

**CodeArts Pipeline**

# **API Reference**

**Issue**            01  
**Date**             2023-11-30



**Copyright © Huawei Technologies Co., Ltd. 2023. All rights reserved.**

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

## **Trademarks and Permissions**



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

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

## **Notice**

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

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

# Security Declaration

## Vulnerability

Huawei's regulations on product vulnerability management are subject to "Vul. Response Process". For details about the policy, see the following website:<https://www.huawei.com/en/psirt/vul-response-process>  
For enterprise customers who need to obtain vulnerability information, visit:<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

---

# Contents

---

<b>1 Before You Start.....</b>	<b>1</b>
1.1 Overview.....	1
1.2 Calling Method.....	1
1.3 Endpoints.....	1
1.4 Constraints.....	2
1.5 Concepts.....	2
<b>2 API Overview.....</b>	<b>4</b>
<b>3 Calling APIs.....</b>	<b>5</b>
3.1 Making an API Request.....	5
3.2 Authentication.....	8
3.3 Response.....	10
<b>4 API.....</b>	<b>12</b>
4.1 Template management.....	12
4.1.1 Listing Templates.....	12
4.1.2 Creating a Pipeline Template.....	16
4.1.3 Querying Template Details.....	19
4.1.4 Updating a Pipeline Template.....	22
4.1.5 Deleting a Pipeline Template.....	26
4.2 Pipeline Management.....	28
4.2.1 Execute Pipeline.....	28
4.2.2 Obtaining Pipeline Status in Batches.....	31
4.2.3 Obtaining the Pipeline Status/Obtaining Pipeline Execution Details.....	35
4.2.4 Obtaining the Pipeline List/Obtaining the Pipeline Execution Status of a Project.....	43
4.2.5 Deleting a Pipeline.....	49
4.2.6 Stopping a Pipeline.....	50
4.2.7 Obtaining Pipeline Execution Records.....	52
4.2.8 Creating a Pipeline Using a Template.....	56
4.2.9 Creates a pipeline.....	60
4.2.10 Re-trial Run Pipeline.....	65
4.2.11 Pass the manual review.....	67
4.2.12 Reject to Manual Review.....	68
4.2.13 Querying Pipeline Logs.....	69

4.3 Manage by group.....	72
4.3.1 Creating a Pipeline Group.....	72
4.3.2 Updating a Pipeline Group.....	74
4.3.3 Deleting a Pipeline Group.....	76
4.3.4 Querying the Pipeline Group Tree.....	78
4.3.5 Move pipelines to a group in batches.....	82
4.4 Rule Management.....	85
4.4.1 Obtaining Details About a Single Rule.....	85
4.4.2 Obtaining the Rule List by Page.....	89
4.4.3 Updating a rule.....	93
4.4.4 Deleting rules.....	96
4.4.5 Creating a rule.....	99
4.5 Tenant-level policy management.....	102
4.5.1 Creating a Ruleset.....	102
4.5.2 Modify Rule Set.....	104
4.5.3 Obtaining Rule Set Details.....	107
4.5.4 Obtaining the Rule Set List.....	111
4.5.5 Deleting a Ruleset.....	114
4.5.6 Switch Rule Set.....	116
4.6 Project-level policy management.....	118
4.6.1 Obtaining the Project-Level Policy List.....	118
4.6.2 Querying Details About a Project-Level Policy.....	121
4.7 Tenant-level open source governance policy management.....	126
4.7.1 Creating a Tenant-Level Open Source Governance Policy.....	126
4.7.2 Modifying a Tenant-Level Open Source Governance Policy.....	130
4.7.3 Querying Details About a Tenant-Level Open Source Governance Policy.....	135
4.7.4 Querying the Tenant-Level Open Source Governance Policy List.....	140
4.7.5 Deleting a Tenant-Level Open Source Governance Policy.....	143
4.7.6 Changing the Enabling Status of a Tenant-Level Open Source Governance Policy.....	145
4.8 Project-level open source governance policy management.....	147
4.8.1 Querying Details About a Project-Level Open Source Governance Policy.....	147
4.8.2 Querying the Project-Level Open Source Governance Policy List.....	152
4.9 Extension Plug-in Management.....	155
4.9.1 Creating a Plug-in Version.....	155
4.9.2 Creating a Plug-in Draft Version.....	158
4.9.3 Creating a publisher.....	161
4.9.4 Update Plug-in Draft.....	163
4.9.5 Releasing a Plug-in Draft.....	166
4.9.6 Updating Basic Plug-in Information.....	168
4.9.7 Releasing a Plug-in.....	170
4.9.8 Binding a Plug-in to a Publisher.....	172
4.9.9 Updating the Plug-in Icon.....	174

4.9.10 Updating the Publisher Icon.....	176
4.9.11 Deleting a Plug-in Draft.....	177
4.9.12 Querying the Publisher List.....	179
4.9.13 Querying Available Publishers.....	183
4.9.14 Querying the List of Optional Plug-ins.....	185
4.9.15 Querying the Basic Plug-in List.....	190
4.9.16 Querying the List of Optional Plug-ins in Pagination Mode.....	193
4.9.17 Listing add-ons.....	198
4.9.18 Query Plug-in Indicator Configuration.....	202
4.9.19 Query Plug-in Input Configuration.....	206
4.9.20 Query Plug-in Output Configuration.....	209
4.9.21 Querying All Plug-in Version Information.....	212
4.9.22 Querying Plug-in Version Details.....	216
4.9.23 Querying the Plug-in Version.....	219
4.9.24 Deleting a publisher.....	221
4.9.25 Querying Publisher Details.....	223
4.9.26 Creating a Basic Plug-in.....	226
4.9.27 Updating Basic Plug-ins.....	228
4.9.28 Deleting a Basic Plug-in.....	230
4.9.29 Uploading Basic Plug-ins.....	232
4.9.30 Querying Basic Plug-in Details.....	234
<b>5 Appendixes.....</b>	<b>239</b>
5.1 Status Code.....	239
5.2 Error Code.....	242
5.3 Obtaining a Project ID.....	246
5.4 Obtaining an Account ID.....	247
<b>6 Change History.....</b>	<b>248</b>

# 1 Before You Start

---

## 1.1 Overview

CodeArts Pipeline enables you to visualize and customize your delivery, improving efficiency and quality.

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](#).

If you plan to access a pipeline from an API, ensure that you are familiar with pipeline concepts.

## 1.2 Calling Method

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

## 1.3 Endpoints

An endpoint is the **request address** for calling an API. Endpoints vary depending on services and regions. For the endpoints of CodeArts Pipeline, see [Table 1-1](#). Select a desired one based on the service requirements.

**Table 1-1** Pipeline Endpoint

Region Name	Region	Endpoint	Protocol
EU-Dublin	eu-west-101	pipeline-external.eu-west-101.myhuaweicloud.eu	HTTPS

## 1.4 Constraints

For details, see API description.

## 1.5 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 and can use cloud services. Each IAM user has its own identity credentials (password and access keys).

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

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

Regions are classified into universal regions and dedicated regions.

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

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

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 support cross-AZ high-availability systems.
- **Project**

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

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



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

# 2 API Overview

**Table 2-1** API description

Category	API
<b>Template management</b>	APIs for querying the template list, creating a pipeline template, and querying template details.
<b>Pipeline management</b>	APIs for starting a pipeline, obtaining pipeline status in batches or separately, and obtaining execution details.
<b>Group management</b>	APIs for creating, updating, and deleting pipeline groups.
<b>Rule management</b>	APIs for obtaining details about a single rule, obtaining the rule list by page, and updating rules.
<b>Tenant-level policy management</b>	APIs for creating a rule set, modifying a rule set, and obtaining rule set details.
<b>Tenant-level open-source governance policy management</b>	APIs for creating a tenant-level open-source governance policy, modifying a tenant-level open-source governance policy, and querying details about a tenant-level open-source governance policy.
<b>Project-level policy management</b>	APIs for obtaining the project-level policy list and querying the project-level policy list.
<b>Project-level open-source governance policy management</b>	APIs for querying details about a project-level open-source governance policy and querying the project-level open-source governance policy list.
<b>Extension management</b>	APIs for creating an extension version, extension draft version, and a publisher.

# 3 Calling APIs

## 3.1 Making an API Request

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

### Request URI

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

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

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

For example, to obtain the IAM token in region EU-Dublin, obtain the endpoint of this region (iam.pipeline-external.eu-west-101.myhuaweicloud.eu) and find the

**resource-path (/v3/auth/tokens)** in the URI of the API for **obtaining a user token**. Then, construct the URI as follows:

```
https://iam.eu-west-101.myhuaweicloud.eu/v3/auth/tokens
```

#### 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	Same as GET except that the server must return only the response header.
PATCH	Requests the server to update partial content of a specified resource. If the resource does not exist, a new resource will be created.

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

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3/auth/tokens
```

## Request Header

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

Common request header fields:

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

#### NOTE

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

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

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

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3/auth/tokens
Content-Type: application/json
```

## Request Body

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

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

In the case of the API used to **obtain a user token**, the request parameters and parameter description can be obtained from the API request. The following provides an example request with a body included. Replace **username**, **domainname**, **\*\*\*\*\***, and **xxxxxxxxxx** with the actual values. **username** indicates the username, **domainname** indicates the account to which the user belongs,

**\*\*\*\*\*** indicates the login password, and **xxxxxxxxx** indicates the project name, for example, eu-west-101. You can obtain the value from [Endpoints](#).

#### NOTE

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

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3/auth/tokens
Content-Type: application/json

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

If all data required for the API request is available, you can send the request to call the API through [curl](#), [Postman](#), or coding. In the response to the API used to [obtain a user token](#), **x-subject-token** is the desired user token. This token can then be used to authenticate the calling of other APIs.

## 3.2 Authentication

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

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

### Token-based Authentication

#### NOTE

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

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

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

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

```
{
  "auth": {
    "identity": {
      "methods": [
        "password"
      ],
      "password": {
        "user": {
          "name": "username",
          "password": "*****",
          "domain": {
            "name": "domainname"
          }
        }
      }
    },
    "scope": {
      "project": {
        "name": "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 **ABCDEFJ....**, **X-Auth-Token: ABCDEFJ....** should be added to a request as follows:

```
GET https://iam.eu-west-101.myhuaweicloud.eu/v3/auth/projects
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.

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 use an AK/SK to sign requests based on the signature algorithm or use the signing SDK to sign requests. For details about how to sign requests and use the signing SDK, see [AK/SK Signing and Authentication Guide](#).

**NOTICE**

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

## 3.3 Response

### Status Code

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

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

If status code **201** is returned for calling the API used to , the request is successful.

### Response Header

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

**Figure 3-1** shows the response header fields for the API used to [obtain a user token](#). The **x-subject-token** header field is the desired user token. This token can then be used to authenticate the calling of other APIs.

**Figure 3-1** Header fields of the response to the request for obtaining a user token

```
connection → keep-alive
content-type → application/json
date → Tue, 12 Feb 2019 06:52:13 GMT
server → Web Server
strict-transport-security → max-age=31536000; includeSubdomains;
transfer-encoding → chunked
via → proxy A
x-content-type-options → nosniff
x-download-options → noopen
x-frame-options → SAMEORIGIN
x-iam-trace-id → 218d45ab-d674-4995-af3a-2d0255ba41b5
x-subject-token
→ MIIYXQYJKoZIhvcNAQcCoIIYtJCCGEoCAQExDTALBglghkgBZQMEAgEwgharBgkqhkiG9w0B8wGgghacBIIWmHsidG9rZW4iOnsiZXhwaXJlc19hdCI6IjIwMTktMTNUMDUMC
fj3KJs6YgKnpVNRbW2eZ5eb78SZOkqjACgkklqO1wi4JlGzrpd18LGXK5bldfq4lqHCYb8P4NaY0NYejcAgz/VeFYtLWT1GSO0zxKZmlQHq82HBqHdglZO9fuEbL5dMhdavj+33wEI
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1FruooL6jagjFkNPQuFSOU8+uSsttVwRtNfsC+qTp22Rkd5MCqFGQ8LcuUxC3a+9CMBnOintWW7oeRUVhVpxk8pxiX1wTEboX-
RzT6MUlbpvGw-oPNFYxJECknoH3HROzov0vN--n5d6Nbxg==
x-xss-protection → 1; mode=block;
```

### Response Body

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



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

```
{
  "token": {
    "expires_at": "2019-02-13T06:52:13.855000Z",
    "methods": [
      "password"
    ],
    "catalog": [
      {
        "endpoints": [
          {
            "region_id": "eu-west-101",
            .....

```

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

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

# 4 API

## 4.1 Template management

### 4.1.1 Listing Templates

#### Function

Querying the Pipeline Template List

#### URI

POST /v5/{tenant\_id}/api/pipeline-templates/list

**Table 4-1** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	TenantID

#### Request Parameters

**Table 4-2** Request body parameters

Parameter	Mandatory	Type	Description
language	No	String	Language
is_system	No	Boolean	Indicates whether the template is a system template.
name	No	String	The template name.

Parameter	Mandatory	Type	Description
offset	No	Long	Offset from which the query starts. The value of offset is greater than or equal to 0. The default value is 0.
limit	No	Long	Number of items queried each time.
sort_key	No	String	Field used for sorting, which is optional. The value can be name or create_time.
sort_dir	No	String	Sorting type, which is optional. asc: by sorting field in ascending order; desc: by sorting field in descending order

## Response Parameters

Status code: 200

Table 4-3 Response body parameters

Parameter	Type	Description
offset	Integer	Specifies the initial offset.
limit	Integer	Number of records displayed on each page.
total	Integer	Total number.
templates	Array of PipelineTemplateSimpleVO objects	Pipeline Template List

Table 4-4 PipelineTemplateSimpleVO

Parameter	Type	Description
id	String	The template ID.
name	String	The template name.
icon	String	Template Icon
manifest_version	String	Version

Parameter	Type	Description
language	String	Language
description	String	Template Description
is_system	Boolean	Indicates whether the template is a system template.
region	String	Template Site
domain_id	String	ID of the tenant to which the template belongs.
creator_id	String	Template Creator ID
creator_name	String	Template Creator Name
updater_id	String	Template Updater ID
create_time	Integer	Created
update_time	Integer	Updated
is_collect	Boolean	Favorite
is_show_source	String	Indicates whether to display the pipeline source.
stages	Array of <a href="#">stages</a> objects	Template Orchestration stages

**Table 4-5** stages

Parameter	Type	Description
name	String	Phase Name
sequence	Integer	Phase Sequence

**Status code: 400****Table 4-6** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
{
  "offset" : 0,
  "limit" : 3,
  "total" : 19,
  "templates" : [ {
    "id" : "e908740fe06e44a28f30c0f3c81b2ad5",
    "name" : "Serverless-maven Compilation and Deployment",
    "icon" : "maven60",
    "manifest_version" : "3.0",
    "language" : "Java",
    "description" : "Use Maven to build and deploy serverless project code.",
    "is_system" : true,
    "region" : "system",
    "domain_id" : "system",
    "creator_id" : "system",
    "creator_name" : "system",
    "updater_id" : "e908740fe06e44a28f30c0f3c81b2ad5",
    "create_time" : 1671172288000,
    "update_time" : 1677640980000,
    "is_collect" : true,
    "is_show_source" : null,
    "stages" : [ {
      "name" : "Build and Check",
      "sequence" : 0
    }, {
      "name" : "Deployment and Test",
      "sequence" : 1
    }
  ]
}, {
  "id" : "ac3b3b9a6cb64ef6b732c8f8459ab578",
  "name" : "Building a Container Image on a Node",
  "icon" : "npm60",
  "manifest_version" : "3.0",
  "language" : "Node.js",
  "description" : "Use nodes to build container images and push them to SWR for storage.",
  "is_system" : true,
  "region" : "system",
  "domain_id" : "system",
  "creator_id" : "system",
  "creator_name" : "system",
  "updater_id" : "ac3b3b9a6cb64ef6b732c8f8459ab578",
  "create_time" : 1671172288000,
  "update_time" : 1677640980000,
  "is_collect" : true,
  "is_show_source" : null,
  "stages" : [ {
    "name" : "Build",
    "sequence" : 0
  }
]
```

```
    }  
  }, {  
    "id": "8ea4d170ba0d45d9b1b647a9780ebcf8",  
    "name": "Get Started",  
    "icon": null,  
    "manifest_version": "3.0",  
    "language": "java",  
    "description": "Pipeline template for beginners",  
    "is_system": true,  
    "region": "system",  
    "domain_id": "system",  
    "creator_id": "system",  
    "creator_name": "system",  
    "updater_id": "ac3b3b9a6cb64ef6b732c8f8459ab578",  
    "create_time": 1680769082000,  
    "update_time": 1680770243000,  
    "is_collect": false,  
    "is_show_source": null,  
    "stages": [ {  
      "name": "Code check",  
      "sequence": 0  
    }, {  
      "name": "Build Phase",  
      "sequence": 1  
    }, {  
      "name": "Deployment and Publish",  
      "sequence": 2  
    }  
  ]  
}  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.1.2 Creating a Pipeline Template

### Function

Creating a Pipeline Template

### URI

POST /v5/{tenant\_id}/api/pipeline-templates

**Table 4-7** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	TenantID

## Request Parameters

**Table 4-8** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-9** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	The template name.
description	No	String	Template description.
language	Yes	String	Language
variables	No	CustomVariable object	User-defined
definition	Yes	String	Template orchestration JSON, including stages
is_system	Yes	Boolean	Indicates whether the template is a system template.
domain_id	Yes	String	Tenant ID.
is_show_source	Yes	Boolean	Indicates whether to display the pipeline source.

**Table 4-10** CustomVariable

Parameter	Mandatory	Type	Description
pipeline_id	No	String	Pipeline ID
name	No	String	Custom Parameter Name

Parameter	Mandatory	Type	Description
sequence	No	Integer	User-defined Parameter Sequence
type	No	String	Custom Parameter Type
value	No	String	Default values of customized parameters
is_secret	No	Boolean	Indicates whether the parameter is private.
description	No	String	User-defined Parameter Description
is_runtime	No	Boolean	Indicates whether to set during running.
limits	No	Array of objects	Limited
is_reset	No	Boolean	Reset or Not
latest_value	No	String	Latest Parameter Value
runtime_value	No	String	Value Transferred During Running

## Response Parameters

**Status code: 200**

**Table 4-11** Response body parameters

Parameter	Type	Description
templatedId	String	The template ID.

**Status code: 400**

**Table 4-12** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.



## 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": "{\n  \"stages\": [\n    {\n      \"name\": \"Phase_1\",\n      \"sequence\": \"0\",\n      \"jobs\": [\n        {\n          \"stage_id\": \"1698069093677\",\n          \"identifier\": \"16980691185419778b0f5-02cd-4bd3-a8cc-da825644add1\",\n          \"name\": \"CodeCheck Chinese name\",\n          \"depends_on\": [],\n          \"timeout\": \"\",\n          \"timeout_unit\": \"\",\n          \"steps\": [\n            {\n              \"name\": \"CodeCheck Chinese name \",\n              \"task\": \"official_devcloud_codeCheck_template\",\n              \"sequence\": \"0\",\n              \"inputs\": [\n                {\n                  \"key\": \"language\",\n                  \"value\": \"Java\",\n                  \"key\": \"module_or_template_id\",\n                  \"value\": \"d7dffaefb6d94c63a09cf141668356c7\",\n                  \"business_type\": \"Gate\",\n                  \"runtime_attribution\": {\n                    \"agent\": {\n                      \"identifier\": \"16980691136015f94b249-102d-44f2-abb5-02fa3ad9fae0\",\n                      \"multi_step_editable\": \"0\",\n                      \"official_task_version\": \"0.0.1\"\n                    },\n                    \"resource\": {\n                      \"type\": \"system\",\n                      \"arch\": \"x86\"\n                    },\n                    \"condition\": \"completed\",\n                    \"exec_type\": \"OCTOPUS_JOB\",\n                    \"sequence\": \"0\",\n                    \"identifier\": \"16980690936778259e2a5-a97e-4c66-af8d-1908988c1c21\",\n                    \"pre\": {\n                      \"task\": \"official_devcloud_autoTrigger\",\n                      \"sequence\": \"0\",\n                      \"post\": null,\n                      \"depends_on\": [],\n                      \"run_always\": false\n                    }\n                  },\n                  \"domain_id\": \"ce8df55870164338a72d7e828a966a2a\",\n                  \"is_system\": false\n                }\n              ]\n            }\n          ]\n        }\n      ]\n    }\n  ]\n}"
```

## Example Responses

Status code: 200

OK

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

## 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 Querying Template Details

### Function

Querying Template Details

## URI

GET /v5/{tenant\_id}/api/pipeline-templates/{template\_id}

**Table 4-13** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	TenantID
template_id	Yes	String	The template ID.

## Request Parameters

None

## Response Parameters

**Status code: 200**

**Table 4-14** Response body parameters

Parameter	Type	Description
id	String	The template ID.
name	String	The template name.
icon	String	Template Icon
manifest_version	String	Version
language	String	Language
description	String	Template Description
is_system	Boolean	Indicates whether the template is a system template.
region	String	Site
domain_id	String	Tenant ID.
variables	Array of <b>CustomVariable</b> objects	User-defined
creator_id	String	Creator ID.
updater_id	String	Editor ID
create_time	Integer	Create Date
update_time	Integer	Date

Parameter	Type	Description
is_collect	String	Favorite
is_show_source	Boolean	Indicates whether to display the pipeline source.
definition	String	Template orchestration JSON, including stages

**Table 4-15** CustomVariable

Parameter	Type	Description
pipeline_id	String	Pipeline ID
name	String	Custom Parameter Name
sequence	Integer	User-defined Parameter Sequence
type	String	Custom Parameter Type
value	String	Default values of customized parameters
is_secret	Boolean	Indicates whether the parameter is private.
description	String	User-defined Parameter Description
is_runtime	Boolean	Indicates whether to set during running.
limits	Array of objects	Limited
is_reset	Boolean	Reset or Not
latest_value	String	Latest Parameter Value
runtime_value	String	Value Transferred During Running

**Status code: 400****Table 4-16** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

Querying Pipeline Template Details

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

## Example Responses

Status code: 200

OK

```
{  
  "id": "deb18013bb6c4659b160b15fd7468644",  
  "name": "Creating a Pipeline Template-20230112115711",  
  "icon": null,  
  "manifest_version": "3.0",  
  "language": "none",  
  "description": "",  
  "is_system": false,  
  "region": "region01",  
  "domain_id": "70ffec613024477bbaf266128bd9778d",  
  "variables": [ ],  
  "creator_id": "5ffd41c9df9d4506862ce27e209bb106",  
  "updater_id": "5ffd41c9df9d4506862ce27e209bb106",  
  "create_time": 1673495851000,  
  "update_time": 1673495851000,  
  "is_collect": null,  
  "is_show_source": true,  
  "definition": "{\n    \"stages\": [\n      {\n        \"name\": \"Phase_1\",\n        \"sequence\": \"0\",\n        \"jobs\": [\n          {\n            \"stage_id\": \"1673495831907\",\n            \"identifier\": \"16734958501367554c26c-561b-4831-a906-e88316c8e674\",\n            \"name\": \"New Task\",\n            \"depends_on\": [ ],\n            \"timeout\": \"\",\n            \"timeout_unit\": \"\",\n            \"steps\": [ ],\n            \"exec_type\": \"AGENTLESS_JOB\",\n            \"sequence\": \"0\",\n            \"identifier\": \"0\",\n            \"pre\": [\n              {\n                \"task\": \"official_devcloud_autoTrigger\",\n                \"sequence\": \"0\",\n                \"post\": null,\n                \"depends_on\": [ ],\n                \"run_always\": false\n              }\n            ]\n          }\n        ]\n      }\n    ]\n  }"
```

## 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 Updating a Pipeline Template

### Function

Updating a Pipeline Template

## URI

PUT /v5/{tenant\_id}/api/pipeline-templates/{template\_id}

**Table 4-17** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Indicates the tenant ID.
template_id	Yes	String	The template ID.

## Request Parameters

**Table 4-18** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-19** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	The template name.
description	No	String	Template description.
language	Yes	String	Language
variables	No	<b>CustomVariable</b> object	User-defined
definition	Yes	String	Template orchestration JSON, including stages
is_system	Yes	Boolean	Indicates whether the template is a system template.
domain_id	Yes	String	Tenant ID.
is_show_source	Yes	Boolean	Indicates whether to display the pipeline source.

**Table 4-20** CustomVariable

Parameter	Mandatory	Type	Description
pipeline_id	No	String	Pipeline ID
name	No	String	Custom Parameter Name
sequence	No	Integer	User-defined Parameter Sequence
type	No	String	Custom Parameter Type
value	No	String	Default values of customized parameters
is_secret	No	Boolean	Indicates whether the parameter is private.
description	No	String	User-defined Parameter Description
is_runtime	No	Boolean	Indicates whether to set during running.
limits	No	Array of objects	Limited
is_reset	No	Boolean	Reset or Not
latest_value	No	String	Latest Parameter Value
runtime_value	No	String	Value Transferred During Running

## Response Parameters

**Status code: 200**

**Table 4-21** Response body parameters

Parameter	Type	Description
templateId	String	The template ID.

**Status code: 400**

**Table 4-22** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message

Parameter	Type	Description
error_code	String	Error code.

## 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\": \"Phase_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 Chinese name\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\": [ { \"name\": \"CodeCheck Chinese name\", \"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 } ] } ] } }
```

## Example Responses

Status code: 200

OK

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

## Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized
403	Forbidden

Status Code	Description
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.1.5 Deleting a Pipeline Template

### Function

Deleting a Pipeline Template

### URI

DELETE /v5/{tenant\_id}/api/pipeline-templates/{template\_id}

**Table 4-23** Path Parameters

Parameter	Mandatory	Type	Description
tenant_id	Yes	String	Indicates the tenant ID.
template_id	Yes	String	The template ID.

### Request Parameters

**Table 4-24** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

### Response Parameters

Status code: 200



**Table 4-25** Response body parameters

Parameter	Type	Description
templateId	String	The template ID.

**Status code: 400**

**Table 4-26** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

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

## Example Responses

**Status code: 200**

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2 Pipeline Management

### 4.2.1 Execute Pipeline

#### Function

Execute Pipeline

#### URI

POST /v5/{project\_id}/api/pipelines/{pipeline\_id}/run

**Table 4-27** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID

#### Request Parameters

**Table 4-28** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-29** Request body parameters

Parameter	Mandatory	Type	Description
sources	No	Array of <a href="#">sources</a> objects	Sources Used
description	No	String	Running Description
variables	No	Array of <a href="#">variables</a> objects	User-defined Parameters

Parameter	Mandatory	Type	Description
choose_jobs	No	Array of strings	Selected Task
choose_stages	No	Array of strings	Selection Phase

**Table 4-30** sources

Parameter	Mandatory	Type	Description
type	Yes	String	Source Type
params	No	<a href="#">params</a> object	Source Parameter

**Table 4-31** params

Parameter	Mandatory	Type	Description
git_type	Yes	String	Code Repository Type
alias	No	String	Code Repository Alias
codehub_id	No	String	Repo code repository ID
default_branch	No	String	Default Branch
git_url	Yes	String	HTTPS address of the Git repository
endpoint_id	No	String	Extension Point ID
build_params	No	<a href="#">build_params</a> object	Construction Parameters

**Table 4-32** build\_params

Parameter	Mandatory	Type	Description
build_type	Yes	String	Indicates whether to trigger a branch or tag.
target_branch	No	String	Running Branch
tag	No	String	Running a Tag
event_type	No	String	Triggering Event Type

**Table 4-33** variables

Parameter	Mandatory	Type	Description
name	Yes	String	Parameter
value	Yes	String	Value

## Response Parameters

Status code: 200

**Table 4-34** Response body parameters

Parameter	Type	Description
pipeline_run_id	String	Pipeline running instance ID

## Example Requests

Starts 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",  
        "event_type": "Manual",  
        "target_branch": "test-lbdsb11"  
      }  
    }  
  }  
],  
  "description": "Running Description",  
  "variables": [ {  
    "name": "key",  
    "value": "val"  
  } ],  
  "choose_jobs": [ "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4" ]  
}
```

## Example Responses

Status code: 200

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.2 Obtaining Pipeline Status in Batches

### Function

This interface is used to obtain pipeline status in batches. Only pipeline data with execution records is returned.

### URI

POST /v5/{project\_id}/api/pipelines/status

**Table 4-35** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

### Request Parameters

**Table 4-36** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-37** Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of strings	Indicates the pipeline ID list.

## Response Parameters

Status code: 200

**Table 4-38** Response body parameters

Parameter	Type	Description
[items]	Array of <a href="#">PipelineLatestRun</a> objects	OK

**Table 4-39** PipelineLatestRun

Parameter	Type	Description
pipeline_id	String	Pipeline ID
pipeline_run_id	String	Pipeline running instance ID
executor_id	String	Executor ID
executor_name	String	Executor Name
stage_status_list	Array of <a href="#">stage_status_list</a> objects	Phase Status Information
status	String	Pipeline status.
run_number	Integer	Running No.
trigger_type	String	Trigger Type
build_params	<a href="#">build_params</a> object	Running Build Parameters
artifact_params	<a href="#">artifact_params</a> object	Running Artifact Source Parameters
start_time	Long	Start time
end_time	Long	End Time

Parameter	Type	Description
modify_url	String	Modify Page Address
detail_url	String	Details Page Address

**Table 4-40** stage\_status\_list

Parameter	Type	Description
name	String	Phase Name
sequence	Integer	Phase Sequence Number
status	String	Phase Status
start_time	String	Phase Start Time
end_time	String	Phase End Time

**Table 4-41** build\_params

Parameter	Type	Description
action	String	Event type of the combination request.
build_type	String	Branch-based or Tag-based Triggering
commit_id	String	Code Library Submission ID
event_type	String	Triggered Event Type
merge_id	String	ID of a combination request.
message	String	Code Library Submission Information
source_branch	String	Source branch of the merge request
tag	String	Label
target_branch	String	Target Branch
codehub_id	String	Repo code repository ID
git_url	String	HTTPS address of the code repository
source_codehub_id	String	Source Repo Code Repository ID
source_codehub_url	String	Source Repo Code Repository Address
source_codehub_http_url	String	HTTP address of the source Repo code repository

**Table 4-42** artifact\_params

Parameter	Type	Description
version	String	Package Version
branch_filter	String	Filtering Branches
package_name	String	Name
organization	String	Docker organization information

## Example Requests

This API is used to obtain pipeline status in batches. The ID of the pipeline to be queried is d19799d619424b2bb2625ec2d93ea087.

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/status
[ "d19799d619424b2bb2625ec2d93ea087" ]
```

## Example Responses

**Status code: 200**

OK

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



## Status Codes

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

## Error Codes

See [Error Codes](#).

### 4.2.3 Obtaining the Pipeline Status/Obtaining Pipeline Execution Details

#### Function

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

#### URI

GET /v5/{project\_id}/api/pipelines/{pipeline\_id}/pipeline-runs/detail

**Table 4-43** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID

**Table 4-44** Query Parameters

Parameter	Mandatory	Type	Description
pipeline_run_id	No	String	Pipeline running instance ID

## Request Parameters

**Table 4-45** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200****Table 4-46** Response body parameters

Parameter	Type	Description
id	String	Pipeline running instance ID
pipeline_id	String	Pipeline ID
manifest_version	String	Pipeline version.
name	String	Pipeline name
description	String	Running Description
is_publish	Boolean	Indicates whether the pipeline is a change pipeline.
executor_id	String	Operator ID
executor_name	String	Operator Name
status	String	Status
trigger_type	String	Trigger Type
run_number	Integer	Running No.
start_time	Long	Start time
end_time	Long	End time.
stages	Array of <a href="#">StageRun</a> objects	Phase information.
domain_id	String	TenantID

Parameter	Type	Description
project_id	String	Project ID
region	String	Site
component_id	String	Component ID
language	String	Language.
sources	Array of <a href="#">RunPipelineSource</a> objects	Running Source Information
artifacts	Array of <a href="#">PackageInfo</a> objects	Pipeline Running Product
subject_id	String	Pipeline running instance ID
group_id	String	Group ID
group_name	String	Name
detail_url	String	Details Page Address
current_system_time	String	Specifies the current system time.

**Table 4-47** StageRun

Parameter	Type	Description
id	String	Phase ID
category	String	Type
name	String	Phase Name
identifier	String	Unique ID
run_always	Boolean	Whether to always run
parallel	String	Parallel or not.
is_select	Boolean	Selected or Not
sequence	Integer	SN
depends_on	Array of strings	Dependencies
condition	String	Operating Conditions
status	String	Status
start_time	Long	Start time

Parameter	Type	Description
end_time	Long	End Time
pre	Array of <a href="#">StepRun</a> objects	Phased Admission
post	Array of <a href="#">StepRun</a> objects	Phase Exit
jobs	Array of <a href="#">JobRun</a> objects	Task

**Table 4-48** JobRun

Parameter	Type	Description
id	String	Task ID
category	String	Task Type
sequence	Integer	SN
async	String	Asynchronous or Not
name	String	Task
identifier	String	Identifies a task.
depends_on	Array of strings	Depend
condition	String	Operating Conditions
resource	String	Execution Resource
is_select	Boolean	Selected or Not
timeout	String	Task Timeout Settings
last_dispatch_id	String	ID of the task delivered last time.
status	String	Status
message	String	Error Message
start_time	Long	Start time
end_time	Long	End Time
steps	Array of <a href="#">StepRun</a> objects	Procedure

Parameter	Type	Description
exec_id	String	Task execution ID.

**Table 4-49** StepRun

Parameter	Type	Description
name	String	Operation
task	String	Step Plug-in
business_type	String	Plug-in Service Type
inputs	Array of <a href="#">inputs</a> objects	Input parameter
sequence	Integer	SN
official_task_version	String	Official Plug-in Version
identifier	String	A unique identifier
multi_step_editable	Integer	Whether the pipeline is editable
id	String	Step ID
endpoint_ids	String	Extension Points
last_dispatch_id	String	ID of the last delivery task.
status	String	Status
message	String	Error Message
start_time	Long	Start time
end_time	Long	End Time

**Table 4-50** inputs

Parameter	Type	Description
key	String	Input parameter name.
value	Object	Input parameter value.

**Table 4-51** RunPipelineSource

Parameter	Type	Description
type	String	Source Type
params	<a href="#">params</a> object	Source Parameter

**Table 4-52** params

Parameter	Type	Description
git_type	String	Code Repository Type
git_url	String	HTTPS address of the code repository
ssh_git_url	String	SSH address of the code repository
web_url	String	Code Repository Page Address
repo_name	String	Code Repository Name
default_branch	String	Default Branch
endpoint_id	String	Extension Point ID
codehub_id	String	Repo code repository ID
alias	String	Code Repository Alias
build_params	<a href="#">build_params</a> object	Image build parameters

**Table 4-53** build\_params

Parameter	Type	Description
action	String	Combination Request Event Type
build_type	String	Branch-based or Tag-based Running
commit_id	String	Code Repository Submission ID
event_type	String	Running Event Type
merge_id	String	Combination Request ID
message	String	Code Repository Submission Information
source_branch	String	Source Branch
tag	String	Label

Parameter	Type	Description
target_branch	String	Target Branch
codehub_id	String	Repo code repository ID
source_codehub_id	String	Source Repo Code Repository ID
source_codehub_url	String	Source Repo Code Repository Address
source_codehub_http_url	String	HTTP address of the source Repo code repository

**Table 4-54** PackageInfo

Parameter	Type	Description
name	String	Product Name
packageType	String	Product Type
version	String	Product Version
downloadUrl	String	Product Download Address

## Example Requests

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

## Example Responses

**Status code: 200**

OK

```
{  
  "id": "25adfa6784124cfc9b9274ceaecf9957",  
  "pipeline_id": "98b6ea1536374df883bcc3b129bca4e9",  
  "manifest_version": "3.0",  
  "name": "Sub-pipeline qq",  
  "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 Task",
  "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" : "region01",
"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"
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.4 Obtaining the Pipeline List/Obtaining the Pipeline Execution Status of a Project

### Function

Obtaining the Pipeline List/Obtaining the Pipeline Execution Status of a Project

### URI

POST /v5/{project\_id}/api/pipelines/list

**Table 4-55** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

## Request Parameters

**Table 4-56** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-57** Request body parameters

Parameter	Mandatory	Type	Description
project_ids	No	Array of strings	Project IDs.
component_id	No	String	Component ID
name	No	String	Pipeline name. Fuzzy search is supported.
status	No	Array of strings	Status
is_publish	No	Boolean	Indicates whether the pipeline is a change pipeline.
creator_ids	No	Array of strings	Creator ID list.
executor_ids	No	Array of strings	Executor ID List
start_time	No	String	Start time
end_time	No	String	End Time
offset	No	Long	Specifies the initial offset.
limit	No	Long	Number of queried records.
sort_key	No	String	Sorting Field Name
sort_dir	No	String	Sorting rule
group_path_id	No	String	Pipeline Group ID
by_group	No	Boolean	Indicates whether to query by group.
query_new	No	Boolean	Indicates whether to query only the new pipeline.

## Response Parameters

Status code: 200

**Table 4-58** Response body parameters

Parameter	Type	Description
offset	Integer	Specifies the initial offset.
limit	Integer	Query Size
total	Integer	Total number.
pipelines	Array of <a href="#">pipelines</a> objects	CloudPipeline homepage

**Table 4-59** pipelines

Parameter	Type	Description
pipeline_id	String	Pipeline ID
name	String	Pipeline name
project_id	String	Project ID
project_name	String	Project Name
component_id	String	Component ID
is_publish	Boolean	Indicates whether the pipeline is a change pipeline.
is_collect	Boolean	Do you want to add the pipeline to favorites?
manifest_version	String	Pipeline version.
create_time	Long	Created
latest_run	<a href="#">latest_run</a> object	Latest Running Information
convert_sign	Integer	Old Version to New Version Flag

**Table 4-60** latest\_run

Parameter	Type	Description
pipeline_id	String	Pipeline ID

Parameter	Type	Description
pipeline_run_id	String	Pipeline running instance ID
executor_id	String	Executor ID
executor_name	String	Executor Name
stage_status_list	Array of <a href="#">stage_status_list</a> objects	Phase Information List
status	String	Status
run_number	Integer	Running No.
trigger_type	String	Trigger Type
build_params	<a href="#">build_params</a> object	Image build parameters
artifact_params	<a href="#">artifact_params</a> object	Artifact source parameters
start_time	Long	Start time
end_time	Long	End Time
modify_url	String	Modify Page Address
detail_url	String	Details Page Address

**Table 4-61** stage\_status\_list

Parameter	Type	Description
name	String	Phase Name
sequence	Integer	SN
status	String	Status
start_time	String	Start time
end_time	String	End time.
id	String	Phase ID

**Table 4-62** build\_params

Parameter	Type	Description
action	String	Combination Request Event Type
build_type	String	Branch-based or Tag-based Running
commit_id	String	Code Repository Submission ID
event_type	String	Running Event Type
merge_id	String	Combination Request ID
message	String	Code Repository Submission Information
source_branch	String	Source Branch
tag	String	Label
target_branch	String	Target Branch
codehub_id	String	Repo code repository ID
git_url	String	HTTPS address of the code repository
source_codehub_id	String	Source Repo Code Repository ID
source_codehub_url	String	Source Repo Code Repository Address
source_codehub_http_url	String	HTTP address of the source Repo code repository

**Table 4-63** artifact\_params

Parameter	Type	Description
version	String	Package Version
branch_filter	String	Filtering Branches
package_name	String	Package Name
organization	String	Docker organization

## 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**

OK

```
{  
  "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",  
        "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  
  }  
}
```

## Status Codes

Status Code	Description
200	OK
401	Unauthorized

Status Code	Description
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.2.5 Deleting a Pipeline

### Function

Deleting a Pipeline

### URI

DELETE /v5/{project\_id}/api/pipelines/{pipeline\_id}

**Table 4-64** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID

## Request Parameters

**Table 4-65** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-66** Response body parameters

Parameter	Type	Description
pipeline_id	String	Pipeline ID

## Example Requests

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

## Example Responses

**Status code: 200**

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.6 Stopping a Pipeline

### Function

Stopping a Pipeline

### URI

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



**Table 4-67** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID
pipeline_run_id	Yes	String	Pipeline running instance ID

## Request Parameters

**Table 4-68** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-69** Response body parameters

Parameter	Type	Description
success	Boolean	Whether the operation is successful

## Example Requests

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

## Example Responses

**Status code: 200**

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.7 Obtaining Pipeline Execution Records

### Function

Obtaining Pipeline Execution Records

### URI

POST /v5/{project\_id}/api/pipelines/{pipeline\_id}/pipeline-runs/list

**Table 4-70** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID

## Request Parameters

**Table 4-71** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-72** Request body parameters

Parameter	Mandatory	Type	Description
status	No	Array of strings	Status
start_time	No	String	Start time
end_time	No	String	End Time
offset	No	Long	Specifies the initial offset.
limit	No	Long	Query Size
sort_key	No	String	Sorting Field Name
sort_dir	No	String	Sorting rule

## Response Parameters

Status code: 200

**Table 4-73** Response body parameters

Parameter	Type	Description
offset	Integer	Specifies the initial offset.
limit	Integer	Query Size
total	Integer	Total number.
pipeline_runs	Array of <a href="#">pipeline_runs</a> objects	Pipeline running information

**Table 4-74** pipeline\_runs

Parameter	Type	Description
pipeline_id	String	Pipeline ID
pipeline_run_id	String	Pipeline running instance ID
executor_id	String	Executor ID
executor_name	String	Executor Name
stage_status_list	Array of <a href="#">stage_status_list</a> objects	Phase information.

Parameter	Type	Description
status	String	Status
run_number	Integer	Running No.
trigger_type	String	Trigger Type
build_params	<a href="#">build_params</a> object	Image build parameters
artifact_params	<a href="#">artifact_params</a> object	Artifact source parameters
start_time	Long	Start time
end_time	Long	End Time
detail_url	String	Details Page Address
modify_url	String	Modify Page Address

**Table 4-75** stage\_status\_list

Parameter	Type	Description
name	String	Phase Name
sequence	Integer	SN
status	String	Status
start_time	String	Start time
end_time	String	End time.
id	String	Phase ID

**Table 4-76** build\_params

Parameter	Type	Description
action	String	Combination Request Event Type
build_type	String	Branch-based or Tag-based Triggering
commit_id	String	Code Repository Submission ID
event_type	String	Running Event Type
merge_id	String	Combination Request ID
message	String	Code Repository Submission Information
source_branch	String	Source Branch

Parameter	Type	Description
tag	String	Label
target_branch	String	Target Branch
codehub_id	String	Repo code repository ID
git_url	String	HTTPS address of the code repository
source_codehub_id	String	Source Repo Code Repository ID
source_codehub_url	String	Source Repo Code Repository Address
source_codehub_http_url	String	HTTP address of the source Repo code repository

**Table 4-77** artifact\_params

Parameter	Type	Description
version	String	Package Version
branch_filter	String	Filtering Branches
package_name	String	Package Name
organization	String	Docker organization

## 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", "QUEUED" ],
  "sort_key" : "start_time",
  "sort_dir" : "DESC",
  "start_time" : 1677513600000,
  "end_time" : 1678118399000
}
```

## Example Responses

**Status code: 200**

OK

```
{
  "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
  } ]
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.8 Creating a Pipeline Using a Template

### Function

Creating a Pipeline Using a Template

## URI

POST /v5/{project\_id}/api/pipeline-templates/{template\_id}/create-pipeline

**Table 4-78** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
template_id	Yes	String	The template ID.

**Table 4-79** Query Parameters

Parameter	Mandatory	Type	Description
component_id	No	String	Microservice ID

## Request Parameters

**Table 4-80** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-81** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Pipeline name
description	No	String	Description
is_publish	Yes	Boolean	Indicates whether the pipeline is a change pipeline.
sources	Yes	Array of <a href="#">CodeSource</a> objects	Pipeline Source
variables	No	Array of <a href="#">variables</a> objects	Pipeline Parameters

**Table 4-82** CodeSource

Parameter	Mandatory	Type	Description
type	No	String	Pipeline Source Type
params	No	<a href="#">params</a> object	Pipeline Source Parameters

**Table 4-83** params

Parameter	Mandatory	Type	Description
git_type	No	String	Git Type
codehub_id	No	String	Repo code repository ID
endpoint_id	No	String	Extension point ID.
default_branch	No	String	Default Branch
git_url	No	String	git link
ssh_git_url	No	String	ssh_git link
web_url	No	String	Web page URL.
repo_name	No	String	Pipeline Source Name
alias	No	String	Alias of the code repository. The alias can contain a maximum of 128 characters, including uppercase letters, lowercase letters, digits, and underscores (_).

**Table 4-84** variables

Parameter	Mandatory	Type	Description
name	No	String	Parameter
sequence	No	Integer	Parameter No.
type	No	String	Type
value	No	String	Parameter
is_secret	No	Boolean	Indicates whether the parameter is private.
description	No	String	Description



Parameter	Mandatory	Type	Description
is_runtime	No	Boolean	Indicates whether to set during running.
is_reset	No	Boolean	Reset or Not
latest_value	No	String	Last Parameter Value
limits	No	Array of strings	Enumerated Value

## Response Parameters

Status code: 200

Table 4-85 Response body parameters

Parameter	Type	Description
pipeline_id	String	Pipeline ID

## 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

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.9 Creates a pipeline.

### Function

Creates a pipeline.

### URI

POST /v5/{project\_id}/api/pipelines

**Table 4-86** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

**Table 4-87** Query Parameters

Parameter	Mandatory	Type	Description
component_id	No	String	Component ID

## Request Parameters

**Table 4-88** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-89** Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	Pipeline name
description	No	String	Description
is_publish	No	Boolean	Indicates whether the pipeline is a release pipeline.
sources	No	Array of <a href="#">CodeSource</a> objects	Pipeline Source
variables	No	Array of <a href="#">CustomVariable</a> objects	Customizing Global Variables for Pipelines
schedules	No	Array of <a href="#">PipelineSchedule</a> objects	Scheduled Pipeline Execution Configuration
triggers	No	Array of <a href="#">PipelineTrigger</a> objects	Pipeline Code Event Triggering Configuration
manifest_version	No	String	Pipeline structure definition version. The default value is 3.0 in the new version.
definition	No	String	Pipeline Structure Definition
project_name	No	String	Project Name
group_id	No	String	Pipeline Group ID
id	No	String	In the replication scenario, the value is the original pipeline ID.

**Table 4-90** CodeSource

Parameter	Mandatory	Type	Description
type	No	String	Pipeline Source Type
params	No	<a href="#">params</a> object	Pipeline Source Parameters

**Table 4-91** params

Parameter	Mandatory	Type	Description
git_type	No	String	Git Type
codehub_id	No	String	Repo code repository ID
endpoint_id	No	String	Extension point ID.
default_branch	No	String	Default Branch
git_url	No	String	git link
ssh_git_url	No	String	ssh_git link
web_url	No	String	Web page URL.
repo_name	No	String	Pipeline Source Name
alias	No	String	Alias of the code repository. The alias can contain a maximum of 128 characters, including uppercase letters, lowercase letters, digits, and underscores (_).

**Table 4-92** CustomVariable

Parameter	Mandatory	Type	Description
pipeline_id	No	String	Pipeline ID
name	No	String	Custom Parameter Name
sequence	No	Integer	User-defined Parameter Sequence
type	No	String	Custom Parameter Type
value	No	String	Default values of customized parameters

Parameter	Mandatory	Type	Description
is_secret	No	Boolean	Indicates whether the parameter is private.
description	No	String	User-defined Parameter Description
is_runtime	No	Boolean	Indicates whether to set during running.
limits	No	Array of objects	Limited
is_reset	No	Boolean	Reset or Not
latest_value	No	String	Latest Parameter Value
runtime_value	No	String	Value Transferred During Running

**Table 4-93** PipelineSchedule

Parameter	Mandatory	Type	Description
uuid	No	String	The task ID.
type	No	String	Task Type
name	No	String	Task
enable	No	String	Available or Not
days_of_week	No	Array of integers	Specific time in a week
time_zone	No	String	Time Zone

**Table 4-94** PipelineTrigger

Parameter	Mandatory	Type	Description
pipeline_id	No	String	Pipeline ID
git_url	No	String	git link
git_type	No	String	Git Type
is_auto_commit	No	Boolean	Whether to automatically commit statements
events	No	Array of <a href="#">CodeEvent</a> objects	Event

Parameter	Mandatory	Type	Description
hook_id	No	String	Callback ID
repo_id	No	String	Specifies the repository ID.
endpoint_id	No	String	Extension point ID.
callback_url	No	String	Callback Link
security_token	No	String	User token

**Table 4-95** CodeEvent

Parameter	Mandatory	Type	Description
type	No	String	The event type.
enable	No	Boolean	Available or Not

## Response Parameters

Status code: 200

**Table 4-96** Response body parameters

Parameter	Type	Description
pipeline_id	String	Pipeline ID

## 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://codehub.devcloud.cn-north-7.ulanqab.huawei.com/0213yjw100001/0213yjw1-
android.git",
      "ssh_git_url": "git@codehub.devcloud.cn-north-7.ulanqab.huawei.com:0213yjw100001/0213yjw1-
android.git",
      "web_url": "",
      "repo_name": "0213yjw1-android",
      "alias": ""
    }
  } ],
  "definition": "{\n  \"stages\": [\n    {\n      \"sequence\": \"0\",\n      \"jobs\": [\n        {\n          \"id\": \"\",\n          \"stage_id\": \"1698151278179\",\n          \"identifier\": \"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b\",\n          \"name\": \"\"

```

```
\\"Create Task in the {\\"id\":1698151278179,\"identifier\n\n\":\\"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533\", \"run_always\":false,\"name\": \"Phase\n\n\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\": [], \"exec_type\": \"AGENTLESS_JOB\n\n\", \"sequence\": 0}, \"rule_templates\": [], \"pre\": [{\"task\": \"official_devcloud_autoTrigger\", \"sequence\n\n\": 0}, {\"post\": [], \"depends_on\": []}]}"
```

## Example Responses

Status code: 200

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.10 Re-trial Run Pipeline

### Function

Re-trial Run Pipeline

### URI

PUT /v5/{project\_id}/api/pipelines/{pipeline\_id}/pipeline-runs/{pipeline\_run\_id}/  
retry

**Table 4-97** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID
pipeline_run_id	Yes	String	Pipeline running instance ID

## Request Parameters

**Table 4-98** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-99** Response body parameters

Parameter	Type	Description
success	Boolean	Whether the operation is successful

## Example Requests

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

## Example Responses

**Status code: 200**

OK

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

## Status Codes

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



## Error Codes

See [Error Codes](#).

### 4.2.11 Pass the manual review.

#### Function

Pass the manual review.

#### URI

POST /v5/{project\_id}/api/pipelines/{pipeline\_id}/pipeline-runs/{pipeline\_run\_id}/jobs/{job\_run\_id}/steps/{step\_run\_id}/pass

**Table 4-100** Path Parameters

Parameter	Mandatory	Type	Description
job_run_id	Yes	String	Indicates the pipeline task ID.
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID
pipeline_run_id	Yes	String	Pipeline running instance ID
step_run_id	Yes	String	Pipeline Step ID

#### Request Parameters

None

#### Response Parameters

**Status code: 200**

**Table 4-101** Response body parameters

Parameter	Type	Description
success	Boolean	Whether the operation is successful

#### Example Requests

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

## Example Responses

Status code: 200

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.12 Reject to Manual Review

### Function

Reject to Manual Review

### URI

POST /v5/{project\_id}/api/pipelines/{pipeline\_id}/pipeline-runs/{pipeline\_run\_id}/jobs/{job\_run\_id}/steps/{step\_run\_id}/refuse

**Table 4-102** Path Parameters

Parameter	Mandatory	Type	Description
job_run_id	Yes	String	Indicates the pipeline task ID.
step_run_id	Yes	String	Pipeline Step ID
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID
pipeline_run_id	Yes	String	Pipeline running instance ID

## Request Parameters

None

## Response Parameters

Status code: 200

**Table 4-103** Response body parameters

Parameter	Type	Description
success	Boolean	Whether the operation is successful

## Example Requests

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

## Example Responses

Status code: 200

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.2.13 Querying Pipeline Logs

### Function

Querying Pipeline Logs

## URI

POST /v5/{project\_id}/api/pipelines/{pipeline\_id}/pipeline-runs/{pipeline\_run\_id}/jobs/{job\_run\_id}/steps/{step\_run\_id}/logs

**Table 4-104** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.
pipeline_id	Yes	String	Pipeline ID
pipeline_run_id	Yes	String	Pipeline running instance ID
job_run_id	Yes	String	Indicates the pipeline task ID.
step_run_id	Yes	String	Pipeline Step ID

## Request Parameters

**Table 4-105** Request body parameters

Parameter	Mandatory	Type	Description
start_offset	No	Long	Log Start Offset
end_offset	No	Long	Log End Offset
limit	Yes	Long	Maximum number of log lines
sort	Yes	String	Sorting rule ["asc","desc"]

## Response Parameters

**Status code: 200**

**Table 4-106** Response body parameters

Parameter	Type	Description
has_more	Boolean	Whether there are more logs
end_offset	String	Indicates the end offset of the query log.
start_offset	String	Start offset of the query log
log	String	Log content
location	String	Log Storage Location
step_run_id	String	Step ID

## Example Requests

```
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**

Response Body for Querying Logs

```
{
  "has_more" : false,
  "end_offset" : "25705",
  "start_offset" : "6132",
  "log" : "[2023/11/24 21:49:32.198 GMT+08:00] [INFO] [real_stage: Execute Shell]: This step starts to be
executed.\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: execution 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 [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.",
  "location" : "jenkins",
  "step_run_id" : "7a1a7bb1b5e74d1c944d8b8971621033"
}
```

## Status Codes

Status Code	Description
200	Response Body for Querying Logs

## Error Codes

See [Error Codes](#).

# 4.3 Manage by group

## 4.3.1 Creating a Pipeline Group

### Function

Creating a Pipeline Group

### URI

POST /v5/{project\_id}/api/pipeline-group/create

**Table 4-107** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

### Request Parameters

**Table 4-108** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-109** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Pipeline Group Name
project_id	Yes	String	Project name
parent_id	No	String	Parent group ID.

## Response Parameters

**Status code: 200**

**Table 4-110** Response body parameters

Parameter	Type	Description
id	String	Group ID
domain_id	String	TenantID
project_id	String	Project ID
name	String	Group Name
parent_id	String	Parent group ID.
path_id	String	Group Path ID
ordinal	Integer	No.
creator	String	Creator ID.
updater	String	Update User ID
create_time	Long	Creation time.
update_time	Long	Updated
children	Array of PipelineGroupVo objects	Subgroup List

**Status code: 400**

**Table 4-111** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
{
  "id" : "58d55f8a646443a984e7399632b3963e",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
  "name" : "G1",
  "parent_id" : "",
  "path_id" : "58d55f8a646443a984e7399632b3963e",
  "ordinal" : 0,
  "creator" : "847a5317086c41798469d0868535943a",
  "updater" : null,
  "create_time" : null,
  "update_time" : null,
  "children" : null
}
```

## 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

Updating a Pipeline Group



## URI

POST /v5/{project\_id}/api/pipeline-group/update

**Table 4-112** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

## Request Parameters

**Table 4-113** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-114** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Pipeline Group Name
id	Yes	String	Pipeline Group ID

## Response Parameters

**Status code: 200**

**Table 4-115** Response body parameters

Parameter	Type	Description
success	Boolean	Whether the operation is successful

**Status code: 400**

**Table 4-116** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

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

## 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

Deleting a Pipeline Group

## URI

DELETE /v5/{project\_id}/api/pipeline-group/delete

**Table 4-117** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

**Table 4-118** Query Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	Group ID

## Request Parameters

**Table 4-119** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-120** Response body parameters

Parameter	Type	Description
success	Boolean	Whether the operation is successful

**Status code: 400**

**Table 4-121** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message

Parameter	Type	Description
error_code	String	Error code.

## Example Requests

```
DELETE https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/delete?
id=1d0ae9894c8549a88931539d1959c571
```

## Example Responses

Status code: 200

OK

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

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.3.4 Querying the Pipeline Group Tree

### Function

Querying the Pipeline Group Tree

### URI

GET /v5/{project\_id}/api/pipeline-group/tree

**Table 4-122** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

## Request Parameters

**Table 4-123** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-124** Response body parameters

Parameter	Type	Description
[items]	Array of <a href="#">PipelineGroupVo</a> objects	OK

**Table 4-125** PipelineGroupVo

Parameter	Type	Description
id	String	Group ID
domain_id	String	TenantID
project_id	String	Project ID
name	String	Group Name
parent_id	String	Parent group ID.
path_id	String	Group Path ID
ordinal	Integer	No.
creator	String	Creator ID.

Parameter	Type	Description
updater	String	Update User ID
create_time	Long	Creation time.
update_time	Long	Updated
children	Array of PipelineGroupVo objects	Subgroup List

**Status code: 400**

**Table 4-126** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/tree
```

## Example Responses

**Status code: 200**

OK

```
[ {
  "id" : "894daf0db79c4ccb839490770fa06596",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
  "name" : "Creating a Group 22",
  "parent_id" : "",
  "path_id" : "894daf0db79c4ccb839490770fa06596",
  "ordinal" : 2,
  "creator" : "847a5317086c41798469d0868535943a",
  "updater" : null,
  "create_time" : 1698487536000,
  "update_time" : null,
  "children" : null
}, {
  "id" : "2ca78947b25847a9ab68a07d8ef1347b",
  "domain_id" : "ce8df55870164338a72d7e828a966a2a",
  "project_id" : "d80a8a6530324b7bac972cbb8a9f28ec",
  "name" : "Creating group 11",
  "parent_id" : "",
  "path_id" : "2ca78947b25847a9ab68a07d8ef1347b",
  "ordinal" : 1,
  "creator" : "847a5317086c41798469d0868535943a",
  "updater" : null,
  "create_time" : 1698487008000,
  "update_time" : null,
  "children" : null
}
```

```
}, {
  "id": "58d55f8a646443a984e7399632b3963e",
  "domain_id": "ce8df55870164338a72d7e828a966a2a",
  "project_id": "d80a8a6530324b7bac972cbb8a9f28ec",
  "name": "G2",
  "parent_id": "",
  "path_id": "58d55f8a646443a984e7399632b3963e",
  "ordinal": 0,
  "creator": "847a5317086c41798469d0868535943a",
  "updater": "847a5317086c41798469d0868535943a",
  "create_time": 1698484566000,
  "update_time": 1698485674000,
  "children": [ {
    "id": "d805c90bf99049d3a49e83d2024df6b8",
    "domain_id": "ce8df55870164338a72d7e828a966a2a",
    "project_id": "d80a8a6530324b7bac972cbb8a9f28ec",
    "name": "Creating group 3",
    "parent_id": "58d55f8a646443a984e7399632b3963e",
    "path_id": "58d55f8a646443a984e7399632b3963e.d805c90bf99049d3a49e83d2024df6b8",
    "ordinal": 1,
    "creator": "847a5317086c41798469d0868535943a",
    "updater": "847a5317086c41798469d0868535943a",
    "create_time": 1698487527000,
    "update_time": 1698487868000,
    "children": null
  } ],
}, {
  "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,
  "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.ebb779b3b9f742e181b1f6829fa1aca0.1b80aa3df0984e9caffefdc4e557524e",
    "ordinal": 2,
    "creator": "847a5317086c41798469d0868535943a",
    "updater": null,
    "create_time": 1698487502000,
    "update_time": null,
    "children": null
  } ],
}, {
  "id": "6bc8a3cda52c41fe84d71c9ff86161ea",
  "domain_id": "ce8df55870164338a72d7e828a966a2a",
  "project_id": "d80a8a6530324b7bac972cbb8a9f28ec",
  "name": "Creating group 3",
  "parent_id": "ebb779b3b9f742e181b1f6829fa1aca0",
  "path_id":
"58d55f8a646443a984e7399632b3963e.ebb779b3b9f742e181b1f6829fa1aca0.6bc8a3cda52c41fe84d71c9ff86161ea",
  "ordinal": 1,
  "creator": "847a5317086c41798469d0868535943a",
  "updater": null,
  "create_time": 1698486710000,
  "update_time": null,
  "children": null
} ]
}] ]
```

```
}]  
}]
```

## 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 Move pipelines to a group in batches.

#### Function

Move pipelines to a group in batches.

#### URI

POST /v5/{project\_id}/api/pipeline-group/pipeline/move

**Table 4-127** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID.

#### Request Parameters

**Table 4-128** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).



**Table 4-129** Request body parameters

Parameter	Mandatory	Type	Description
group_id	Yes	String	Group ID
pipelines	Yes	Array of <b>pipelines</b> objects	Pipeline Set

**Table 4-130** pipelines

Parameter	Mandatory	Type	Description
pipeline_id	Yes	String	Pipeline ID.
pipeline_name	Yes	String	Pipeline name

## Response Parameters

**Status code: 200**

**Table 4-131** Response body parameters

Parameter	Type	Description
[items]	Array of <b>PipelineMoveToGroupResponseVo</b> objects	OK

**Table 4-132** PipelineMoveToGroupResponseVo

Parameter	Type	Description
code	String	Response code ["failed", "success"]
pipeline_id	String	Pipeline ID.
pipeline_name	String	Pipeline name

**Status code: 400**

**Table 4-133** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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"
  } ]
}
```

## Example Responses

**Status code: 200**

OK

```
[ {
  "code" : "success",
  "pipeline_id" : "1ae88404911a4513bcdf8158ab6a0416",
  "pipeline_name" : "sdfgsdfgdfsg345345"
}, {
  "code" : "success",
  "pipeline_id" : "b99de7c698264251ac1fc3c053dc2b34",
  "pipeline_name" : "32131233131025122241"
} ]
```

## 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

Obtaining Details About a Single Rule

#### URI

GET /v2/{domain\_id}/rules/{rule\_id}/detail

**Table 4-134** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.
rule_id	Yes	String	Rule ID

#### Request Parameters

**Table 4-135** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

#### Response Parameters

Status code: 200

**Table 4-136** Response body parameters

Parameter	Type	Description
id	String	Rule ID.
type	String	Rule type
name	String	Rule Name
version	String	Rule version.

Parameter	Type	Description
layout_content	String	Layout Content
plugin_id	String	Plug-in ID
plugin_name	String	Plug-in
plugin_version	String	Add-on version.
creator	String	Created By
create_time	String	Created
updater	String	User who updated the data
update_time	String	Updated
content	Array of <b>RuleContent</b> objects	Rule Attribute List

**Table 4-137** RuleContent

Parameter	Type	Description
group_name	String	Group
can_modify_when_inherit	Boolean	Can the Threshold of an Inherited Subpolicy Be Modified?
properties	Array of <b>RuleProperty</b> objects	Rule Attribute List

**Table 4-138** RuleProperty

Parameter	Type	Description
key	String	Attribute Key
type	String	Type
name	String	Display name
operator	String	Comparison Operators
value	String	Property value.
value_type	String	Data Type

**Status code: 400**

**Table 4-139** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 401****Table 4-140** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 403****Table 4-141** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 404****Table 4-142** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

## Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/  
865b4c2d616b46ab890fff056a6f7e05/detail
```

## Example Responses

**Status code: 200**

Request succeeded.

```
{
  "id": "865b4c2d616b46ab890fff056a6f7e05",
  "type": "Build",
  "name": "New Rule-20231020103003",
  "version": "e2db2a63b3064252874b1b5a8571e2be",
  "plugin_id": "official_devcloud_cloudBuild",
  "plugin_name": "official_devcloud_cloudBuild",
  "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"
}
```

## Status Codes

Status Code	Description
200	Request succeeded.
400	Failed request
401	Authentication failed.
403	No permission.
404	The resource does not exist.

## Error Codes

See [Error Codes](#).

## 4.4.2 Obtaining the Rule List by Page

### Function

Obtaining the Rule List by Page

### URI

GET /v2/{domain\_id}/rules/query

**Table 4-143** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-144** Query Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	No	String	Project ID.
offset	Yes	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0.
limit	Yes	Integer	Number of records displayed on each page
type	No	String	Type
name	No	String	Rule name, which is used for fuzzy search.

### Request Parameters

**Table 4-145** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-146** Response body parameters

Parameter	Type	Description
data	Array of <a href="#">Rule</a> objects	Static Rule List
total	Integer	Total number.

**Table 4-147** Rule

Parameter	Type	Description
id	String	Rule ID
type	String	Rule type
name	String	Rule Name
version	String	Rule version.
operator	String	Latest Operator
operate_time	Long	Last Operation Time

**Status code: 400**

**Table 4-148** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 401**

**Table 4-149** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description



**Status code: 403****Table 4-150** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 404****Table 4-151** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

## Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/query?  
cloud_project_id=&type=&name=&limit=10&offset=20
```

## Example Responses

**Status code: 200**

Request succeeded.

```
{  
  "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" : "c12fb9341230457890993533e03ab374",
```

```
    "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": "devcloud_xxx",
    "operate_time": 1694588963000
  }, {
    "id": "22973b3a02fe439ea8b642b3a6e23e02",
    "type": "Gate",
    "name": "CodeCheck",
    "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": "devcloud_xxx",
    "operate_time": 1694498754000
  }, {
    "id": "defe9a17d6ae468cb7224b080fe418a3",
    "type": "Gate",
    "name": "New Rule-20230911100734-chq",
    "version": "dbd00db8d87747fda87eb0b9a0a4d3ac",
    "operator": "devcloud_xxx",
    "operate_time": 1694398087000
  }
],
"total": 379
}
```

## Status Codes

Status Code	Description
200	Request succeeded.
400	Failed request
401	Authentication failed.
403	No permission.
404	The resource does not exist.

## Error Codes

See [Error Codes](#).

### 4.4.3 Updating a rule

#### Function

Updating a rule

#### URI

PUT /v2/{domain\_id}/rules/{rule\_id}/update

**Table 4-152** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.
rule_id	Yes	String	Rule ID

#### Request Parameters

**Table 4-153** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-154** Request body parameters

Parameter	Mandatory	Type	Description
type	Yes	String	Rule type
name	Yes	String	Rule Name
layout_content	Yes	String	Layout Content
plugin_id	No	String	Plug-in ID
plugin_name	No	String	Plug-in
plugin_version	No	String	Add-on version.

Parameter	Mandatory	Type	Description
content	Yes	Array of <a href="#">RuleContent</a> objects	Rule Attribute Set

**Table 4-155** RuleContent

Parameter	Mandatory	Type	Description
group_name	Yes	String	Group
can_modify_when_inherit	No	Boolean	Can the Threshold of an Inherited Subpolicy Be Modified?
properties	Yes	Array of <a href="#">RuleProperty</a> objects	Rule Attribute List

**Table 4-156** RuleProperty

Parameter	Mandatory	Type	Description
key	Yes	String	Attribute Key
type	Yes	String	Type
name	Yes	String	Display name
operator	No	String	Comparison Operators
value	Yes	String	Property value.
value_type	Yes	String	Data Type

## Response Parameters

**Status code: 200**

**Table 4-157** Response body parameters

Parameter	Type	Description
status	Boolean	Creation status
rule_id	String	Rule ID.

**Status code: 400**

**Table 4-158** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 401****Table 4-159** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 403****Table 4-160** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 404****Table 4-161** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

## 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",
  "layout_content" : "layout_content",
```

```
"content" : [ {  
  "group_name" : "API test pass rate access control",  
  "properties" : [ {  
    "key" : "pass_ratio",  
    "name" : "API test pass rate",  
    "type" : "judge",  
    "operator" : "=",  
    "value_type" : "float",  
    "value" : "0.5"  
  } ]  
} ]  
}
```

## Example Responses

**Status code: 200**

Request succeeded.

```
{  
  "status" : true,  
  "rule_id" : "425eba0deaf04596a74cf7967d7fc04d"  
}
```

## Status Codes

Status Code	Description
200	Request succeeded.
400	Failed request
401	Authentication failed.
403	No permission
404	The resource does not exist.

## Error Codes

See [Error Codes](#).

### 4.4.4 Deleting rules

#### Function

Deleting rules

#### URI

DELETE /v2/{domain\_id}/rules/{rule\_id}/delete

**Table 4-162** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.
rule_id	Yes	String	Rule ID.

## Request Parameters

**Table 4-163** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-164** Response body parameters

Parameter	Type	Description
status	Boolean	Status

**Status code: 400**

**Table 4-165** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 401**

**Table 4-166** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 403****Table 4-167** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 404****Table 4-168** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

## Example Requests

```
DELETE https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/  
2965ed53fe804115816b781ab20fef3c/delete
```

## Example Responses

**Status code: 200**

Request succeeded.

```
{  
  "status" : true  
}
```

## Status Codes

Status Code	Description
200	Request succeeded.
400	Failed request



Status Code	Description
401	Authentication failed.
403	No permission.
404	The resource does not exist.

## Error Codes

See [Error Codes](#).

## 4.4.5 Creating a rule

### Function

Creating a Rule

### URI

POST /v2/{domain\_id}/rules/create

**Table 4-169** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

## Request Parameters

**Table 4-170** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-171** Request body parameters

Parameter	Mandatory	Type	Description
type	Yes	String	Type: Build, Gate, Deploy, Test, Normal

Parameter	Mandatory	Type	Description
name	Yes	String	Rule Name
layout_content	Yes	String	Layout Content
plugin_id	No	String	Plug-in ID
plugin_name	No	String	Plug-in
plugin_version	No	String	Add-on version.
content	Yes	Array of <a href="#">RuleContent</a> objects	Rule Attribute Group List

**Table 4-172** RuleContent

Parameter	Mandatory	Type	Description
group_name	Yes	String	Group
can_modify_when_inherit	No	Boolean	Can the Threshold of an Inherited Subpolicy Be Modified?
properties	Yes	Array of <a href="#">RuleProperty</a> objects	Rule Attribute List

**Table 4-173** RuleProperty

Parameter	Mandatory	Type	Description
key	Yes	String	Attribute Key
type	Yes	String	Type
name	Yes	String	Display name
operator	No	String	Comparison Operators
value	Yes	String	Property value.
value_type	Yes	String	Data Type

## Response Parameters

Status code: 200

**Table 4-174** Response body parameters

Parameter	Type	Description
status	Boolean	Creation status
rule_id	String	Rule ID

**Status code: 400****Table 4-175** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
{  
  "status" : true,  
  "rule_id" : "2965ed53fe804115816b781ab20fef3c"  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

# 4.5 Tenant-level policy management

## 4.5.1 Creating a Ruleset

### Function

Creating a Ruleset

### URI

POST /v2/{domain\_id}/tenant/rule-sets/create

**Table 4-176** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-177** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-178** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Rule Set Name
rules	Yes	Array of <a href="#">RequestRuleInstance</a> objects	Rule Set

**Table 4-179** RequestRuleInstance

Parameter	Mandatory	Type	Description
id	No	String	Rule Instance ID
is_valid	No	Boolean	Rule Instance Status

## Response Parameters

**Status code: 200**

**Table 4-180** Response body parameters

Parameter	Type	Description
status	Boolean	Status
rule_set_id	String	Rule Set ID

**Status code: 400**

**Table 4-181** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
{
  "status": true,
  "rule_set_id": "9e0145159fdd49238aa1fcdd5b8239f9"
}
```

## 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 Modify Rule Set

### Function

Modify Rule Set

## URI

PUT /v2/{domain\_id}/tenant/rule-sets/{rule\_set\_id}/update

**Table 4-182** Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	Rule Set ID
domain_id	Yes	String	TenantID

## Request Parameters

**Table 4-183** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-184** Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	Rule Template Instance Name
rules	No	Array of <a href="#">UpdateRuleInstance</a> objects	List of rule instances

**Table 4-185** UpdateRuleInstance

Parameter	Mandatory	Type	Description
id	No	String	Rule Instance ID
is_valid	No	Boolean	Rule Instance Status

## Response Parameters

**Status code: 200**

**Table 4-186** Response body parameters

Parameter	Type	Description
status	Boolean	Status
rule_set_id	String	Rule Set ID

**Status code: 400****Table 4-187** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
{  
  "status": true,  
  "rule_set_id": "6cb18ee5ca1c48caa335706e0e5ee288"  
}
```

## Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized



Status Code	Description
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.5.3 Obtaining Rule Set Details

### Function

Obtaining Rule Set Details

### URI

GET /v2/{domain\_id}/tenant/rule-sets/{rule\_set\_id}/detail

**Table 4-188** Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	Rule Set ID
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-189** Query Parameters

Parameter	Mandatory	Type	Description
cloud_project_id	No	String	Project ID

## Request Parameters

**Table 4-190** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-191** Response body parameters

Parameter	Type	Description
id	String	Rule Template Instance ID
name	String	Rule Template Instance Name
type	String	Type
version	String	Version
creator	String	Created By
create_time	String	Created
updater	String	User who performs the last update.
update_time	String	Last update time.
is_valid	Boolean	Effective
rule_instances	Array of <a href="#">RuleInstance</a> objects	Rule Instance Set

**Table 4-192** RuleInstance

Parameter	Type	Description
id	String	Rule Instance ID
type	String	Rule Type ID
name	String	Rule Name
version	String	Rule version.
plugin_id	String	Plug-in ID
plugin_name	String	Plug-in
plugin_version	String	Add-on version.
is_valid	Boolean	Effective
editable	Boolean	Whether the pipeline is editable
content	Array of <a href="#">RuleInstanceContent</a> objects	Rule Attribute List

Parameter	Type	Description
parent	<a href="#">RuleSet</a> object	Brief information about the parent rule instance template

**Table 4-193** RuleInstanceContent

Parameter	Type	Description
group_name	String	Group Name
type	String	Group type
can_modify_when_inherit	Boolean	Can the Threshold of an Inherited Subpolicy Be Modified?
properties	Array of <a href="#">RuleInstanceProperty</a> objects	Rule Attribute List

**Table 4-194** RuleInstanceProperty

Parameter	Type	Description
key	String	Attribute Key
type	String	Type
name	String	Display name
operator	String	Comparison Operators
value	String	Property value.
value_type	String	Data Type

**Table 4-195** RuleSet

Parameter	Type	Description
id	String	Rule Template Instance ID
name	String	Rule Template Instance Name
type	String	Type
version	String	Version
operator	String	Latest Operator
operate_time	Long	Last Operation Time

Parameter	Type	Description
is_valid	Boolean	Effective
level	String	Tenant-level and project-level
is_public	Boolean	System Level

**Status code: 400**

**Table 4-196** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/  
6cb18ee5ca1c48caa335706e0e5ee288/detail?cloud_project_id=
```

## Example Responses

**Status code: 200**

OK

```
{  
  "id": "6cb18ee5ca1c48caa335706e0e5ee288",  
  "name": "Create a tenant-level policy.",  
  "version": "c0ca09cfd8a426bbdb8df4c34c4831e",  
  "is_valid": true,  
  "creator": "847a5317086c41798469d0868535943a",  
  "create_time": "2023-09-25T19:32:14",  
  "updater": "847a5317086c41798469d0868535943a",  
  "update_time": "2023-10-20T17:12:41",  
  "rule_instances": [ {  
    "id": "80cfcff078074b8aa7951d7b67b3137b",  
    "type": "Gate",  
    "name": "API automatic creation rule dyEnd",  
    "is_valid": true,  
    "version": "8128ca663cdc4cea9a6dc05e53ae0a55",  
    "plugin_id": "official_devcloud_apiTest",  
    "plugin_name": "official_devcloud_apiTest",  
    "plugin_version": "0.0.6",  
    "content": [ {  
      "group_name": "API test pass rate access control",  
      "can_modify_when_inherit": false,  
      "properties": [ {  
        "key": "apitest",  
        "type": "judge",  
        "name": "API test pass rate",  
        "value_type": "float",  
        "value": "0.5",  
        "operator": ">="  
      } ]  
    } ]  
  } ]  
}
```

```
}]  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.5.4 Obtaining the Rule Set List

### Function

Obtaining the Rule Set List

### URI

GET /v2/{domain\_id}/tenant/rule-sets/query

**Table 4-197** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-198** Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0.
limit	Yes	Integer	Number of records displayed on each page

Parameter	Mandatory	Type	Description
include_tenant_rule_set	Yes	Boolean	Whether tenant-level rules are included
name	No	String	Policy name, which is used for fuzzy query.
is_valid	No	Boolean	Whether the alarm is valid.
type	No	String	Rule Set Type
cloud_project_id	No	String	Project ID.

## Request Parameters

**Table 4-199** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-200** Response body parameters

Parameter	Type	Description
data	Array of <a href="#">RuleSet</a> objects	List of rule instances
total	Long	Total number.

**Table 4-201** RuleSet

Parameter	Type	Description
id	String	Rule Template Instance ID
name	String	Rule Template Instance Name

Parameter	Type	Description
type	String	Type
version	String	Version
operator	String	Latest Operator
operate_time	Long	Last Operation Time
is_valid	Boolean	Effective
level	String	Tenant-level and project-level
is_public	Boolean	System Level

**Status code: 400**

**Table 4-202** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/query?
name=&limit=2&offset=30&cloud_project_id=
```

## Example Responses

**Status code: 200**

OK

```
{
  "data": [ {
    "id": "30782f30c92e4c1dbc3c596075970d67",
    "name": "Creating a Tenant-Level Policy -apitest-rKaG on DJtest",
    "level": "tenant",
    "is_valid": true,
    "version": "67e915e472554f719abe513c28728d9f",
    "operator": "devcloud_xxx",
    "is_public": false,
    "operate_time": 1692695390000
  }, {
    "id": "4f5fb96022974a2781174584f799d8c2",
    "name": "Creating a Tenant-Level Policy on DJtest-apitest-S190",
    "level": "tenant",
    "is_valid": true,
    "version": "61ebfef577c34406b5647ac1d83e7bb8",
    "operator": "devcloud_xxx",
    "is_public": false,
    "operate_time": 1692695390000
  } ],
}
```

```
"total" : 333  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.5.5 Deleting a Ruleset

### Function

Deleting a Ruleset

### URI

DELETE /v2/{domain\_id}/tenant/rule-sets/{rule\_set\_id}/delete

**Table 4-203** Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	Rule Set ID
domain_id	Yes	String	Indicates the tenant ID.



## Request Parameters

**Table 4-204** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-205** Response body parameters

Parameter	Type	Description
status	Boolean	Status

**Status code: 400**

**Table 4-206** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
DELETE https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/  
7b69942175014a5ba40830c8f90b210a/delete
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status" : true  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.5.6 Switch Rule Set

### Function

Modifying the Status of a Rule Set

### URI

PUT /v2/{domain\_id}/tenant/rule-sets/{rule\_set\_id}/switch

**Table 4-207** Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	Rule Set ID
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-208** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-209** Request body parameters

Parameter	Mandatory	Type	Description
is_valid	Yes	Boolean	Rule Template Instance Status

## Response Parameters

**Status code: 200**

**Table 4-210** Response body parameters

Parameter	Type	Description
status	Boolean	Status
rule_set_id	String	Rule Set ID

**Status code: 400**

**Table 4-211** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/  
6cb18ee5ca1c48caa335706e0e5ee288/switch  
  
{  
  "is_valid" : false  
}
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status" : true,  
  "rule_set_id" : "6cb18ee5ca1c48caa335706e0e5ee288"  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

# 4.6 Project-level policy management

## 4.6.1 Obtaining the Project-Level Policy List

### Function

Obtaining the Project-Level Policy List

### URI

GET /v2/{project\_id}/rule-sets/query

**Table 4-212** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID

**Table 4-213** Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0.
limit	Yes	Integer	Number of records displayed on each page

Parameter	Mandatory	Type	Description
include_tenant_rule_set	Yes	Boolean	Whether tenant-level rules are included
name	No	String	Policy name, which is used for fuzzy query.
is_valid	No	Boolean	Whether the alarm is valid.
type	No	String	Rule Set Type

## Request Parameters

**Table 4-214** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-215** Response body parameters

Parameter	Type	Description
data	Array of <a href="#">RuleSet</a> objects	List of rule instances
total	Long	Total number.

**Table 4-216** RuleSet

Parameter	Type	Description
id	String	Rule Template Instance ID
name	String	Rule Template Instance Name
type	String	Type
version	String	Version

Parameter	Type	Description
operator	String	Latest Operator
operate_time	Long	Last Operation Time
is_valid	Boolean	Effective
level	String	Tenant-level and project-level
is_public	Boolean	System Level

**Status code: 400**

**Table 4-217** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
{
  "data": [ {
    "id": "98183e0e70634f4d99da7dc549496652",
    "name": "Creating a Policy - 20230915203425",
    "level": "project",
    "is_valid": true,
    "version": "82ed35e3ecd041ebace8d62347042368",
    "operator": "devcloud_xxx",
    "is_public": false,
    "operate_time": 1694781278000
  }, {
    "id": "becbd00aa13147c6a226283a4bad57e0",
    "name": "Creating a Policy - 20230817183223",
    "level": "project",
    "is_valid": true,
    "version": "e3cc0a3df511486ea36bdcb46df724f8",
    "operator": "devcloud_xxx",
    "is_public": false,
    "operate_time": 1693900336000
  }, {
    "id": "52b24f9add844832a2af11f2e760c730",
    "name": "codecheck-copy",
    "level": "project",
    "is_valid": true,
    "version": "a2e50e1972f348e0838679eabe0b4467",
    "operator": "devcloud_xxx",
```

```
"is_public" : false,
"operate_time" : 1693900325000
}, {
  "id" : "d899845c2eff4fa18860fa4b31c5ee31",
  "name" : "codecheck",
  "level" : "project",
  "is_valid" : true,
  "version" : "20f79c6ff8844f5391882d7b3497761b",
  "operator" : "devcloud_xxx",
  "is_public" : false,
  "operate_time" : 1693300726000
} ],
"total" : 4
}
```

## 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 Details About a Project-Level Policy

### Function

Querying Details About a Project-Level Policy

### URI

GET /v2/{project\_id}/rule-sets/{rule\_set\_id}/gray/detail

**Table 4-218** Path Parameters

Parameter	Mandatory	Type	Description
rule_set_id	Yes	String	Policy ID.
project_id	Yes	String	Project ID

## Request Parameters

None

## Response Parameters

Status code: 200

**Table 4-219** Response body parameters

Parameter	Type	Description
id	String	Rule Template Instance ID
name	String	Rule Template Instance Name
type	String	Type
version	String	Version
creator	String	Created By
create_time	String	Created
updater	String	User who performs the last update.
update_time	String	Last update time.
is_valid	Boolean	Effective
rule_instances	Array of <a href="#">RuleInstance</a> objects	Rule Instance Set

**Table 4-220** RuleInstance

Parameter	Type	Description
id	String	Rule Instance ID
type	String	Rule Type ID
name	String	Rule Name
version	String	Rule version.
plugin_id	String	Plug-in ID
plugin_name	String	Plug-in
plugin_version	String	Add-on version.
is_valid	Boolean	Effective
editable	Boolean	Whether the pipeline is editable
content	Array of <a href="#">RuleInstanceContent</a> objects	Rule Attribute List



Parameter	Type	Description
parent	<a href="#">RuleSet</a> object	Brief information about the parent rule instance template

**Table 4-221** RuleInstanceContent

Parameter	Type	Description
group_name	String	Group Name
type	String	Group type
can_modify_when_inherit	Boolean	Can the Threshold of an Inherited Subpolicy Be Modified?
properties	Array of <a href="#">RuleInstanceProperty</a> objects	Rule Attribute List

**Table 4-222** RuleInstanceProperty

Parameter	Type	Description
key	String	Attribute Key
type	String	Type
name	String	Display name
operator	String	Comparison Operators
value	String	Property value.
value_type	String	Data Type

**Table 4-223** RuleSet

Parameter	Type	Description
id	String	Rule Template Instance ID
name	String	Rule Template Instance Name
type	String	Type
version	String	Version
operator	String	Latest Operator
operate_time	Long	Last Operation Time

Parameter	Type	Description
is_valid	Boolean	Effective
level	String	Tenant-level and project-level
is_public	Boolean	System Level

**Status code: 400****Table 4-224** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

**Status code: 401****Table 4-225** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 403****Table 4-226** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

**Status code: 404****Table 4-227** Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

## Example Requests

```
https://{endpoint}/v2/d80a8a6530324b7bac972cbb8a9f28ec/rule-sets/f9228e23118c4fa5a9c86493ea0cffc2/gray/detail
```

## Example Responses

**Status code: 200**

OK

```
{
  "id": "f9228e23118c4fa5a9c86493ea0cffc2",
  "name": "System-Defined Policies",
  "version": "ace33a17a73442e398fedc123d047da2",
  "is_valid": true,
  "creator": "system",
  "create_time": "2022-11-14T16:12:12",
  "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": ">="
      } ]
    } ]
  } ]
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

# 4.7 Tenant-level open source governance policy management

## 4.7.1 Creating a Tenant-Level Open Source Governance Policy

### Function

Creating a Tenant-Level Open Source Governance Policy

### URI

POST /v2/{domain\_id}/tenant/open-source/rule-sets/create

**Table 4-228** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

### Request Parameters

**Table 4-229** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-230** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Open Source Governance Policy Name
content	Yes	<a href="#">OpenSourceRuleContent</a> object	Open Source Governance Policy Rule Details

**Table 4-231** OpenSourceRuleContent

Parameter	Mandatory	Type	Description
version_set	No	<a href="#">VersionSetProperty</a> object	Open-source dependencies
security	No	<a href="#">SecurityProperty</a> object	Vulnerability
license	No	<a href="#">LicenseProperty</a> object	License

**Table 4-232** VersionSetProperty

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
rules	No	Array of <a href="#">VersionSetRule</a> objects	Rule list.

**Table 4-233** VersionSetRule

Parameter	Mandatory	Type	Description
enable	No	Boolean	Health Check
ecosystem	No	String	Dependency Degree
package_name	No	String	Package name
package_version	No	String	Package Version
description	No	String	Rules
predicate	No	String	Comparison Rule

**Table 4-234** SecurityProperty

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
rules	No	<a href="#">SecurityRule</a> object	Rule Details

**Table 4-235** SecurityRule

Parameter	Mandatory	Type	Description
severity	No	<a href="#">severity</a> object	Severity
cve	No	<a href="#">cve</a> object	Vulnerability ID

**Table 4-236** severity

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
values	No	Array of strings	Severity

**Table 4-237** cve

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
values	No	Array of strings	Vulnerability ID

**Table 4-238** LicenseProperty

Parameter	Mandatory	Type	Description
enable	No	Boolean	Health Check
rules	No	Array of <a href="#">rules</a> objects	Rule list.

**Table 4-239** rules

Parameter	Mandatory	Type	Description
values	No	Array of strings	License Details
predicate	No	String	Comparison Rule

## Response Parameters

**Status code: 200**

**Table 4-240** Response body parameters

Parameter	Type	Description
status	Boolean	Status
rule_set_id	String	Rule Set ID

**Status code: 400**

**Table 4-241** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

POST <https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/open-source/rule-sets/create>

```
{
  "name" : "Creating an Open Source Governance Policy - 20231020180239",
  "content" : {
    "version_set" : {
      "enable" : true,
      "rules" : [ {
        "ecosystem" : "Maven",
        "package_name" : "sboot",
        "predicate" : "eq",
        "package_version" : "1.1",
        "description" : "",
        "enable" : true
      } ]
    },
    "security" : {
      "enable" : true,
      "rules" : {
        "severity" : {
          "enable" : false,
          "values" : [ ]
        },
        "cve" : {
          "enable" : false,
          "values" : [ "" ]
        }
      }
    },
    "license" : {
      "enable" : true,
      "rules" : [ {
        "values" : [ ],
        "predicate" : "contain"
      } ]
    }
  }
}
```

```
}  
}  
}
```

## Example Responses

Status code: 200

OK

```
{  
  "status" : true,  
  "rule_set_id" : "1ea8a33ca6d64efab19a99057625a14d"  
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.7.2 Modifying a Tenant-Level Open Source Governance Policy

### Function

Modifying a Tenant-Level Open Source Governance Policy

### URI

PUT /v2/{domain\_id}/tenant/open-source/rule-sets/{rule\_set\_id}/update

**Table 4-242** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID
rule_set_id	Yes	String	Rule Set ID



## Request Parameters

**Table 4-243** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-244** Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Open Source Governance Policy Name
parent_id	No	String	Parent Policy ID of Open Source Governance Policy
content	Yes	<b>OpenSourceRuleContent</b> object	Open Source Governance Policy Rule Details

**Table 4-245** OpenSourceRuleContent

Parameter	Mandatory	Type	Description
version_set	No	<b>VersionSetProperty</b> object	Open-source dependencies
security	No	<b>SecurityProperty</b> object	Vulnerability
license	No	<b>LicenseProperty</b> object	License

**Table 4-246** VersionSetProperty

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
rules	No	Array of <b>VersionSetRule</b> objects	Rule list.

**Table 4-247** VersionSetRule

Parameter	Mandatory	Type	Description
enable	No	Boolean	Health Check
ecosystem	No	String	Dependency Degree
package_name	No	String	Package name
package_version	No	String	Package Version
description	No	String	Rules
predicate	No	String	Comparison Rule

**Table 4-248** SecurityProperty

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
rules	No	<a href="#">SecurityRule</a> object	Rule Details

**Table 4-249** SecurityRule

Parameter	Mandatory	Type	Description
severity	No	<a href="#">severity</a> object	Severity
cve	No	<a href="#">cve</a> object	Vulnerability ID

**Table 4-250** severity

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
values	No	Array of strings	Severity

**Table 4-251** cve

Parameter	Mandatory	Type	Description
enable	No	Boolean	Enable Configuration
values	No	Array of strings	Vulnerability ID

**Table 4-252** LicenseProperty

Parameter	Mandatory	Type	Description
enable	No	Boolean	Health Check
rules	No	Array of <b>rules</b> objects	Rule list.

**Table 4-253** rules

Parameter	Mandatory	Type	Description
values	No	Array of strings	License Details
predicate	No	String	Comparison Rule

## Response Parameters

### Status code: 200

**Table 4-254** Response body parameters

Parameter	Type	Description
status	Boolean	Status
rule_set_id	String	Rule Set ID

### Status code: 400

**Table 4-255** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/open-source/rule-sets/5bd5bee0865242fcaa545371c2081a65/update

```
{
  "name" : "Creating an Open Source Governance Policy CC22",
  "content" : {
    "version_set" : {
      "enable" : true,
      "rules" : [ {
        "ecosystem" : "Maven",
        "package_name" : "sboot",
        "predicate" : "eq",
        "package_version" : "1.1",
        "description" : "",
        "enable" : true
      } ]
    },
    "security" : {
      "enable" : true,
      "rules" : {
        "severity" : {
          "enable" : false,
          "values" : [ ]
        },
        "cve" : {
          "enable" : false,
          "values" : [ "" ]
        }
      }
    },
    "license" : {
      "enable" : true,
      "rules" : [ {
        "predicate" : "contain",
        "values" : [ ]
      } ]
    }
  }
}
```

## Example Responses

**Status code: 200**

OK

```
{
  "status" : true,
  "rule_set_id" : "5bd5bee0865242fcaa545371c2081a65"
}
```

## Status Codes

Status Code	Description
200	OK
400	Bad request

Status Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.7.3 Querying Details About a Tenant-Level Open Source Governance Policy

### Function

Querying Details About a Tenant-Level Open Source Governance Policy

### URI

GET /v2/{domain\_id}/tenant/open-source/rule-sets/{rule\_set\_id}/detail

**Table 4-256** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.
rule_set_id	Yes	String	Rule Set ID

## Request Parameters

**Table 4-257** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-258** Response body parameters

Parameter	Type	Description
id	String	Policy ID.
name	String	Policy Name
level	String	Policy Level
parent_id	String	Parent Policy ID
version	String	Policy Versions
is_valid	Boolean	Enable Configuration
is_public	Boolean	Indicates whether the policy is a system-level policy.
creator	String	Created By
create_time	String	Created
updater	String	User who updated the data
update_time	String	Updated
content	<a href="#">OpenSourceRuleContent</a> object	Policy Rule Details

**Table 4-259** OpenSourceRuleContent

Parameter	Type	Description
version_set	<a href="#">VersionSetProperty</a> object	Open-source dependencies
security	<a href="#">SecurityProperty</a> object	Vulnerability
license	<a href="#">LicenseProperty</a> object	License

**Table 4-260** VersionSetProperty

Parameter	Type	Description
enable	Boolean	Enable Configuration
rules	Array of <a href="#">VersionSetRule</a> objects	Rule list.

**Table 4-261** VersionSetRule

Parameter	Type	Description
enable	Boolean	Health Check
ecosystem	String	Dependency Degree
package_name	String	Package name
package_version	String	Package Version
description	String	Rules
predicate	String	Comparison Rule

**Table 4-262** SecurityProperty

Parameter	Type	Description
enable	Boolean	Enable Configuration
rules	<a href="#">SecurityRule</a> object	Rule Details

**Table 4-263** SecurityRule

Parameter	Type	Description
severity	<a href="#">severity</a> object	Severity
cve	<a href="#">cve</a> object	Vulnerability ID

**Table 4-264** severity

Parameter	Type	Description
enable	Boolean	Enable Configuration
values	Array of strings	Severity

**Table 4-265** cve

Parameter	Type	Description
enable	Boolean	Enable Configuration
values	Array of strings	Vulnerability ID

**Table 4-266** LicenseProperty

Parameter	Type	Description
enable	Boolean	Health Check
rules	Array of <b>rules</b> objects	Rule list.

**Table 4-267** rules

Parameter	Type	Description
values	Array of strings	License Details
predicate	String	Comparison Rule

**Status code: 400**

**Table 4-268** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/open-source/rule-sets/5bd5bee0865242fcaa545371c2081a65/detail
```

## Example Responses

**Status code: 200**

OK

```
{  
  "id" : "5bd5bee0865242fcaa545371c2081a65",
```



```
"name" : "Creating an Open Source Governance Policy CC22",
"level" : "tenant",
"version" : "5fc812e9f5414f58859c3393319dd2ae",
"is_valid" : false,
"is_public" : false,
"creator" : "6417ffac26074726bdd074a766ce7852",
"create_time" : "2023-09-19T11:00:33",
"updater" : "2f46b8efe31342be936443643f50b4af",
"update_time" : "2023-09-28T09:57:06",
"content" : {
  "version_set" : {
    "enable" : true,
    "rules" : [ ]
  },
  "security" : {
    "enable" : true,
    "rules" : {
      "severity" : {
        "enable" : false,
        "values" : [ ]
      },
      "cve" : {
        "enable" : false,
        "values" : [ "" ]
      }
    }
  },
  "license" : {
    "enable" : true,
    "rules" : [ {
      "predicate" : "contain",
      "values" : [ ]
    } ]
  }
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.7.4 Querying the Tenant-Level Open Source Governance Policy List

### Function

Querying the Tenant-Level Open Source Governance Policy List

### URI

GET /v2/{domain\_id}/tenant/open-source/rule-sets/query

**Table 4-269** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-270** Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Policy
creator_name	No	String	Policy Creator Name
limit	No	Integer	Pagination parameter. The default value is 15.
offset	No	Integer	Pagination parameter. The default value is 0.

### Request Parameters

**Table 4-271** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

### Response Parameters

**Status code: 200**

**Table 4-272** Response body parameters

Parameter	Type	Description
total	Integer	Total number.
data	Array of <b>SimpleOpenSourceRuleSetVO</b> objects	Open Source Governance Policy List

**Table 4-273** SimpleOpenSourceRuleSetVO

Parameter	Type	Description
id	String	Open Source Governance Policy ID
name	String	Open Source Governance Policy Name
level	String	Open Source Governance Policy Level (tenant-tenant-level, project-project-level)
is_valid	Boolean	Available or Not
version	String	Version
operator	String	Operator
is_public	Boolean	System Policy
is_legacy	Boolean	Old Version or Not
operate_time	Long	Operated

**Status code: 400****Table 4-274** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/open-source/rule-sets/query?name=&limit=10&offset=20
```

## Example Responses

**Status code: 200**

OK

```
{
  "data": [ {
    "id": "883f1208ab0048e9aae21a10160982e8",
    "name": "APITest_4fNOVk",
    "level": "tenant",
    "is_valid": true,
    "version": "2adaff1dea3f477e918c9629be900356",
    "operator": "devcloud_xxx",
    "is_public": false,
    "is_legacy": null,
    "operate_time": 1684987087000
  }, {
    "id": "17fcabdb890c4342a66349cc74e4115a",
    "name": "APITest_92A6dQ",
    "level": "tenant",
    "is_valid": true,
    "version": "dc0c2354e7e140959a9fa26119ad558c",
    "operator": "devcloud_xxx",
    "is_public": false,
    "is_legacy": null,
    "operate_time": 1684986715000
  }, {
    "id": "edb7794d28994f5183ac2bd724665e5d",
    "name": "CreatePolicy-20230524110450",
    "level": "tenant",
    "is_valid": true,
    "version": "5d88f49a589a44cf9becaf75e72c4922",
    "operator": "devcloud_xxx",
    "is_public": false,
    "is_legacy": null,
    "operate_time": 1684897626000
  }, {
    "id": "3531812b8c7e4708bcb663c0a454d87b",
    "name": "NewOsgPolicy-20230524100437",
    "level": "tenant",
    "is_valid": true,
    "version": "4f869bd73e924d639758391d6daa777d",
    "operator": "devcloud_xxx",
    "is_public": false,
    "is_legacy": null,
    "operate_time": 1684897136000
  }, {
    "id": "c80f598200eb422084ce1f4ebd79d9e5",
    "name": "Creating an Open Source Governance Policy - 20230523110532",
    "level": "tenant",
    "is_valid": true,
    "version": "25244e5a9b30453aa3d3f89f42f6a1ad",
    "operator": "devcloud_xxx",
    "is_public": false,
    "is_legacy": null,
    "operate_time": 1684811168000
  }, {
    "id": "da394b4c0d5c48698773afc7642e300a",
    "name": "Creating an Open Source Governance Policy - 20230523110517",
    "level": "tenant",
    "is_valid": true,
    "version": "35f41b393a49423abe9909ba11fb166d",
    "operator": "devcloud_xxx",
    "is_public": false,
    "is_legacy": null,
    "operate_time": 1684811120000
  }, {
    "id": "c1824854160b4a24b3b138da804e8dd1",
    "name": "Creating an Open Source Governance Policy - 20230523110411",
    "level": "tenant",
    "is_valid": true,
    "version": "49b02b100e77481caaae98d4b937f794",
    "operator": "devcloud_xxx",
```

```
"is_public" : false,
"is_legacy" : null,
"operate_time" : 1684811056000
}, {
  "id" : "883397de70e54ff7ad5004a79f727fb2",
  "name" : "APITest_wfm5lq",
  "level" : "tenant",
  "is_valid" : true,
  "version" : "7dc702f60e4741adad0c460a3a120406",
  "operator" : "devcloud_xxx",
  "is_public" : false,
  "is_legacy" : null,
  "operate_time" : 1684756995000
}, {
  "id" : "968c76ef5d704e62ad0ae812a34c03d2",
  "name" : "cjrTest: tenant-level",
  "level" : "tenant",
  "is_valid" : true,
  "version" : "c79cfa5fc11b456f8d22592a87815c9f",
  "operator" : "devcloud_xxx",
  "is_public" : false,
  "is_legacy" : null,
  "operate_time" : 1684722851000
}],
"total" : 29
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.7.5 Deleting a Tenant-Level Open Source Governance Policy

### Function

Deleting a Tenant-Level Open Source Governance Policy

### URI

DELETE /v2/{domain\_id}/tenant/open-source/rule-sets/{rule\_set\_id}/delete

**Table 4-275** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.
rule_set_id	Yes	String	Policy ID.

## Request Parameters

**Table 4-276** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-277** Response body parameters

Parameter	Type	Description
status	Boolean	Status

**Status code: 400**

**Table 4-278** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
DELETE https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/open-source/rule-sets/da4703a10ca543268e6e487540ea9e0f/delete
```

## Example Responses

**Status code: 200**

OK

```
{  
  "status" : true  
}
```

## 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 Changing the Enabling Status of a Tenant-Level Open Source Governance Policy

#### Function

Changing the Enabling Status of a Tenant-Level Open Source Governance Policy

#### URI

PUT /v2/{domain\_id}/tenant/open-source/rule-sets/{rule\_set\_id}/switch

**Table 4-279** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.
rule_set_id	Yes	String	Policy ID.

## Request Parameters

**Table 4-280** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-281** Request body parameters

Parameter	Mandatory	Type	Description
is_valid	Yes	Boolean	Rule Template Instance Status

## Response Parameters

**Status code: 200****Table 4-282** Response body parameters

Parameter	Type	Description
status	Boolean	Status
rule_set_id	String	Rule Set ID

**Status code: 400****Table 4-283** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/open-source/rule-sets/da4703a10ca543268e6e487540ea9e0f/switch
```

```
{  
  "is_valid" : false  
}
```



## Example Responses

Status code: 200

OK

```
{
  "status" : true,
  "rule_set_id" : "da4703a10ca543268e6e487540ea9e0f"
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

# 4.8 Project-level open source governance policy management

## 4.8.1 Querying Details About a Project-Level Open Source Governance Policy

### Function

Querying Details About a Project-Level Open Source Governance Policy

### URI

GET /v2/{project\_id}/open-source/rule-sets/{rule\_set\_id}/detail

**Table 4-284** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID
rule_set_id	Yes	String	Policy ID.

## Request Parameters

**Table 4-285** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200****Table 4-286** Response body parameters

Parameter	Type	Description
id	String	Policy ID.
name	String	Policy Name
level	String	Policy Level
parent_id	String	Parent Policy ID
version	String	Policy Versions
is_valid	Boolean	Enable Configuration
is_public	Boolean	Indicates whether the policy is a system-level policy.
creator	String	Created By
create_time	String	Created
updater	String	User who updated the data
update_time	String	Updated
content	<b>OpenSourceRuleContent</b> object	Policy Rule Details

**Table 4-287** OpenSourceRuleContent

Parameter	Type	Description
version_set	<a href="#">VersionSetProperty</a> object	Open-source dependencies
security	<a href="#">SecurityProperty</a> object	Vulnerability
license	<a href="#">LicenseProperty</a> object	License

**Table 4-288** VersionSetProperty

Parameter	Type	Description
enable	Boolean	Enable Configuration
rules	Array of <a href="#">VersionSetRule</a> objects	Rule list.

**Table 4-289** VersionSetRule

Parameter	Type	Description
enable	Boolean	Health Check
ecosystem	String	Dependency Degree
package_name	String	Package name
package_version	String	Package Version
description	String	Rules
predicate	String	Comparison Rule

**Table 4-290** SecurityProperty

Parameter	Type	Description
enable	Boolean	Enable Configuration
rules	<a href="#">SecurityRule</a> object	Rule Details

**Table 4-291** SecurityRule

Parameter	Type	Description
severity	<a href="#">severity</a> object	Severity
cve	<a href="#">cve</a> object	Vulnerability ID

**Table 4-292** severity

Parameter	Type	Description
enable	Boolean	Enable Configuration
values	Array of strings	Severity

**Table 4-293** cve

Parameter	Type	Description
enable	Boolean	Enable Configuration
values	Array of strings	Vulnerability ID

**Table 4-294** LicenseProperty

Parameter	Type	Description
enable	Boolean	Health Check
rules	Array of <a href="#">rules</a> objects	Rule list.

**Table 4-295** rules

Parameter	Type	Description
values	Array of strings	License Details
predicate	String	Comparison Rule

**Status code: 400**

**Table 4-296** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v2/d80a8a6530324b7bac972cbb8a9f28ec/open-source/rule-sets/  
60eab9fd2b144f619a3563b2e0036a61/detail
```

## Example Responses

**Status code: 200**

OK

```
{  
  "id": "60eab9fd2b144f619a3563b2e0036a61",  
  "name": "Creating an Open Source Governance Policy - 20231020154413",  
  "level": "project",  
  "version": "a108f6b1effb4b03a9505288f8801e65",  
  "is_valid": true,  
  "is_public": false,  
  "creator": "847a5317086c41798469d0868535943a",  
  "create_time": "2023-10-20T15:44:41",  
  "updater": "847a5317086c41798469d0868535943a",  
  "update_time": "2023-10-20T15:44:41",  
  "content": {  
    "version_set": {  
      "enable": true,  
      "rules": [ {  
        "enable": true,  
        "ecosystem": "Maven",  
        "package_name": "springboot",  
        "package_version": "2.5",  
        "description": "",  
        "predicate": "eq"  
      } ]  
    },  
    "security": {  
      "enable": true,  
      "rules": {  
        "severity": {  
          "enable": true,  
          "values": [ "Critical", "High", "Medium" ]  
        },  
        "cve": {  
          "enable": false,  
          "values": [ "" ]  
        }  
      }  
    },  
    "license": {  
      "enable": true,  
      "rules": [ {  
        "predicate": "contain",  
        "values": [ ]  
      } ]  
    }  
  }  
}
```

## 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 the Project-Level Open Source Governance Policy List

### Function

Querying the Project-Level Open Source Governance Policy List

### URI

GET /v2/{project\_id}/open-source/rule-sets/query

**Table 4-297** Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID

**Table 4-298** Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Policy
creator_name	No	String	Policy Creator Name
include_tenant_rule_set	Yes	Boolean	Specifies whether the policy of the tenant to which the current project belongs is included.
limit	No	Integer	Pagination parameter. The default value is 15.

Parameter	Mandatory	Type	Description
offset	No	Integer	Pagination parameter. The default value is 0.

## Request Parameters

Table 4-299 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

Table 4-300 Response body parameters

Parameter	Type	Description
total	Integer	Total number.
data	Array of <a href="#">SimpleOpenSourceRuleSetVO</a> objects	Open Source Governance Policy List

Table 4-301 SimpleOpenSourceRuleSetVO

Parameter	Type	Description
id	String	Open Source Governance Policy ID
name	String	Open Source Governance Policy Name
level	String	Open Source Governance Policy Level (tenant-tenant-level, project-project-level)
is_valid	Boolean	Available or Not
version	String	Version
operator	String	Operator

Parameter	Type	Description
is_public	Boolean	System Policy
is_legacy	Boolean	Old Version or Not
operate_time	Long	Operated

**Status code: 400**

**Table 4-302** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v2/d80a8a6530324b7bac972cbb8a9f28ec/open-source/rule-sets/query?name=&limit=10&offset=0&include_tenant_rule_set=false
```

## Example Responses

**Status code: 200**

OK

```
{
  "data" : [ {
    "id" : "60eab9fd2b144f619a3563b2e0036a61",
    "name" : "Creating an Open Source Governance Policy - 20231020154413",
    "level" : "project",
    "is_valid" : true,
    "version" : "a108f6b1effb4b03a9505288f8801e65",
    "operator" : "devcloud_xxx",
    "is_public" : false,
    "is_legacy" : null,
    "operate_time" : 1697787881000
  } ],
  "total" : 1
}
```

## Status Codes

Status Code	Description
200	OK
400	Bad request
401	Unauthorized



Status Code	Description
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

# 4.9 Extension Plug-in Management

## 4.9.1 Creating a Plug-in Version

### Function

Creating a Plug-in Version

### URI

POST /v1/{domain\_id}/agent-plugin/create

**Table 4-303** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

### Request Parameters

**Table 4-304** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-305** Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	Unique ID
icon_url	No	String	Icon URL
runtime_attri bution	No	String	Operating attributes
plugin_name	No	String	Plug-in
display_name	No	String	Display Name
business_type	No	String	Service Type
business_type _display_nam e	No	String	Display Name of Service Type
description	No	String	Description
is_private	No	Integer	Private
region	No	String	Site
maintainers	No	String	Maintainer
version	No	String	Version
version_descri ption	No	String	Version Description
execution_inf o	No	<b>execution_inf o</b> object	Execution Information
input_info	No	Array of <b>input_info</b> objects	Entering information

**Table 4-306** execution\_info

Parameter	Mandatory	Type	Description
inner_executi on_info	No	Object	Execution Information

**Table 4-307** input\_info

Parameter	Mandatory	Type	Description
name	No	String	Name

Parameter	Mandatory	Type	Description
default_value	No	String	Default Value
type	No	String	Input Type
validation	No	String	Verification
layout_content	No	String	Style Information

## Response Parameters

Status code: 400

Table 4-308 Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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": "ab43c83c2ae0400afd039ad894e953b",
  "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",
        "identifier": "1699354366638cda5035-4854-4bc8-a88a-e1465b1bcc7a",
        "variables": {
          "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
      }
    ]
  }
}
```

## Example Responses

Status code: 200

Indicates whether the invoking is successful.

true

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.2 Creating a Plug-in Draft Version

### Function

Creating a Plug-in Draft Version

### URI

POST /v1/{domain\_id}/agent-plugin/create-draft

**Table 4-309** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

### Request Parameters

**Table 4-310** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-311** Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	Unique ID
icon_url	No	String	Icon URL
runtime_attri bution	No	String	Operating attributes
plugin_name	No	String	Plug-in
display_name	No	String	Display Name
business_type	No	String	Service Type
business_type _display_nam e	No	String	Display Name of Service Type
description	No	String	Description
is_private	No	Integer	Private
region	No	String	Site
maintainers	No	String	Maintainer
version	No	String	Version
version_descri ption	No	String	Version Description
execution_inf o	No	<a href="#">execution_inf o</a> object	Execution Information
input_info	No	Array of <a href="#">input_info</a> objects	Entering information

**Table 4-312** execution\_info

Parameter	Mandatory	Type	Description
inner_executi on_info	No	Object	Execution Information

**Table 4-313** input\_info

Parameter	Mandatory	Type	Description
name	No	String	Name

Parameter	Mandatory	Type	Description
default_value	No	String	Default Value
type	No	String	Input Type
validation	No	String	Verification
layout_content	No	String	Style Information

## Response Parameters

Status code: 400

Table 4-314 Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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",
        "identifier": "16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb",
        "variables": {
          "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
      }
    ]
  }
},
  "runtime_attribution": "agent"
}
```

## Example Responses

Status code: 200

Indicates whether the invoking is successful.

true

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.3 Creating a publisher

### Function

Creating a publisher

### URI

POST /v1/{domain\_id}/publisher/create

**Table 4-315** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

### Request Parameters

**Table 4-316** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-317** Request body parameters

Parameter	Mandatory	Type	Description
name	No	String	Name
user_id	No	String	Specifies the user ID.
description	No	String	Description
logo_url	No	String	Icon URL
website	No	String	Web page URL
support_url	No	String	Address
source_url	No	String	Address
en_name	No	String	Full name
publisher_unique_id	No	String	Unique ID

## Response Parameters

**Status code: 400**

**Table 4-318** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

Indicates whether the invoking is successful.

```
true
```



## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.4 Update Plug-in Draft

### Function

Update Plug-in Draft

### URI

POST /v1/{domain\_id}/agent-plugin/edit-draft

**Table 4-319** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

## Request Parameters

**Table 4-320** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-321** Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	Unique ID
icon_url	No	String	Icon URL
runtime_attri bution	No	String	Operating attributes
plugin_name	No	String	Plug-in
display_name	No	String	Display Name
business_type	No	String	Service Type
business_type _display_nam e	No	String	Display Name of Service Type
description	No	String	Description
is_private	No	Integer	Private
region	No	String	Site
maintainers	No	String	Maintainer
version	No	String	Version
version_descri ption	No	String	Version Description
execution_inf o	No	<b>execution_inf o</b> object	Execution Information
input_info	No	Array of <b>input_info</b> objects	Entering information

**Table 4-322** execution\_info

Parameter	Mandatory	Type	Description
inner_executi on_info	No	Object	Execution Information

**Table 4-323** input\_info

Parameter	Mandatory	Type	Description
name	No	String	Name

Parameter	Mandatory	Type	Description
default_value	No	String	Default Value
type	No	String	Input Type
validation	No	String	Verification
layout_content	No	String	Style Information

## Response Parameters

Status code: 400

Table 4-324 Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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",
        "identifier": "16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb",
        "variables": {
          "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
      }
    ]
  }
},
  "runtime_attribution": "agent"
}
```

## Example Responses

Status code: 200

Indicates whether the invoking is successful.

true

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.5 Releasing a Plug-in Draft

### Function

Releasing a Plug-in Draft

### URI

POST /v1/{domain\_id}/agent-plugin/publish-draft

**Table 4-325** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-326** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-327** Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
version	No	String	Version
plugin_attribution	No	String	Plug-in Attribute
version_attribution	No	String	Version Attribute

## Response Parameters

**Status code: 400**

**Table 4-328** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/publish-draft
{
  "plugin_name": "testset",
  "display_name": "testset",
  "version": "0.0.1",
  "plugin_attribution": "custom"
}
```

## Example Responses

**Status code: 200**

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.

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

## Error Codes

See [Error Codes](#).

## 4.9.6 Updating Basic Plug-in Information

### Function

Updating Basic Plug-in Information

### URI

POST /v1/{domain\_id}/agent-plugin/update-info

**Table 4-329** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-330** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-331** Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	Unique ID
icon_url	No	String	Icon URL
runtime_attri bution	No	String	Operating attributes
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
business_type	No	String	Service Type
business_type _display_nam e	No	String	Display Name of Service Type
description	No	String	Description
is_private	No	Integer	Private
region	No	String	Site
maintainers	No	String	Maintainer
plugin_compo sition_type	No	String	Combination Plug-in Type

## Response Parameters

**Status code: 400**

**Table 4-332** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.7 Releasing a Plug-in

### Function

Releasing a Plug-in

### URI

POST /v1/{domain\_id}/agent-plugin/publish-plugin

**Table 4-333** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.



## Request Parameters

**Table 4-334** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-335** Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
version	No	String	Version
publisher_unique_id	No	String	Publisher ID

## Response Parameters

**Status code: 400**

**Table 4-336** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/publish-plugin
{
  "plugin_name": "basic_plugin",
  "version": "",
  "publisher_unique_id": "b9fc8fb6d9194536ac66dd74c2212126"
}
```

## Example Responses

**Status code: 200**

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.8 Binding a Plug-in to a Publisher

### Function

Binding a Plug-in to a Publisher

### URI

POST /v1/{domain\_id}/agent-plugin/publish-plugin-bind

**Table 4-337** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-338** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-339** Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
version	No	String	Version
publisher_unique_id	No	String	Publisher ID

## Response Parameters

**Status code: 400**

**Table 4-340** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden

Status Code	Description
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.9 Updating the Plug-in Icon

### Function

Updating the Plug-in Icon

### URI

POST /v1/{domain\_id}/common/upload-plugin-icon

**Table 4-341** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

**Table 4-342** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in

## Request Parameters

**Table 4-343** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-344** FormData parameters

Parameter	Mandatory	Type	Description
upload_file	Yes	File	Icon File

## Response Parameters

Status code: 400

**Table 4-345** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/common/upload-plugin-icon?
plugin_name=apie_test
```

## Example Responses

Status code: 200

Icon path.

```
/api/v1/ce8df55870164338a72d7e828a966a2a/common/get-plugin-icon?object_key=apie_test-3
a9aa612ab8747898c8b2832561d6751-2023-08-03141751.png-
ce8df55870164338a72d7e828a966a2a&icon_type=plugin
```

## Status Codes

Status Code	Description
200	Icon path.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.10 Updating the Publisher Icon

### Function

Updating the Publisher Icon

### URI

POST /v1/{domain\_id}/common/upload-publisher-icon

**Table 4-346** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-347** Query Parameters

Parameter	Mandatory	Type	Description
publisher_en_name	No	String	Publisher Name

### Request Parameters

**Table 4-348** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-349** FormData parameters

Parameter	Mandatory	Type	Description
upload_file	Yes	File	Icon File

### Response Parameters

Status code: 400

**Table 4-350** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/common/upload-publisher-icon
```

## Example Responses

**Status code: 200**

Icon Access Path

```
/api/v1/ce8df55870164338a72d7e828a966a2a/common/get-plugin-icon?object_key=default-82960e8ecd194e07bcb5e4e660b7439f-2023-08-03141751.png-ce8df55870164338a72d7e828a966a2a&icon_type=publish
```

## Status Codes

Status Code	Description
200	Icon Access Path
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.11 Deleting a Plug-in Draft

### Function

Deleting a Plug-in Draft

### URI

```
DELETE /v1/{domain_id}/agent-plugin/delete-draft
```

**Table 4-351** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-352** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
version	No	String	Version

## Request Parameters

**Table 4-353** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 400**

**Table 4-354** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
DELETE https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/delete-draft?
plugin_name=apie_test&version=0.0.3
```

## Example Responses

**Status code: 200**

Indicates whether the invoking is successful.



true

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.12 Querying the Publisher List

### Function

Querying the Publisher List

### URI

GET /v1/{domain\_id}/publisher/query-all

**Table 4-355** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

**Table 4-356** Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	Offset
limit	No	String	Size
name	No	String	Name

## Request Parameters

**Table 4-357** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-358** Response body parameters

Parameter	Type	Description
offset	Integer	Queries the offset.
limit	Integer	Number of items queried each time
total	Long	Query the total number
data	Array of <b>PublisherVO</b> objects	Data list

**Table 4-359** PublisherVO

Parameter	Type	Description
publisher_unique_id	String	Publisher ID
user_id	String	User ID
tenant_id	String	Indicates the tenant ID.
description	String	Description
logo_url	String	Icon URL
website	String	Web page URL
support_url	String	Address
source_url	String	Address
en_name	String	English name

Parameter	Type	Description
name	String	Name
auth_status	String	Authorization Status
is_delete	Integer	Auto Delete
last_update_user_name	String	Updated By
last_update_user_id	String	ID of the person who last updates the document.
last_update_time	String	Last updated time

**Status code: 400**

**Table 4-360** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/query-all?name=&limit=10&offset=0&_=1699357492733
```

## Example Responses

**Status code: 200**

OK

```
{
  "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",
```



## 4.9.13 Querying Available Publishers

### Function

Querying Available Publishers

### URI

GET /v1/{domain\_id}/publisher/optional-publisher

**Table 4-361** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

### Request Parameters

**Table 4-362** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

### Response Parameters

**Status code: 200**

**Table 4-363** Response body parameters

Parameter	Type	Description
[items]	Array of <b>PublisherVO</b> objects	OK

**Table 4-364** PublisherVO

Parameter	Type	Description
publisher_unique_id	String	Publisher ID

Parameter	Type	Description
user_id	String	User ID
tenant_id	String	Indicates the tenant ID.
description	String	Description
logo_url	String	Icon URL
website	String	Web page URL
support_url	String	Address
source_url	String	Address
en_name	String	English name
name	String	Name
auth_status	String	Authorization Status
is_delete	Integer	Auto Delete
last_update_user_name	String	Updated By
last_update_user_id	String	ID of the person who last updates the document.
last_update_time	String	Last updated time

**Status code: 400**

**Table 4-365** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/optional-publisher
```

## Example Responses

**Status code: 200**

OK

```
[ {  
  "publisher_unique_id" : "b9fc8fb6d9194536ac66dd74c2212126",  
  "user_id" : "847a5317086c41798469d0868535943a",
```



## Request Parameters

**Table 4-367** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-368** Request body parameters

Parameter	Mandatory	Type	Description
use_condition	No	String	Used to distinguish whether a plug-in can be used by a pipeline or a template.
comp_id	No	String	Microservice ID
comp_name	No	String	Indicates the microservice name.
cloud_id	No	String	Site ID
strategy_id	No	String	Policy ID.
category	No	String	Pipeline Type
publish_tab	No	String	Whether to release the pipeline
platform	No	String	Deployment Platform
comp_extend_type	No	String	Component Type
deploy_type	No	String	Deployment Type

## Response Parameters

**Status code: 200**



**Table 4-369** Response body parameters

Parameter	Type	Description
full_stage_plugins_item_list	Array of <a href="#">full_stage_plugins_item_list</a> objects	Viewing execution results

**Table 4-370** full\_stage\_plugins\_item\_list

Parameter	Type	Description
plugins_list	Array of <a href="#">plugins_list</a> objects	Plug-in
display_name	String	Display Name
business_type	String	Service Type
unique_id	String	Unique ID
conditions	Array of strings	Condition
addables	Array of <a href="#">addables</a> objects	Additional Attribute
editable	Boolean	Whether the pipeline is editable
removable	Boolean	Removable
cloneable	Boolean	Replicable or Not
disabled	Boolean	Disable

**Table 4-371** plugins\_list

Parameter	Type	Description
unique_id	String	Unique ID
display_name	String	Display Name
plugin_name	String	Plug-in
disabled	Boolean	Disable
group_name	String	Group Name
group_type	String	Group type

Parameter	Type	Description
plugin_attri bution	String	Plug-in Attribute
plugin_compo sition_type	String	Composite Plug-in
runtime_attri bution	String	Operating attributes
all_steps	Array of <a href="#">all_steps</a> objects	Basic Plug-in List
description	String	Description
version_attri bution	String	Version Attribute
icon_url	String	Icon URL
multi_step_ed itable	Integer	Whether the pipeline is editable
standard	Boolean	Standard

**Table 4-372** all\_steps

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
version	String	Version

**Table 4-373** addables

Parameter	Type	Description
additionalPro p1	Boolean	Extra attribute 1
additionalPro p2	Boolean	Extra attribute 2
additionalPro p3	Boolean	Extra attribute 3

**Status code: 400**

**Table 4-374** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/relation/stage-plugins
```

## Example Responses

**Status code: 200**

OK

```
{
  "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- builds .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
  } ]
}
```

## Status Codes

Status Code	Description
200	OK

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

## Error Codes

See [Error Codes](#).

### 4.9.15 Querying the Basic Plug-in List

#### Function

Querying the Basic Plug-in List

#### URI

GET /v1/{domain\_id}/relation/plugin/single

**Table 4-375** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-376** Query Parameters

Parameter	Mandatory	Type	Description
attribution	No	String	Attribute
offset	No	String	Offset
limit	No	String	Size

## Request Parameters

**Table 4-377** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200****Table 4-378** Response body parameters

Parameter	Type	Description
offset	Integer	Offset
limit	Integer	Size
total	Integer	Total number.
data	Array of <b>data</b> objects	Viewing execution results

**Table 4-379** data

Parameter	Type	Description
name	String	Name
display_name	String	Display Name
plugin_attribution	String	Attribute
icon_url	String	Icon URL
description	String	Description
publisher_id	String	Publisher ID
manifest_version	String	Version

**Status code: 400**

**Table 4-380** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/relation/plugin/single?
limit=10&offset=0&attribution=official&_=1699356895028
```

## Example Responses

**Status code: 200**

OK

```
{
  "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
  } ]
}
```

## Status Codes

Status Code	Description
200	OK
400	Bad request

Status Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.16 Querying the List of Optional Plug-ins in Pagination Mode

### Function

Querying the List of Optional Plug-ins in Pagination Mode

### URI

POST /v1/{domain\_id}/relation/plugins

**Table 4-381** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-382** Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Offset
limit	Yes	Integer	Size

## Request Parameters

**Table 4-383** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-384** Request body parameters

Parameter	Mandatory	Type	Description
use_condition	No	String	Used to distinguish whether a plug-in can be used by a pipeline or a template.
input_repo_type	No	String	Source code repository type, such as codehub, gitlab, and github.
input_source_type	No	String	Used to distinguish single-source and multi-source scenarios.
business_type	No	String	Service Type
regex_name	No	String	Name

## Response Parameters

**Status code: 200**

**Table 4-385** Response body parameters

Parameter	Type	Description
offset	Integer	Offset
limit	Integer	Size
total	Integer	Total number.
data	Array of <b>data</b> objects	Result set



**Table 4-386** data

Parameter	Type	Description
business_type	String	Service Type
display_name	String	Display Name
unique_id	String	Unique ID
editable	Boolean	Editable
removable	Boolean	Removable
cloneable	Boolean	Replicability
disabled	Boolean	Disable
conditions	Array of strings	Condition
plugins_list	Array of <a href="#">plugins_list</a> objects	Plug-in

**Table 4-387** plugins\_list

Parameter	Type	Description
unique_id	String	Unique ID
display_name	String	Display Name
plugin_name	String	Plug-in
disabled	Boolean	Disable
group_name	String	Group Name
group_type	String	Group type
plugin_attribution	String	Attribute
plugin_composition_type	String	Composite Plug-in
runtime_attribution	String	Operating attributes
all_steps	Array of <a href="#">all_steps</a> objects	Basic Plug-in List
description	String	Description

Parameter	Type	Description
version_attri bution	String	Version Attribute
icon_url	String	Icon URL
multi_step_ed itable	Integer	Editable
location	String	Address
publisher_uni que_id	String	Publisher ID
manifest_versi on	String	Version

**Table 4-388** all\_steps

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
version	String	Version

**Status code: 400****Table 4-389** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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": ""
}
```

## Example Responses

**Status code: 200**

OK

```
{
  "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,
      "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" : "CodeCheck",
"business_type" : "Gate",
"unique_id" : "032ad7e2-5e19-4e90-8517-0958deb89e12",
"conditions" : null,
"editable" : false,
"removable" : false,
"cloneable" : false,
"disabled" : false
}
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

### 4.9.17 Listing add-ons

#### Function

Listing add-ons

#### URI

POST /v1/{domain\_id}/agent-plugin/query-all

**Table 4-390** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-391** Query Parameters

Parameter	Mandatory	Type	Description
offset	No	String	Offset
limit	No	String	Size

## Request Parameters

**Table 4-392** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-393** Request body parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
regex_name	No	String	Name
maintainer	No	String	Maintainer
business_type	No	Array of strings	Service Type
plugin_attribution	No	String	Attribute

## Response Parameters

**Status code: 200**

**Table 4-394** Response body parameters

Parameter	Type	Description
offset	Integer	Offset
limit	Integer	Size
total	Integer	Total number.

Parameter	Type	Description
data	Array of <a href="#">PluginBasicVO</a> objects	Viewing execution results

**Table 4-395** PluginBasicVO

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
version	String	Version
version_description	String	Change History
description	String	Description
version_attri- bution	String	Version Attribute
unique_id	String	Unique ID
op_user	String	Operator
op_time	String	Operated
plugin_compo- sition_type	String	Combination Type
plugin_attri- bution	String	Attribute
workspace_id	String	Indicates the tenant ID.
business_type	String	Service Type
business_type_ _display_nam- e	String	Display Name of Service Type
maintainers	String	Maintainer
icon_url	String	Icon URL
refer_count	Integer	Reference Times
usage_count	Integer	Usage Times
runtime_attri- bution	String	Operating attributes
active	Integer	Whether to activate a job

**Status code: 400****Table 4-396** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

**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" ],
  "plugin_attribution": "custom"
}
```

**Example Responses****Status code: 200**

OK

```
{
  "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" : "CodeCheck",
"maintainers" : "",
"icon_url" : "",
"refer_count" : null,
"usage_count" : null,
"runtime_attribution" : "agent",
"active" : 1
}]
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

### 4.9.18 Query Plug-in Indicator Configuration

#### Function

Query Plug-in Indicator Configuration



## URI

POST /v1/{domain\_id}/agent-plugin/plugin-metrics

**Table 4-397** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-398** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-399** Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of <a href="#">PluginPartQueryDTO</a> objects	Query Request Body

**Table 4-400** PluginPartQueryDTO

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
version	No	String	Version
plugin_attribute	No	String	Plug-in Attribute
version_attribute	No	String	Version Attribute

## Response Parameters

Status code: 200

Table 4-401 Response body parameters

Parameter	Type	Description
[items]	Array of <a href="#">PluginPartQueryVOListAgentPluginOutputVO</a> objects	OK

Table 4-402 PluginPartQueryVOListAgentPluginOutputVO

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
data	Array of <a href="#">data</a> objects	Viewing execution results

Table 4-403 data

Parameter	Type	Description
unique_id	String	Unique ID
plugin_name	String	Plug-in name
version	String	Version
workspace_id	String	Indicates the tenant ID.
output_key	String	Name
output_value	String	Value

Status code: 400

Table 4-404 Response body parameters

Parameter	Type	Description
error_msg	String	Error Message

Parameter	Type	Description
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/plugin-metrics

[ {
  "plugin_name": "test_multi_language",
  "version": "0.0.11",
  "plugin_attribution": "official"
} ]
```

## Example Responses

**Status code: 200**

OK

```
[ {
  "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 \\"}]}"
  } ]
} ]
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.19 Query Plug-in Input Configuration

### Function

Query Plug-in Input Configuration

### URI

POST /v1/{domain\_id}/agent-plugin/plugin-input

**Table 4-405** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Tenant ID.

### Request Parameters

**Table 4-406** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-407** Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of <a href="#">PluginPartQueryDTO</a> objects	Query Request Body

**Table 4-408** PluginPartQueryDTO

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
version	No	String	Version

Parameter	Mandatory	Type	Description
plugin_attri bution	No	String	Plug-in Attribute
version_attri bution	No	String	Version Attribute

## Response Parameters

Status code: 200

Table 4-409 Response body parameters

Parameter	Type	Description
[items]	Array of <a href="#">PluginPartQueryVOListAgentPluginInputVO</a> objects	OK

Table 4-410 PluginPartQueryVOListAgentPluginInputVO

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
data	Array of <a href="#">data</a> objects	Viewing execution results

Table 4-411 data

Parameter	Type	Description
unique_id	String	Unique ID
name	String	Name
default_value	String	Default Value
plugin_name	String	Plug-in
version	String	Version
type	String	Type
workspace_id	String	Indicates the tenant ID.

Parameter	Type	Description
validation	<a href="#">ExtensionValidation</a> object	Verification
layout_content	String	Style Information

**Table 4-412** ExtensionValidation

Parameter	Type	Description
required_message	String	Message
regex	String	Regex
regex_message	String	Regular Message
max_length	Integer	Maximum length
min_length	Integer	Minimum Length

**Status code: 400****Table 4-413** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
[ {
  "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
  }
} ]
}]
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.20 Query Plug-in Output Configuration

### Function

Query Plug-in Output Configuration

### URI

POST /v1/{domain\_id}/agent-plugin/plugin-output

**Table 4-414** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-415** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-416** Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of <a href="#">PluginPartQueryDTO</a> objects	Query Request Body

**Table 4-417** PluginPartQueryDTO

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
version	No	String	Version
plugin_attri bution	No	String	Plug-in Attribute
version_attri bution	No	String	Version Attribute

## Response Parameters

**Status code: 200**



**Table 4-418** Response body parameters

Parameter	Type	Description
[items]	Array of <a href="#">PluginPartQueryVOListAgentPluginOutputVO</a> objects	OK

**Table 4-419** PluginPartQueryVOListAgentPluginOutputVO

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
data	Array of <a href="#">data</a> objects	Viewing execution results

**Table 4-420** data

Parameter	Type	Description
unique_id	String	Unique ID
plugin_name	String	Plug-in name
version	String	Version
workspace_id	String	Indicates the tenant ID.
output_key	String	Name
output_value	String	Value

**Status code: 400****Table 4-421** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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**

OK

```
[ {
  "plugin_name" : "official_shell_plugin",
  "display_name" : "",
  "data" : [ ]
} ]
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.21 Querying All Plug-in Version Information

### Function

Querying All Plug-in Version Information

### URI

GET /v1/{domain\_id}/agent-plugin/query

**Table 4-422** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Tenant ID.

**Table 4-423** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
offset	No	String	Offset
limit	No	String	Size

## Request Parameters

**Table 4-424** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-425** Response body parameters

Parameter	Type	Description
offset	Integer	Offset
limit	Integer	Size
total	Integer	Total number.
data	Array of <a href="#">PluginBasicVO</a> objects	Viewing execution results

**Table 4-426** PluginBasicVO

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
version	String	Version
version_description	String	Change History
description	String	Description
version_attribute	String	Version Attribute
unique_id	String	Unique ID
op_user	String	Operator
op_time	String	Operated
plugin_combination_type	String	Combination Type
plugin_attribute	String	Attribute
workspace_id	String	Indicates the tenant ID.
business_type	String	Service Type
business_type_display_name	String	Display Name of Service Type
maintainers	String	Maintainer
icon_url	String	Icon URL
refer_count	Integer	Reference Times
usage_count	Integer	Usage Times
runtime_attribute	String	Operating attributes
active	Integer	Whether to activate a job

**Status code: 400**

**Table 4-427** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/query?
plugin_name=fff&offset=0&limit=1
```

## Example Responses

**Status code: 200**

OK

```
{
  "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
  } ]
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.22 Querying Plug-in Version Details

### Function

Querying Plug-in Version Details

### URI

GET /v1/{domain\_id}/agent-plugin/detail

**Table 4-428** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-429** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
version	No	String	Version

### Request Parameters

**Table 4-430** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

### Response Parameters

**Status code: 200**

**Table 4-431** Response body parameters

Parameter	Type	Description
plugin_name	String	Plug-in
display_name	String	Display Name
op_user	String	Operator
op_time	String	Operated
version	String	Version
unique_id	String	Unique ID
version_description	String	Version Description
version_attri- bution	String	Version Attribute
plugin_compo- sition_type	String	Combination Plug-in Type
plugin_attri- bution	String	Plug-in Attribute
input_info	Array of <a href="#">input_info</a> objects	Entering information
plugin_executi- on	Object	Execution Information
runtime_attri- bution	String	Operating attributes

**Table 4-432** input\_info

Parameter	Type	Description
unique_id	String	Unique ID
name	String	Name
default_value	String	Default Value
plugin_name	String	Plug-in
version	String	Version
type	String	Type
workspace_id	String	TenantID

Parameter	Type	Description
validation	<a href="#">ExtensionValidation</a> object	Verification
layout_content	String	Style Information

**Table 4-433** ExtensionValidation

Parameter	Type	Description
required_message	String	Message
regex	String	Regex
regex_message	String	Regular Message
max_length	Integer	Maximum length
min_length	Integer	Minimum Length

**Status code: 400****Table 4-434** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/detail?
plugin_name=apie_test&version=0.0.4
```

## Example Responses

**Status code: 200**

OK

```
{
  "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": ""
```



```
"version_attribution" : "formal",
"plugin_composition_type" : "multi",
"plugin_attribution" : "custom",
"input_info" : [ ],
"plugin_execution" : {
  "logic_id" : "",
  "plugin_name" : "apie_test",
  "version" : "0.0.4",
  "basic_instance_id" : "036d51108a0b48eeb876fb6341ee7615",
  "workspace_id" : "ce8df55870164338a72d7e828a966a2a",
  "execution_type" : "COMPOSITE",
  "steps" : [ {
    "name" : "Executing the Shell",
    "task" : "official_shell_plugin",
    "variables" : {
      "OFFICIAL_SHELL_SCRIPT_INPUT" : "env"
    }
  }
]
},
"runtime_attribution" : "agent"
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

### 4.9.23 Querying the Plug-in Version

#### Function

Querying the Plug-in Version

#### URI

GET /v1/{domain\_id}/agent-plugin/all-version

**Table 4-435** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-436** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
offset	No	String	Offset
limit	No	String	Size

## Request Parameters

**Table 4-437** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 200**

**Table 4-438** Response body parameters

Parameter	Type	Description
offset	Integer	Offset
limit	Integer	Size
total	Integer	Total number.
data	Array of strings	Viewing execution results

**Status code: 400**

**Table 4-439** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/all-version?  
plugin_name=apie_test&offset=0&limit=999
```

## Example Responses

**Status code: 200**

OK

```
[ "0.0.2", "0.0.1" ]
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.24 Deleting a publisher

### Function

Deleting a publisher

### URI

DELETE /v1/{domain\_id}/publisher/delete

**Table 4-440** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-441** Query Parameters

Parameter	Mandatory	Type	Description
publisher_unique_id	No	String	Publisher ID

## Request Parameters

**Table 4-442** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 400**

**Table 4-443** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
DELETE https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/delete?publisher_unique_id=3082805e42604ce8a10f0cbd7ca55462
```

## Example Responses

**Status code: 200**

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.25 Querying Publisher Details

### Function

Querying Publisher Details

### URI

POST /v1/{domain\_id}/publisher/detail

**Table 4-444** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-445** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-446** Request body parameters

Parameter	Mandatory	Type	Description
[items]	No	Array of strings	Publisher ID set.

## Response Parameters

Status code: 200

**Table 4-447** Response body parameters

Parameter	Type	Description
publisher_detail_map	Map<String, PublisherVO>	Publisher Details

**Table 4-448** PublisherVO

Parameter	Type	Description
publisher_unique_id	String	Publisher ID
user_id	String	User ID
tenant_id	String	Indicates the tenant ID.
description	String	Description
logo_url	String	Icon URL
website	String	Web page URL
support_url	String	Address
source_url	String	Address
en_name	String	English name
name	String	Name
auth_status	String	Authorization Status
is_delete	Integer	Auto Delete
last_update_user_name	String	Updated By
last_update_user_id	String	ID of the person who last updates the document.



## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.26 Creating a Basic Plug-in

### Function

Creating a Basic Plug-in

### URI

POST /v3/{domain\_id}/extension/info/add

**Table 4-450** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-451** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).



**Table 4-452** Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	Unique ID
icon_url	No	String	Icon URL
runtime_attri bution	No	String	Operating attributes
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
business_type	No	String	Service Type
business_type _display_nam e	No	String	Display Name of Service Type
description	No	String	Description
is_private	No	Integer	Private
region	No	String	Site
maintainers	No	String	Maintainer
plugin_compo sition_type	No	String	Combination Plug-in Type

## Response Parameters

**Status code: 400**

**Table 4-453** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## 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

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.27 Updating Basic Plug-ins

### Function

Updating Basic Plug-ins

### URI

POST /v3/{domain\_id}/extension/info/update

**Table 4-454** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

## Request Parameters

**Table 4-455** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-456** Request body parameters

Parameter	Mandatory	Type	Description
unique_id	No	String	Unique ID
icon_url	No	String	Icon URL
runtime_attri bution	No	String	Operating attributes
plugin_name	No	String	Plug-in name
display_name	No	String	Display Name
business_type	No	String	Service Type
business_type _display_nam e	No	String	Display Name of Service Type
description	No	String	Description
is_private	No	Integer	Private
region	No	String	Site
maintainers	No	String	Maintainer
plugin_compo sition_type	No	String	Combination Plug-in Type

## Response Parameters

**Status code: 400****Table 4-457** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message

Parameter	Type	Description
error_code	String	Error code.

## 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**

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

## Error Codes

See [Error Codes](#).

## 4.9.28 Deleting a Basic Plug-in

### Function

Deleting a Basic Plug-in

### URI

```
DELETE /v3/{domain_id}/extension/info/delete
```

**Table 4-458** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-459** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Indicates whether the invoking is successful.

## Request Parameters

**Table 4-460** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

**Status code: 400**

**Table 4-461** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
DELETE https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/info/delete?
plugin_name=qwer&type=all
```

## Example Responses

**Status code: 200**

OK

```
true
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

## 4.9.29 Uploading Basic Plug-ins

### Function

Uploading Basic Plug-ins

### URI

POST /v3/{domain\_id}/extension/upload

**Table 4-462** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	TenantID

**Table 4-463** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in
business_type	No	String	Service Type

## Request Parameters

**Table 4-464** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

**Table 4-465** FormData parameters

Parameter	Mandatory	Type	Description
upload_file	Yes	File	Plug-in File

## Response Parameters

**Status code: 400**

**Table 4-466** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
POST https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/upload?
plugin_name=test_basic&business_type=Normal
```

## Example Responses

**Status code: 200**

Indicates whether the invoking is successful.

```
true
```

## Status Codes

Status Code	Description
200	Indicates whether the invoking is successful.

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

## Error Codes

See [Error Codes](#).

### 4.9.30 Querying Basic Plug-in Details

#### Function

Querying Basic Plug-in Details

#### URI

GET /v3/{domain\_id}/extension/detail

**Table 4-467** Path Parameters

Parameter	Mandatory	Type	Description
domain_id	Yes	String	Indicates the tenant ID.

**Table 4-468** Query Parameters

Parameter	Mandatory	Type	Description
plugin_name	No	String	Plug-in name
version	No	String	Version



## Request Parameters

**Table 4-469** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Can be obtained by calling the IAM API for obtaining the user token (the value of X-Subject-Token in the response header).

## Response Parameters

Status code: 200

**Table 4-470** Response body parameters

Parameter	Type	Description
type	String	Type
name	String	Name
friendly_name	String	Display Name
category	String	Service Type
description	String	Description
version	String	Version
version_description	String	Change History
inputs	Array of <b>inputs</b> objects	Entering information
outputs	Array of <b>outputs</b> objects	Output
execution	<b>execution</b> object	Execution Information

**Table 4-471** inputs

Parameter	Type	Description
name	String	Name
type	String	Type

Parameter	Type	Description
label	String	Label
description	String	Description
default_value	String	Default Value
required	Boolean	This parameter is mandatory.
extend_prop	<b>ExtensionExtendProp</b> object	Extended Attributes
validation	<b>ExtensionValidation</b> object	Verification

**Table 4-472** ExtensionExtendProp

Parameter	Type	Description
api_options	String	API Options
api_type	String	API Type
options	String	Parameter
disabled_conditions	String	Disabling Condition
visible_conditions	String	Visible Condition

**Table 4-473** ExtensionValidation

Parameter	Type	Description
required_message	String	Message
regex	String	Regex
regex_message	String	Regular Message
max_length	Integer	Maximum length
min_length	Integer	Minimum Length

**Table 4-474** outputs

Parameter	Type	Description
name	String	Name
type	String	Type
description	String	Description

**Table 4-475** execution

Parameter	Type	Description
target	String	Entry for creating a table
type	String	Type
sha256	String	sha256

**Status code: 400****Table 4-476** Response body parameters

Parameter	Type	Description
error_msg	String	Error Message
error_code	String	Error code.

## Example Requests

```
GET https://{endpoint}/v3/ce8df55870164338a72d7e828a966a2a/extension/detail?plugin_name=basic-CTS&version=2.3.5
```

## Example Responses

**Status code: 200**

OK

```
{
  "type": "Task",
  "name": "basic-CTS",
  "category": "Test",
  "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"
}
```

## Status Codes

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

## Error Codes

See [Error Codes](#).

# 5 Appendixes

## 5.1 Status Code

Table 5-1 Status code

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

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

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

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

## 5.2 Error 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.



## 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](#).

Stat us Code	Error Code	Error Message	Description	Solution
200	DEVCP.00014031	Insufficient permissions.	You do not have the permission 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.	instanceld does not exist in the database.	Check whether the request parameter instanceld is correct.
500	DEVCP.00010000	Unknown service error.	System internal error.	Contact the administrator.
200	DEVCP.00014004	The parameter is invalid.	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	The template does not exist.	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.

Stat us Code	Error Code	Error Message	Description	Solution
404	COCT.007 0010	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.007 0040	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.007 0009	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.007 0037	Invalid label.	Invalid label.	The label parameter is invalid. Enter a valid value.
500	COCT.007 0006	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.007 0026	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.007 0038	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.007 0039	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.

Stat us 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.

Stat us Code	Error Code	Error Message	Description	Solution
200	DEVPIPE.0011129	The selected task cannot be empty.	The selected task cannot be empty.	Check whether the task parameters are correct.
200	DEVPIPE.0011132	The selected task does not exist.	The selected task does not exist.	The selected task does not exist.
200	DEVPIPE.0011301	No permission.	No permission.	Check whether you have the permission required to perform this operation.
200	DEVPIPE.0011401	Pipeline does not exist.	Pipeline does not exist.	Pipeline does not exist.
200	DEVPIPE.0011408	Pipeline is running.	The pipeline is running and cannot be deleted.	Wait until the running is complete.

## 5.3 Obtaining a Project ID

### Obtaining a Project ID by Calling an API

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

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

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

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

      "name": "eu-west-101",
      "description": "",
      "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
      },
      "id": "a4a5d4098fb4474fa22cd05f897d6b99",
      "enabled": true
    }
  ],
}
```

```
"links": {  
  "next": null,  
  "previous": null,  
  "self": "https://www.example.com/v3/projects"  
}
```

## Obtaining a Project ID from the Console

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

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

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

### NOTE

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

## 5.4 Obtaining an Account ID

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

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

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

# 6 Change History

---

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

Change History	Date
This issue is the first official release.	2023-11-30