false
  }, {
    "name" : "PIPELINE_NUMBER",
    "value" : "1",
    "type" : "text",
    "is_system" : true,
    "is_runtime" : true,
    "is_secret" : false
  }, {
    "name" : "PIPELINE_ID",
    "value" : "6bcb539a945344249a442e004691eaca",
    "type" : "text",
    "is_system" : true,
    "is_runtime" : true,
    "is_secret" : false
  }, {
    "name" : "PROJECT_ID",
    "value" : "3137cc95f7af43ccb41d4f13ffdecea8",
    "type" : "text",
    "is_system" : true,
    "is_runtime" : true,
    "is_secret" : false
  }, {
    "name" : "TIMESTAMP",
    "value" : "20240422115658",
    "type" : "text",
    "is_system" : true,
    "is_runtime" : true,
    "is_secret" : false
  } ],
  "source" : [ {
    "scm_type" : "codehub",
    "endpoint_id" : null,
    "repo_id" : "2111842724",
    "repo_name" : "phoenix-sample",
    "repo_owner" : "",
    "display_name" : "phoenix-sample",
    "git_url" : "git@example.com:3137cc95f7af43ccb41d4f13ffdecea8/phoenix-sample.git",
    "default_branch" : "master",
    "build_params" : {
      "event_type" : "Manual",
      "action" : "",
      "target_branch" : "master",
      "merge_id" : "",
      "tag" : "",
      "message" : "initial commit",
      "build_type" : "branch",
      "commit_id" : "ff413ce20be52732c22509db887a7d2f521c9993",
      "source_branch" : ""
    }
  } ],
  "pipeline_id" : "6bcb539a945344249a442e004691eaca",
  "pipeline_name" : "pipeline-20240422115315",
  "project_id" : "3137cc95f7af43ccb41d4f13ffdecea8",
  "project_name" : "TestInit01",
  "build_id" : "1",
  "start_time" : "1713758218809",
  "end_time" : "1713758219075",
  "elapsed_time" : "0",
```


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```
    "execute_type" : "Manual",
    "executor_id" : "847a5317086c41798469d0868535943a",
    "executor_user_name" : null,
    "detail_url" : "https://example.com/pipeline/project/3137cc95f7af43ccb41d4f13ffdecea8/pipeline/detail/
6bcb539a945344249a442e004691eaca",
    "artifact_sources" : [ ]
  },
  "states" : [ {
    "id" : "state_3",
    "name" : "Pipeline Source",
    "type" : "stage",
    "status" : "completed",
    "outcome" : "success",
    "children" : [ ],
    "dsl_method" : "source",
    "start_time" : "1713758218966",
    "end_time" : "1713758218977",
    "elapsed_time" : "0",
    "execution_mode" : "parallel",
    "is_manual_execution" : false
  }, {
    "id" : "state_4",
    "name" : "Build and Check",
    "type" : "stage",
    "status" : "completed",
    "outcome" : "success",
    "children" : [ ],
    "dsl_method" : "build",
    "start_time" : "1713758218999",
    "end_time" : "1713758219010",
    "elapsed_time" : "0",
    "execution_mode" : "parallel",
    "is_manual_execution" : false
  }, {
    "id" : "final",
    "name" : "End",
    "type" : "stage",
    "status" : "completed",
    "outcome" : "success",
    "children" : [ ],
    "dsl_method" : "final",
    "start_time" : "1713758219044",
    "end_time" : "1713758219048",
    "elapsed_time" : "0",
    "execution_mode" : "parallel",
    "is_manual_execution" : false
  } ]
}
```


Status Codes

Status Code	Description
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

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Error Codes

See **Error Codes**.

4.13.11 Querying Pipeline Execution Records

Function

This API is used to query pipeline execution records.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/pipelines/{pipeline_id}/build-records

Table 4-1049 Path Parameters

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Table 4-1050 Query Parameters

Parameter	Mandatory	Type	Description
start_date	No	String	**Definition:** Start date. **Constraints**: The interval between the start date and end date cannot exceed one month. The start date is included. **Value range**: N/A **Default value**: N/A
end_date	No	String	**Definition:** Start date. **Constraints**: The interval between the start date and end date cannot exceed one month. The start date is included. **Value range**: N/A **Default value**: N/A
offset	No	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
status	No	String	**Definition:** Pipeline execution status. **Constraints**: N/A **Value range**: • **waiting**: The pipeline is waiting to begin. • **running**: The pipeline is being executed. • **verifying**: This pipeline is to be reviewed. • **suspending**: The pipeline is suspended. • **completed**: The execution is completed. **Default value**: N/A
outcome	No	String	**Definition:** Pipeline execution result. **Constraints**: N/A **Value range**: • **success**: The execution is successful. • **error**: The execution failed. • **aborted**: The execution is aborted. **Default value**: N/A

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Request Parameters

Table 4-1051 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: User token. Obtain a token (the value of the **X-Subject-Token** response header) by calling the IAM API for **obtaining a user token**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
X-Language	No	String	**Definition:** Language type. **Constraints**: N/A **Value range**: • **zh-cn**: Chinese. • **en-us**: English. **Default value**: **en-us**.

Response Parameters

Status code: 200

Table 4-1052 Response body parameters

Parameter	Type	Description
total	Integer	**Definition:** Total number of items. **Value range**: N/A

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Parameter	Type	Description
records	Array of **PipelineBuildRecordInfo** objects	**Definition:** Information of pipeline execution records. **Value range**: N/A

Table 4-1053 PipelineBuildRecordInfo

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_name	String	**Definition:** Pipeline name. **Value range**: N/A
build_id	String	**Definition:** Execution ID. **Value range**: N/A
start_time	String	**Definition:** Start time. **Value range**: N/A
end_time	String	**Definition:** End time. **Value range**: N/A
elapse_time	String	**Definition:** Execution duration. **Value range**: N/A

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Parameter	Type	Description
execute_type	String	**Definition:** Job type. **Value range**: N/A
executor_id	String	**Definition:** ID of the user who executes the pipeline. **Value range**: N/A
executor_name	String	**Definition:** Name of the user who executes the pipeline. **Value range**: N/A
status	String	**Definition:** Pipeline status. **Value range**: N/A
outcome	String	**Definition:** Pipeline execution result. **Value range**: N/A

Status code: 400

Table 4-1054 Response body parameters

Parameter	Type	Description
error_msg	String	**Parameter description**: Error message. **Value range**: N/A
error_code	String	**Parameter description**: Error code. **Value range**: N/A

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Example Requests

None

Example Responses

Status code: 200


```
{
  "total" : 1,
  "records" : [ {
    "pipeline_id" : "pipeline_001",
    "pipeline_name" : "My Pipeline",
    "build_id" : "build_001",
    "start_time" : "2023-09-15 10:00:00",
    "end_time" : "2023-09-15 10:30:00",
    "elapse_time" : "30 minutes",
    "execute_type" : "manual",
    "executor_id" : "executor_001",
    "executor_name" : "Jane Doe",
    "status" : "success",
    "outcome" : "completed"
  } ]
}
```


Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

Error Codes

See **Error Codes**.

4.14 GitCode Pipeline

4.14.1 Stopping a GitCode Pipeline

Function

This API is used to stop a GitCode pipeline.

Calling Method

For details, see **Calling APIs**.

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URI

POST /v6/{domain_id}/api/pac/pipelines/actions/{pipeline_id}/{pipeline_run_id}/stop

Table 4-1055 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-1056 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Example Requests

None

Example Responses

Status code: 200

```
{
  "success" : true
}
```

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.2 Querying the Running Details of a GitCode Pipeline

Function

This API is used to query the running details of a GitCode pipeline.

Calling Method

For details, see **Calling APIs**.

URI

GET /v6/{domain_id}/api/pac/pipelines/actions/{pipeline_id}/{pipeline_run_id}

Table 4-1057 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-1058 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_name	String	**Definition**: Pipeline name. **Value range**: N/A
pipeline_run_id	String	**Definition**: Pipeline running ID. **Value range**: The value consists of 32 characters, including digits and letters.
pipeline_run_name	String	**Definition**: Pipeline running name. **Value range**: N/A
start_time	String	**Definition**: Time when a pipeline starts to run. **Value range**: N/A
end_time	String	**Definition**: Time when a pipeline execution finished. **Value range**: N/A
status	String	**Definition:** Pipeline running status. **Value range**: N/A
trigger_type	String	**Definition**: Pipeline trigger type. **Value range**: N/A

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Parameter	Type	Description
actor	String	**Definition:** User who executes the pipeline. **Value range**: N/A
run_number	String	**Definition**: Pipeline running ID. **Value range**: N/A
commit_id	String	**Definition**: Code commit ID. **Value range**: N/A
file_commit_id	String	**Definition**: Commit ID of the triggered file in the repository. **Range**: N/A
branch	String	**Definition**: Triggered branch of the repository. **Range**: N/A
jobs	Array of **PipelineRunJobInfo** objects	**Definition:** Pipeline running job details. **Value range**: N/A

Table 4-1059 PipelineRunJobInfo

Parameter	Type	Description
name	String	**Definition:** Job name. **Value range**: N/A

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Parameter	Type	Description
id	String	**Definition:** Job ID. **Value range**: N/A
identifier	String	**Definition:** Unique identifier of a job. **Value range**: N/A
condition	String	**Definition:** Condition expression. **Value range**: N/A
status	String	**Definition:** Job status. **Value range**: N/A
start_time	String	**Definition**: Job start time. **Value range**: N/A
end_time	String	**Definition**: Job end time. **Value range**: N/A
steps	Array of **PipelineRunStepInfo** objects	**Definition:** Job steps. **Value range**: N/A

Table 4-1060 PipelineRunStepInfo

Parameter	Type	Description
name	String	**Definition:** Step name. **Value range**: N/A

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Parameter	Type	Description
id	String	**Definition:** Step ID. **Value range**: N/A
task	String	**Definition:** Task name in a step. **Value range**: N/A
status	String	**Definition:** Step status. **Value range**: N/A
start_time	String	**Definition**: Step start time. **Value range**: N/A
end_time	String	**Definition**: Step end time. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions/
e6533cbd78ca4b02a1b7b0e1b6428975/e36cd65545704c45afa8e025b336d3b1
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "ca5fd6c21a2a454f89613cfa8cf687d5",
  "pipeline_name" : "pipe",
  "pipeline_run_id" : "e6533cbd78ca4b02a1b7b0e1b6428975",
  "pipeline_run_name" : "pipeRun",
  "start_time" : 1742440405000,
  "end_time" : 1742440405000,
  "status" : "FAILED",
  "trigger_type" : "Push",
  "actor" : "actor1",
  "run_number" : 1,
  "commit_id" : "abc",
  "file_commit_id" : "abc",
  "branch" : "main",
  "jobs" : {
    "name" : "job",
    "id" : "ca5fd6c21a2a454f89613cfa8cf687d5",
```

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```
    "identifier" : "job_1",
    "condition" : "default",
    "status" : "FAILED",
    "start_time" : 1742440405000,
    "end_time" : 1742440405000
  }
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ShowActionsRunsDetailSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ShowActionsRunsDetailRequest request = new ShowActionsRunsDetailRequest();
        request.withDomainId("{domain_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            ShowActionsRunsDetailResponse response = client.showActionsRunsDetail(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());
        }
    }
}
```

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Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ShowActionsRunsDetailRequest()
        request.domain_id = "{domain_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.show_actions_runs_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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }
```

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```
    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ShowActionsRunsDetailRequest{}
    request.DomainId = "{domain_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.ShowActionsRunsDetail(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 Deleting the Running Details of a GitCode Pipeline

Function

This API is used to delete the running details of a GitCode pipeline.

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v6/{domain_id}/api/pac/pipelines/actions/{pipeline_id}/{pipeline_run_id}

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Table 4-1061 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-1062 Response body parameters

Parameter	Type	Description
[items]	Array of **ActionsPipeline-CommonVO** objects	**Definition:** Result of deleting the GitCode pipeline running details. **Value range**: N/A

Table 4-1063 ActionsPipelineCommonVO

Parameter	Type	Description
success	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Example Requests

None

Example Responses

None

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
```

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


public class DeleteActionsRunPipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        DeleteActionsRunPipelineRequest request = new DeleteActionsRunPipelineRequest();
        request.withDomainId("{domain_id}");
        request.withPipelineId("{pipeline_id}");
        request.withPipelineRunId("{pipeline_run_id}");
        try {
            DeleteActionsRunPipelineResponse response = client.deleteActionsRunPipeline(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()
```

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```
    try:
        request = DeleteActionsRunPipelineRequest()
        request.domain_id = "{domain_id}"
        request.pipeline_id = "{pipeline_id}"
        request.pipeline_run_id = "{pipeline_run_id}"
        response = client.delete_actions_run_pipeline(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.DeleteActionsRunPipelineRequest{}
    request.DomainId = "{domain_id}"
    request.PipelineId = "{pipeline_id}"
    request.PipelineRunId = "{pipeline_run_id}"
    response, err := client.DeleteActionsRunPipeline(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

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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 All GitCode Pipelines

Function

This API is used to query all GitCode pipelines.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/{domain_id}/actions/all

Table 4-1064 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-1065 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	Yes	Integer	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A
name	No	String	**Definition:** Pipeline name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
type	No	String	**Definition**: Project ID. For details, see **Obtaining a Project ID**. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-1066 Response body parameters

Parameter	Type	Description
name	String	**Definition**: Extension name. **Value range**: N/A
display_name	String	**Definition**: Extension display name. **Value range**: N/A
creator	String	**Definition**: Extension creator. **Value range**: N/A
type	String	**Definition**: Extension type. **Value range**: N/A
type_name	String	**Definition**: Extension type name. **Value range**: N/A
description	String	**Definition**: Extension description. **Value range**: N/A
refer	Integer	**Definition**: Number of times that an extension is referenced. **Value range**: N/A

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Parameter	Type	Description
favorite	Integer	**Definition**: Number of times that an extension is added to favorites. **Value range**: N/A
icon_url	String	**Definition**: URL of the extension icon. **Value range**: N/A

Example Requests

None

Example Responses

Status code: 200

```
{
  "name" : "Sample Action",
  "display_name" : "Sample Action Display",
  "creator" : "creator123",
  "type" : "custom",
  "type_name" : "Custom Action Type",
  "description" : "This is a sample action for demonstration.",
  "refer" : 1,
  "favorite" : 0,
  "icon_url" : "https://example.com/icon.png"
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.5 Running a GitCode Pipeline

Function

This API is used to run a GitCode pipeline.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/run

Table 4-1067 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-1068 Request body parameters

Parameter	Mandatory	Type	Description
https_url	No	String	**Definition:** Trigger URL. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
file_path	No	String	**Definition:** File storage path. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
file_content	No	String	**Definition:** File details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
branch	No	String	**Definition:** Name of the code source branch. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
encoding	No	String	**Definition:** File encoding mode. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
tag	No	String	**Definition:** Code source tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
commit_id	No	String	**Definition:** Commit ID in code source. **Constraints**: N/A **Value range**: The value contains 40 characters. **Default value**: N/A
access_token	No	String	**Definition:** Token for accessing the code source. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-1069 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v6/5c8305fa19154cabbb7f022a710f0ace/api/pac/pipelines/actions/run

{
  "https_url" : "https://example.com/api/pipeline",
  "file_path" : "/path/to/file",
  "file_content" : "Sample file content goes here.",
  "branch" : "main",
  "encoding" : "UTF-8",
  "tag" : "v1.0.0",
  "commit_id" : "xyz789uvw012",
  "access_token" : "your_access_token_here"
}
```

Example Responses

Status code: 200

```
{
  "pipeline_id" : "pipelineId",
  "pipeline_run_id" : "pipelineRunId"
}
```

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;
```

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```
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;
import com.huaweicloud.sdk.core.exception.ServiceResponseException;
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class RunActionsPipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        RunActionsPipelineRequest request = new RunActionsPipelineRequest();
        request.withDomainId("{domain_id}");
        ActionsManualRunPipelineDTO body = new ActionsManualRunPipelineDTO();
        body.withAccessToken("your_access_token_here");
        body.withCommitId("xyz789uvw012");
        body.withTag("v1.0.0");
        body.withEncoding("UTF-8");
        body.withBranch("main");
        body.withFileContent("Sample file content goes here.");
        body.withFilePath("/path/to/file");
        body.withHttpsUrl("https://example.com/api/pipeline");
        request.withBody(body);
        try {
            RunActionsPipelineResponse response = client.runActionsPipeline(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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.
```

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```
    # 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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = RunActionsPipelineRequest()
        request.domain_id = "{domain_id}"
        request.body = ActionsManualRunPipelineDTO(
            access_token="your_access_token_here",
            commit_id="xyz789uvw012",
            tag="v1.0.0",
            encoding="UTF-8",
            branch="main",
            file_content="Sample file content goes here.",
            file_path="/path/to/file",
            https_url="https://example.com/api/pipeline"
        )
        response = client.run_actions_pipeline(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()
```

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```
    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.RunActionsPipelineRequest{}
    request.DomainId = "{domain_id}"
    accessTokenActionsManualRunPipelineDto:= "your_access_token_here"
    commitIdActionsManualRunPipelineDto:= "xyz789uvw012"
    tagActionsManualRunPipelineDto:= "v1.0.0"
    encodingActionsManualRunPipelineDto:= "UTF-8"
    branchActionsManualRunPipelineDto:= "main"
    fileContentActionsManualRunPipelineDto:= "Sample file content goes here."
    filePathActionsManualRunPipelineDto:= "/path/to/file"
    httpsUrlActionsManualRunPipelineDto:= "https://example.com/api/pipeline"
    request.Body = &model.ActionsManualRunPipelineDto{
        AccessToken: &accessTokenActionsManualRunPipelineDto,
        CommitId: &commitIdActionsManualRunPipelineDto,
        Tag: &tagActionsManualRunPipelineDto,
        Encoding: &encodingActionsManualRunPipelineDto,
        Branch: &branchActionsManualRunPipelineDto,
        FileContent: &fileContentActionsManualRunPipelineDto,
        FilePath: &filePathActionsManualRunPipelineDto,
        HttpsUrl: &httpsUrlActionsManualRunPipelineDto,
    }
    response, err := client.RunActionsPipeline(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**.

4.14.6 Querying GitCode Pipeline Logs

Function

This API is used to query GitCode pipeline logs.

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Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/{pipeline_id}/{pipeline_run_id}/{job_run_id}/logs

Table 4-1070 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A
pipeline_id	Yes	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
pipeline_run_id	Yes	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
job_run_id	Yes	String	**Definition**: Job run ID. Obtain the ID by calling the API for **obtaining the pipeline execution details**. **JobRun.id** indicates job run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-1071 Request body parameters

Parameter	Mandatory	Type	Description
offset	No	Long	**Definition:** Offset where the query starts. **Constraints**: N/A **Value range**: The **offset** value must be no less than 0. **Default value**: N/A
limit	No	Long	**Definition:** Number of records of each query. **Constraints**: N/A **Value range**: The value is no less than **0**. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-1072 Response body parameters

Parameter	Type	Description
has_more	Boolean	**Definition:** Whether there are more logs. **Value range**: • **true**: There are more logs. • **false**: There are no more logs.
end_offset	Integer	**Definition:** Log end offset. **Value range**: N/A

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Parameter	Type	Description
start_offset	Integer	**Definition:** Log start offset. **Value range**: N/A
log	String	**Definition:** Log details. **Value range**: N/A
location	String	**Definition:** Location of a log. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions/
ca5fd6c21a2a454f89613cfa8cf687d5/e6533cbd78ca4b02a1b7b0e1b6428975/
e36cd65545704c45afa8e025b336d3b1/logs

{
  "offset" : 0,
  "limit" : 10
}
```

Example Responses

Status code: 200

```
{
  "has_more" : true,
  "end_offset" : 10,
  "start_offset" : 0,
  "log" : "This is a sample log message."
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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4.14.7 Retrying Running a GitCode Pipeline

Function

This API is used to retry running a GitCode pipeline.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/rerun

Table 4-1073 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-1074 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_id	No	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
pipeline_run_id	No	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A
access_token	No	String	**Definition:** Authentication token. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-1075 Response body parameters

Parameter	Type	Description
pipeline_id	String	**Definition**: Pipeline ID. Obtain the ID by calling the API for **querying pipelines**. **pipelines.pipelineId** indicates the pipeline ID. **Value range**: The value consists of 32 characters, including only digits and letters.
pipeline_run_id	String	**Definition**: Pipeline run ID. The return value of the API for **running a pipeline** is the pipeline run ID. **Value range**: The value consists of 32 characters, including only digits and letters.

Example Requests

```
POST https://{endpoint}/v6/377c73ff41d54a5fb117b88ec0a60a33/api/pac/pipelines/actions/rerun

{
  "pipeline_id" : "12345",
  "pipeline_run_id" : "67890",
  "access_token" : "abcde12345xyz"
}
```

Example Responses

Status code: 200

```
{
  "pipeline_run_id" : "aeb40413c5444bdcbbf7a060873af7a7",
  "pipeline_id" : "aeb40413c5444bdcbbf7a060873af7a7"
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;
```

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```
public class RetryRunActionsPipelineSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        RetryRunActionsPipelineRequest request = new RetryRunActionsPipelineRequest();
        request.withDomainId("{domain_id}");
        ActionsReRunPipelineDTO body = new ActionsReRunPipelineDTO();
        body.withAccessToken("abcde12345xyz");
        body.withPipelineRunId("67890");
        body.withPipelineId("12345");
        request.withBody(body);
        try {
            RetryRunActionsPipelineResponse response = client.retryRunActionsPipeline(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
```

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```
        .build()

    try:
        request = RetryRunActionsPipelineRequest()
        request.domain_id = "{domain_id}"
        request.body = ActionsReRunPipelineDTO(
            access_token="abcde12345xyz",
            pipeline_run_id="67890",
            pipeline_id="12345"
        )
        response = client.retry_run_actions_pipeline(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.RetryRunActionsPipelineRequest{}
    request.DomainId = "{domain_id}"
    accessTokenActionsReRunPipelineDto:= "abcde12345xyz"
    pipelineRunIdActionsReRunPipelineDto:= "67890"
    pipelineIdActionsReRunPipelineDto:= "12345"
    request.Body = &model.ActionsReRunPipelineDto{
        AccessToken: &accessTokenActionsReRunPipelineDto,
```

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```
        PipelineRunId: &pipelineRunIdActionsReRunPipelineDto,
        PipelineId: &pipelineIdActionsReRunPipelineDto,
    }
    response, err := client.RetryRunActionsPipeline(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**.

4.14.8 Querying GitCode Pipeline Execution Records

Function

This API is used to query GitCode pipeline execution records.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions

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Table 4-1076 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-1077 Request body parameters

Parameter	Mandatory	Type	Description
page	No	Long	**Definition:** Page number for pagination query. **Constraints**: N/A **Value range**: The value is greater than **0**. **Default value**: N/A
page_size	No	String	**Definition:** Number of records on each page. **Constraints**: N/A **Value range**: The value is fixed at **20**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
https_url	Yes	String	**Definition:** Code source address. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
pipeline_name	No	String	**Definition:** Pipeline name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
file_path	No	String	**Definition:** File path. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
pipeline_run_name	No	String	**Definition:** Name of the pipeline operator. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
event	No	String	**Definition:** Pipeline trigger type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
actor	No	String	**Definition:** Pipeline creator name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
branch	No	String	**Definition:** Code source branch. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
status	No	String	**Definition:** Pipeline running status. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-1078 Response body parameters

Parameter	Type	Description
offset	Integer	**Definition**: Query offset.
limit	Integer	**Definition**: Page size.
total	Long	**Definition:** Total number of queried pipelines. **Value range**: N/A
success_times	Long	**Definition**: Number of pipelines that are successfully executed. **Value range**: N/A
failed_times	Long	**Definition**: Number of pipelines that fail to run. **Value range**: N/A
pipeline_runs	Array of **PipelineRunActions** objects	**Definition**: Pipeline execution history. **Value range**: N/A

Table 4-1079 PipelineRunActions

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: N/A
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: N/A

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Parameter	Type	Description
actor	String	**Definition:** Pipeline operator. **Value range**: N/A
pipeline_name	String	**Definition:** Pipeline name. **Value range**: N/A
status	String	**Definition:** Pipeline running status. **Value range**: N/A
run_number	String	**Definition:** Pipeline run ID. **Value range**: N/A
event	String	**Definition:** Pipeline trigger type. **Value range**: N/A
branch	String	**Definition:** Code source branch. **Value range**: N/A
start_time	String	**Definition:** Time when the pipeline starts to be executed. **Value range**: N/A
end_time	String	**Definition:** Time when the pipeline stops running. **Value range**: N/A

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Parameter	Type	Description
commit_id	String	**Definition:** Commit record of the code source. **Value range**: The value contains 40 characters.
pipeline_run_name	String	**Definition:** Name of the pipeline operator. **Value range**: N/A
https_url	String	**Definition**: Pipeline link. **Value range**: N/A
file_path	String	**Definition**: YAML file path. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions

{
  "https_url" : "https://example.com/pipeline/runs",
  "pipeline_name" : "MyPipeline",
  "file_path" : "/path/to/file",
  "pipeline_run_name" : "Run_2023_09_15",
  "event" : "push",
  "actor" : "username123",
  "branch" : "main",
  "status" : "success"
}
```

Example Responses

Status code: 200

```
{
  "total" : 100,
  "offset" : 0,
  "limit" : 10,
  "success_times" : 75,
  "failed_times" : 25,
  "pipeline_runs" : [ {
    "pipeline_id" : "pipeline_001",
    "pipeline_run_id" : "run_001",
    "actor" : "user123",
    "pipeline_name" : "Main Pipeline",
    "status" : "success",
    "run_number" : "1",
    "event" : "commit",
```

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```
  "branch" : "main",
  "start_time" : "2023-09-15T12:00:00Z",
  "end_time" : "2023-09-15T12:30:00Z",
  "commit_id" : "abc123def456",
  "pipeline_run_name" : "Run on main branch",
  "https_url" : "https://example.com/pipeline/run/1",
  "file_path" : "/path/to/file"
 } ]
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;


public class ListActionsPipelineRunsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListActionsPipelineRunsRequest request = new ListActionsPipelineRunsRequest();
        request.withDomainId("{domain_id}");
        ActionsPipelineRunsQueryDTO body = new ActionsPipelineRunsQueryDTO();
        body.withStatus("success");
        body.withBranch("main");
        body.withActor("username123");
        body.withEvent("push");
        body.withPipelineRunName("Run_2023_09_15");
        body.withFilePath("/path/to/file");
        body.withPipelineName("MyPipeline");
        body.withHttpsUrl("https://example.com/pipeline/runs");
        request.withBody(body);
        try {
            ListActionsPipelineRunsResponse response = client.listActionsPipelineRuns(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
```

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```
            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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListActionsPipelineRunsRequest()
        request.domain_id = "{domain_id}"
        request.body = ActionsPipelineRunsQueryDTO(
            status="success",
            branch="main",
            actor="username123",
            event="push",
            pipeline_run_name="Run_2023_09_15",
            file_path="/path/to/file",
            pipeline_name="MyPipeline",
            https_url="https://example.com/pipeline/runs"
        )
        response = client.list_actions_pipeline_runs(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"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"
)

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
```

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```
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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListActionsPipelineRunsRequest{}
    request.DomainId = "{domain_id}"
    statusActionsPipelineRunsQueryDto:= "success"
    branchActionsPipelineRunsQueryDto:= "main"
    actorActionsPipelineRunsQueryDto:= "username123"
    eventActionsPipelineRunsQueryDto:= "push"
    pipelineRunNameActionsPipelineRunsQueryDto:= "Run_2023_09_15"
    filePathActionsPipelineRunsQueryDto:= "/path/to/file"
    pipelineNameActionsPipelineRunsQueryDto:= "MyPipeline"
    request.Body = &model.ActionsPipelineRunsQueryDto{
        Status: &statusActionsPipelineRunsQueryDto,
        Branch: &branchActionsPipelineRunsQueryDto,
        Actor: &actorActionsPipelineRunsQueryDto,
        Event: &eventActionsPipelineRunsQueryDto,
        PipelineRunName: &pipelineRunNameActionsPipelineRunsQueryDto,
        FilePath: &filePathActionsPipelineRunsQueryDto,
        PipelineName: &pipelineNameActionsPipelineRunsQueryDto,
        HttpsUrl: "https://example.com/pipeline/runs",
    }
    response, err := client.ListActionsPipelineRuns(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.

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.9 Updating the GitCode pipeline action

Function

This API is used to update the GitCode pipeline action.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/yml-register

Table 4-1080 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Request Parameters

Table 4-1081 Request body parameters

Parameter	Mandatory	Type	Description
yaml_file_list	No	Array of **ActionsWorkflowYamlChangedDTO** objects	**Definition:** Updated action details. **Value range**: N/A

Table 4-1082 ActionsWorkflowYamlChangedDTO

Parameter	Mandatory	Type	Description
type	No	String	**Definition:** Operation type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
https_url	No	String	**Definition:** Code source address. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
repo_id	No	String	**Definition:** Repo code repository ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
old_file_path	No	String	**Definition:** Path of the old file. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
new_file_path	No	String	**Definition:** Path of the new file. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
file_content	No	String	**Definition:** File details. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
encoding	No	String	**Definition:** File code. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
default_branch	No	String	**Definition:** Default branch of the code source. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
file_commit_id	No	String	**Definition:** File submission record ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-1083 Response body parameters

Parameter	Type	Description
success	Boolean	**Definition:** Whether the calling is successful. **Value range**: • **true**: The calling is successful. • **false**: The calling fails.

Example Requests

```
POST https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions/yml-register

{
  "yaml_file_list" : [ {
    "type" : "example_type",
    "https_url" : "https://example.com",
    "repo_id" : "12345",
    "old_file_path" : "/path/to/old/file.yaml",
    "new_file_path" : "/path/to/new/file.yaml",
    "file_content" : "content of the file",
```

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```
    "encoding" : "UTF-8",
    "default_branch" : "main",
    "file_commit_id" : "abc123"
  } ]
}
```

Example Responses

Status code: 200

```
{
  "success" : true
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.10 Querying GitCode Pipeline Events

Function

This API is used to query GitCode pipeline events.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/events

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Table 4-1084 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-1085 Request body parameters

Parameter	Mandatory	Type	Description
https_url	Yes	String	**Definition:** Address of the code source repository. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-1086 Response body parameters

Parameter	Type	Description
events	Array of strings	**Definition:** Trigger type list. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions/events

{
  "https_url" : "https://example.com"
}
```

Example Responses

Status code: 200

```
{
  "events" : [ "Push" ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.11 Querying the GitCode Pipeline Operator

Function

This API is used to query the GitCode pipeline operator.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/actors

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Table 4-1087 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-1088 Request body parameters

Parameter	Mandatory	Type	Description
https_url	Yes	String	**Definition:** Address of the code source repository. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-1089 Response body parameters

Parameter	Type	Description
actors	Array of strings	**Definition:** List of users who trigger the pipeline. **Value range**: N/A

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Example Requests

```
POST https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions/actors

{
  "https_url" : "https://example.com"
}
```

Example Responses

Status code: 200

```
{
  "actors" : [ "actor1" ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.12 Querying the GitCode Pipeline Action List

Function

This API is used to query the GitCode pipeline action list.

Calling Method

For details, see **Calling APIs**.

URI

POST /v6/{domain_id}/api/pac/pipelines/actions/list

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Table 4-1090 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

Request Parameters

Table 4-1091 Request body parameters

Parameter	Mandatory	Type	Description
pipeline_run_ids	No	Array of strings	**Definition:** Pipeline run ID list. **Constraints**: N/A **Value range**: The value consists of 32 characters, including only digits and letters. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-1092 Response body parameters

Parameter	Type	Description
pipeline_runs	Array of **PipelineRunActions** objects	**Definition:** List of pipeline running details. **Value range**: N/A

Table 4-1093 PipelineRunActions

Parameter	Type	Description
pipeline_id	String	**Definition:** Pipeline ID. **Value range**: N/A
pipeline_run_id	String	**Definition:** Pipeline run ID. **Value range**: N/A
actor	String	**Definition:** Pipeline operator. **Value range**: N/A
pipeline_name	String	**Definition:** Pipeline name. **Value range**: N/A
status	String	**Definition:** Pipeline running status. **Value range**: N/A
run_number	String	**Definition:** Pipeline run ID. **Value range**: N/A

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Parameter	Type	Description
event	String	**Definition:** Pipeline trigger type. **Value range**: N/A
branch	String	**Definition:** Code source branch. **Value range**: N/A
start_time	String	**Definition:** Time when the pipeline starts to be executed. **Value range**: N/A
end_time	String	**Definition:** Time when the pipeline stops running. **Value range**: N/A
commit_id	String	**Definition:** Commit record of the code source. **Value range**: The value contains 40 characters.
pipeline_run_name	String	**Definition:** Name of the pipeline operator. **Value range**: N/A
https_url	String	**Definition**: Pipeline link. **Value range**: N/A
file_path	String	**Definition**: YAML file path. **Value range**: N/A

Example Requests

```
POST https://{endpoint}/v6/93b9fc6ffc6a4edc9ab049c1f0dbec4b/api/pac/pipelines/actions/list
```

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```
{
  "pipeline_run_ids" : [ "e24768bea13142aba5705538ce7461dc" ]
}
```

Example Responses

Status code: 200

```
{
  "pipeline_runs" : {
    "pipeline_id" : "pipeline_123",
    "pipeline_run_id" : "run_456",
    "actor" : "user_name",
    "pipeline_name" : "example_pipeline",
    "status" : "success",
    "run_number" : "1",
    "event" : "push",
    "branch" : "main",
    "start_time" : 1742440405000,
    "end_time" : 1742440405000,
    "commit_id" : "commit_789",
    "pipeline_run_name" : "Run #1",
    "https_url" : "https://example.com/pipeline/run/456",
    "file_path" : "/path/to/pipeline.yaml"
  }
}
```

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.codeartspipeline.v2.region.CodeArtsPipelineRegion;
import com.huaweicloud.sdk.codeartspipeline.v2.*;
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;

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

public class ListActionsPipelineRunsByRunIdsSolution {

    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);

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
                .withCredential(auth)
                .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
                .build();
        ListActionsPipelineRunsByRunIdsRequest request = new ListActionsPipelineRunsByRunIdsRequest();
```

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```
        request.withDomainId("{domain_id}");
        ActionsPipelineRunsPollingQueryDTO body = new ActionsPipelineRunsPollingQueryDTO();
        List<String> listbodyPipelineRunIds = new ArrayList<>();
        listbodyPipelineRunIds.add("e24768bea13142aba5705538ce7461dc");
        body.withPipelineRunIds(listbodyPipelineRunIds);
        request.withBody(body);
        try {
            ListActionsPipelineRunsByRunIdsResponse response =
client.listActionsPipelineRunsByRunIds(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 huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.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 = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \
        .build()

    try:
        request = ListActionsPipelineRunsByRunIdsRequest()
        request.domain_id = "{domain_id}"
        listPipelineRunIdsbody = [
            "e24768bea13142aba5705538ce7461dc"
        ]
        request.body = ActionsPipelineRunsPollingQueryDTO(
            pipeline_run_ids=listPipelineRunIdsbody
        )
        response = client.list_actions_pipeline_runs_by_run_ids(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

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Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/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, err := basic.NewCredentialsBuilder().
        WithAk(ak).
        WithSk(sk).
        SafeBuild()

    if err != nil {
        fmt.Println(err)
        return
    }

    hcClient, err := codeartspipeline.CodeArtsPipelineClientBuilder().
         WithRegion(region.ValueOf("<YOUR REGION>")).
         WithCredential(auth).
         SafeBuild()


    if err != nil {
        fmt.Println(err)
        return
    }

    client := codeartspipeline.NewCodeArtsPipelineClient(hcClient)

    request := &model.ListActionsPipelineRunsByRunIdsRequest{}
    request.DomainId = "{domain_id}"
    var listPipelineRunIdsbody = []string{
        "e24768bea13142aba5705538ce7461dc",
    }
    request.Body = &model.ActionsPipelineRunsPollingQueryDto{
        PipelineRunIds: &listPipelineRunIdsbody,
    }
    response, err := client.ListActionsPipelineRunsByRunIds(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.

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Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

4.14.13 Querying Action Details of a GitCode Pipeline

Function

This API is used to query action details of a GitCode pipeline.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/{domain_id}/actions/detail

Table 4-1094 Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	**Definition**: Tenant ID, that is, domain ID of a user. **Constraints**: N/A **Range**: The value consists of 32 characters, including digits and letters. **Default value**: N/A

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Table 4-1095 Query Parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition:** Extension name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
version	No	String	**Definition:** Extension version. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-1096 Response body parameters

Parameter	Type	Description
vision_content	Array of **vision_content** objects	**Definition**: Extension details. **Value range**: N/A
vision_list	Array of strings	**Definition**: Version list. **Value range**: N/A

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Table 4-1097 vision_content

Parameter	Type	Description
version	String	**Definition**: Extension version number. **Value range**: N/A
sample	String	**Definition**: Sample code in YAML format. **Value range**: N/A
readme	String	**Definition**: README of an extension. **Value range**: N/A

Example Requests

```
GET https://{endpoint}/v3/93b9fc6ffc6a4edc9ab049c1f0dbec4b/actions/detail
```

Example Responses

Status code: 200

```
{
  "vision_content" : [ {
    "version" : "1.0",
    "sample" : "example: true",
    "readme" : "Initial version with basic setup"
  }, {
    "version" : "1.1",
    "sample" : "example: false",
    "readme" : "Minor updates with new features"
  } ],
  "vision_list" : [ "vision_one", "vision_two" ]
}
```

Status Codes

Status Code	Description
200	OK

Error Codes

See **Error Codes**.

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5 Application Examples

5.1 Example 1: Executing a Pipeline

Scenario

This section shows how to execute pipeline tasks by using APIs.

For details about how to call APIs, see **Calling APIs**.

Constraints

A pipeline task to be executed has been created in CodeArts Pipeline.

Involved APIs

Use request parameters such as the user token and pipeline ID to **start a pipeline**.

Procedure

Step 1 Execute a pipeline task.

- API information

  URI: POST /v3/pipelines/{pipeline_id}/start

  For details about this API, visit **Starting a Pipeline**.

- Example request

  ```
  POST  https://cloudpipeline-ext.ap-southeast-3.myhuaweicloud.com/v3/pipelines/{pipeline_id}/start
  ```

- Example request body

  ```
  {}
  ```

- Example response

  ```
  {
     "build_id": "xxx",
     "pipeline_id": "824e784b3f43492e99152a....."
  }
  ```

----End

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5.2 Example 2: Stopping a Pipeline

Scenario

This section shows how to stop a pipeline task by pipeline ID by using APIs.

For details about how to call APIs, see **Calling APIs**.

Constraints

A pipeline exists and is being executed.

Involved APIs

Use the user token and pipeline ID to **stop a pipeline**.

Procedure

Step 1 Query the build tasks in a specified project.

- API information

  URI: POST /v3/pipelines/stop

  For details about this API, visit **Stopping a Pipeline**.

- Example request

```
https://cloudpipeline-ext.ap-southeast-3.myhuaweicloud.com/v3/pipelines/stop?
pipeline_id=824e784b3f43492e99152a.....
```

- Example request body

```
{}
```

- Example response

```
{
    "result": {
        "name": "pipeline-test",
        "pipelineId": "e9bdc806955e48368e3ecbcdf2...."
    },
    "error": null,
    "status": "success"
}
```

----End

5.3 Example 3: Obtain the Pipeline Status

Scenario

This section shows how to obtain a pipeline status by using APIs.

For details about how to call APIs, see **Calling APIs**.

Constraints

A pipeline task has been created in CodeArts Pipeline.

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Involved APIs

Use request parameters such as the user token and pipeline ID to **obtain the pipeline status**.

Procedure

Step 1 Query the pipeline task execution status.

- API information

  URI: POST v3/pipelines/{pipeline_id}/status

  For details about this API, visit **Obtaining the Pipeline Status**.

- Example request

```
GET https://cloudpipeline-ext.ap-southeast-3.myhuaweicloud.com/v3/pipelines/{pipeline_id}/status
```

- Example response

```
{
  "executor": "xxx",
  "status": "completed",
  "outcome": "success",
  "parameters": [
    {
      "name": "serviceName",
      "value": "Test"
    },
    {
      "name": "codeBranch",
      "value": "master"
    },
    {
      "name": "releaseVersion",
      "value": "1.0.0"
    }
  ],
  "states": [
    {
      "id": "state_3",
      "name": "Source code",
      "type": "stage",
      "status": "completed",
      "outcome": "success",
      "children": [],
      "start_time": "2020-09-01 17:13:18",
      "end_time": "2020-09-01 17:13:18",
      "elapsed_time": "0"
    },
    {
      "id": "state_4",
      "name": "Build",
      "type": "stage",
      "status": "completed",
      "outcome": "success",
      "children": [
        {
          "id": "Task_1",
          "name": "Default task",
          "type": "task",
          "status": "completed",
          "outcome": "success",
          "start_time": "2020-09-01 17:13:18",
          "end_time": "2020-09-01 17:16:22",
          "elapsed_time": "183",
          "error_code": null,
          "error_msg": null,
          "detail_url": null
        }
```

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```
            ],
            "start_time": "2020-09-01 17:13:18",
            "end_time": "2020-09-01 17:16:22",
            "elapsed_time": "183"
        },
        {
            "id": "state_5",
            "name": "Release repo",
            "type": "stage",
            "status": "completed",
            "outcome": "success",
            "children": [],
            "start_time": "2020-09-01 17:16:22",
            "end_time": "2020-09-01 17:16:22",
            "elapsed_time": "0"
        }
    ],
    "pipeline_id": "824e784b3f43492e99152a4....",
    "pipeline_name": "pipeline_test",
    "build_id": "xxxx",
    "start_time": "2020-09-01 17:13:18",
    "end_time": "2020-09-01 17:16:22",
    "elapsed_time": "184",
    "detail_url": "https://xxxxxx/pipeline/detail/824e784b3f43492e99152a....."
}
```


----End

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6 Appendixes

6.1 Status Code

Table 6-1 Status code

Status Code	Message	Description
100	Continue	The client should continue with its request. This interim response is used to inform the client that the initial part of the request has been received and has not yet been rejected by the server.
101	Switching Protocols	Switch protocols. A protocol can only be switched to an 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.

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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 not repeat the request without modifications.
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.

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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 request timed out. The client may re-initiate the request without modifications at any time later.
409	Conflict	The request cannot be processed due to a conflict. This status code indicates that the resource that the client attempts to create already exits, or the request fails to be processed because of the update of the conflict request.
410	Gone	The requested resource cannot be found. This status code indicates that the requested resource has been deleted permanently.
411	Length Required	The server refused to process the request because the request does not specify the length of its content.
412	Precondition Failed	The server does not meet one of the preconditions that the requester puts on the request.
413	Request Entity Too Large	The server refuses to process a request because the request is too large. The server may disable the connection to prevent the client from sending requests consecutively. If the server temporarily cannot process the request, the response will contain a **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 respond due to semantic errors.

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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.

6.2 Error Code

If an error occurs in API calling and no result is returned, you can locate the cause based on the error code of each API. If an error occurs during API calling, HTTP status code 4xx or 5xx is returned. The returned message body contains the specific error code and error information. If you are unable to identify the cause of an error, contact customer service and provide the error code so that we can help you solve the problem as soon as possible.

Error Response Body Format

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

```
{
   "error_msg": "Insufficient permission",
   "error_code": "DEVCP.00014031"
}
```

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

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Error Code Description

If an error code starting with **APIGW** is returned after you call an API, rectify the fault by referring to the instructions provided in **Error Codes**.

Status Code	Error Code	Error Message	Description	Solution
200	DEVCP.00014031	Insufficient permissions.	Insufficient permissions to create a pipeline.	Check whether you have the permission to create a pipeline.
200	DEVCP.00012002	The related record does not exist in the database.	instanceId does not exist in the database.	Check whether the request parameter instanceId is correct.
500	DEVCP.00010000	Unknown service error.	System internal error.	Contact the administrator.
200	DEVCP.00014004	Invalid parameter.	Invalid request parameter or request body format.	Check the request parameters or request body.
400	DEVCP.00021400	Incorrect settings. Please check.	Incorrect settings. Please check.	Check whether the request parameter is correct or invalid.
400	DEVCP.00021008	The service template is not supported.	The service template is not supported.	Check whether the parameters are correctly specified.
400	DEVCP.00021006	Template not found.	The template does not exist in the database.	Check whether the template ID is correct.
401	DEVCP.00021018	The user was not authorized to perform the operation.	The user does not have the creation permissions.	Check whether the user has the creation permission.
500	DEVCP.00020500	Network busy. Try again later.	The system is abnormal.	Contact the administrator.
500	COCT.0070003	Frequent access. Please wait.	Frequent access. Please wait.	Frequent access. Please wait.
500	COCT.0070500	Network busy. Try again later.	Network busy. Try again later.	Network busy. Try again later.
400	COCT.0070026	This agent already exists. Check the status.	This agent already exists. Check the status.	This agent already exists. Check the status.

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Status Code	Error Code	Error Message	Description	Solution
404	COCT.0070010	The resource pool not found.	The resource pool selected for the registered agent does not exist.	The resource pool selected for the registered agent does not exist. Check whether the resource pool exists.
404	COCT.0070040	The current agent version is not the latest.	The current agent version is not the latest.	The current agent version is not the latest.
401	COCT.0070009	Insufficient permissions.	The selected resource pool does not have the operation permission. Contact the resource pool administrator to add the permission.	The selected resource pool does not have the operation permission. Contact the resource pool administrator to add the permission.
400	COCT.0070037	Invalid label.	Invalid label.	The label parameter is invalid. Enter a valid value.
500	COCT.0070006	Failed to register the agent. Try again later.	Failed to register the agent. Try again later.	Failed to register the agent. Try again later.
400	COCT.0070026	This agent already exists. Check the status.	The registered agent already exists. Check it in the resource pool.	The registered agent already exists. Check it in the resource pool.
400	COCT.0070038	The maximum number of pools of the account has been reached.	The maximum number of pools of the account has been reached.	The number of resource pools of the tenant exceeds the maximum number. Check the number of resource pools of the current tenant.
400	COCT.0070039	The maximum number of agents in the pool has been reached.	The maximum number of agents in the pool has been reached.	Check the number of agents in the current resource pool.

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Status Code	Error Code	Error Message	Description	Solution
500	COCT.0070008	Failed to delete the agent.	Failed to delete the agent.	Check whether the agent does not exist.
500	COCT.0070019	Failed to access the cluster control.	Failed to access the CC service. Try again later.	Failed to access the CC service. Try again later.
400	COCT.0070400	The pool ID can contain 32 characters that consist of digits and letters.	The pool ID can contain 32 characters that consist of digits and letters.	The resource pool ID can contain only 32 characters that consist of digits and letters.
400	COCT.0070400	The agent name can contain 1 to 50 characters that consist of digits, letters, dots (.), underscores (_), and hyphens (-).	The agent name can contain 1 to 50 characters that consist of digits, letters, dots (.), underscores (_), and hyphens (-).	The agent name can contain 1 to 50 characters that consist of digits, letters, dots (.), underscores (_), and hyphens (-). Enter a correct value.
404	COCT.0070007	The agent has been deleted and does not exist.	The agent has been deleted and does not exist.	The agent has been deleted and does not exist. Please check.
400	COCT.0070021	The agent is offline. Register it again.	The agent is offline. Register it again.	The agent is offline. Register it again.
200	DEVPIPE.00011104	The maximum number of concurrent executions in a single pipeline is {0}.	The maximum number of concurrent executions in a single pipeline is {0}.	The maximum number of concurrent executions in a single pipeline is {0}.
200	DEVPIPE.00011105	The maximum number of concurrent pipeline executions of a tenant is {0}.	The maximum number of concurrent pipeline executions of a tenant is {0}.	The maximum number of concurrent pipeline executions of a tenant is {0}.
200	DEVPIPE.00011127	The system is busy. Try again later.	The system is busy. Try again later.	Contact the administrator.

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Status Code	Error Code	Error Message	Description	Solution
200	DEVPIPE.00011129	The selected task cannot be empty.	The selected task cannot be empty.	Check whether the task parameters are correct.
200	DEVPIPE.00011132	The selected task does not exist.	The selected task does not exist.	The selected task does not exist.
200	DEVPIPE.00011301	No permission.	No permission.	Check whether you have the permission required to perform this operation.
200	DEVPIPE.00011401	Pipeline does not exist.	Pipeline does not exist.	Pipeline does not exist.
200	DEVPIPE.00011408	Pipeline is running.	The pipeline is running and cannot be deleted.	Wait until the running is complete.

6.3 Obtaining a Project ID

6.3.1 Obtaining a CodeArts Project ID

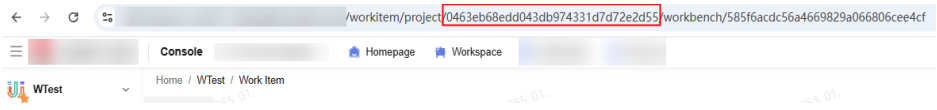
Obtaining a Project ID from a URL

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 **Go to Workspace** in the upper right corner to access the CodeArts workspace.

Step 4 Go to the specified project. In the following figure, the content in the red box is the CodeArts project ID.



----End

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6.3.2 Obtaining an IAM Project ID

Obtaining a Project ID by Calling an API

A project ID can be obtained by calling a specific API. For details, see **Querying Project Information**.

The API used to obtain a project ID is **GET https://*{Endpoint}*/v4/projects/**, where *{Endpoint}* indicates the Req endpoint. You can obtain the Req endpoint from **Regions and Endpoints**. For details about API authentication, see **Authentication**.

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


```
{
  "projects" : [ {
    "project_num_id" : 3183801,
    "project_id" : "41bd3eab86544863b8fc92ffcd35e3c8",
    "project_name" : "demo_project",
    "description" : "demo",
    "created_time" : 1576114296000,
    "updated_time" : 1576114296000,
    "project_type" : "xboard",
    "creator" : {
      "user_num_id" : 4097,
      "user_id" : "c4bd39f0573a436589714bedbcca8536",
      "user_name" : "modile_user",
      "domain_id" : "2489d8cbba804db8bcd35384685ff3ac",
      "domain_name" : "modile_user",
      "nick_name" : "Tom.M.Riddle"
    }
  } ],
  "total" : 10
}
```

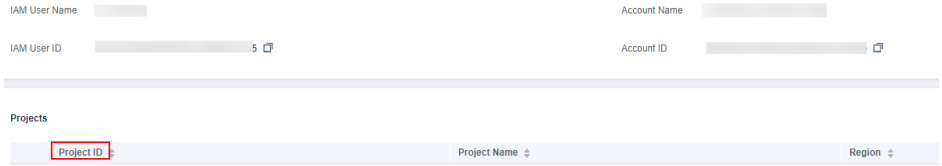

Obtaining an IAM Project ID from the Console

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

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

   On the **API Credentials** page, view the project ID in the project list.

   Figure 6-1 Viewing an IAM project ID



6.4 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:

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1. Log in to the management console.
2. Hover over the username in the upper right corner and choose **My Credentials** from the drop-down list.
3. Choose **My Credentials** > **API Credentials** to view the account ID.

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7 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

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