

流水线

API 参考

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1 使用前必读

1.1 概述

提供可视化、可定制的持续交付流水线服务，实现缩短交付周期和提升交付质量的效果。

您可以使用本文档提供的API对流水线进行相关操作，如：启动流水线、停止流水线等。支持的全部操作请参见[API概览](#)。

在调用流水线的API之前，请确保已经充分了解流水线的相关概念，详细信息请参见[产品介绍](#)。

1.2 调用说明

流水线提供了REST（Representational State Transfer）风格API，支持您通过HTTPS请求调用，调用方法请参见[如何调用API](#)。

您可以在[API Explorer](#)中调用API，查看API请求和返回结果。此外，API Explorer会自动生成相应API调用示例，帮助您使用API。

1.3 终端节点

终端节点即调用API的[请求地址](#)，不同服务不同区域的终端节点不同。

流水线的终端节点如[表1-1](#)所示，请您根据业务需要选择对应区域的终端节点。

表 1-1 流水线的终端节点

区域名称	区域	终端节点（Endpoint）	协议类型
东北-大连	cn-northeast-1	cloudpipeline-ext.cn-northeast-1.myhuaweicloud.com	HTTPS
华北-北京四	cn-north-4	cloudpipeline-ext.cn-north-4.myhuaweicloud.com	HTTPS

区域名称	区域	终端节点 (Endpoint)	协议类型
华北-北京一	cn-north-1	cloudpipeline-ext.cn-north-1.myhuaweicloud.com	HTTPS
华东-上海一	cn-east-3	cloudpipeline-ext.cn-east-3.myhuaweicloud.com	HTTPS
华东-上海二	cn-east-2	cloudpipeline-ext.cn-east-2.myhuaweicloud.com	HTTPS
华南-广州	cn-south-1	cloudpipeline-ext.cn-south-1.myhuaweicloud.com	HTTPS
华南-深圳	cn-south-2	cloudpipeline-ext.cn-south-2.myhuaweicloud.com	HTTPS
西南-贵阳一	cn-southwest-2	cloudpipeline-ext.cn-southwest-2.myhuaweicloud.com	HTTPS

1.4 约束与限制

详细的限制请参见具体API的说明。

1.5 基本概念

- 账号
用户注册华为云时的账号，账号对其所拥有的资源及云服务具有完全的访问权限，可以重置用户密码、分配用户权限等。由于账号是付费主体，为了确保账号安全，建议您不要直接使用账号进行日常管理工作，而是创建用户并使用他们进行日常管理工作。
- 用户
由账号在IAM中创建的用户，是云服务的使用人员，具有身份凭证（密码和访问密钥）。
在[我的凭证](#)下，您可以查看账号ID和用户ID。通常在调用API的鉴权过程中，您需要用到账号、用户和密码等信息。
- 区域 (Region)
从地理位置和网络时延维度划分，同一个Region内共享弹性计算、块存储、对象存储、VPC网络、弹性公网IP、镜像等公共服务。
Region分为通用Region和专属Region：
 - 通用Region指面向公共租户提供通用云服务的Region。
 - 专属Region指只承载同一类业务或只面向特定租户提供业务服务的专用Region。详情请参见[区域和可用区](#)。
- 可用区 (AZ, Availability Zone)

一个AZ是一个或多个物理数据中心的集合，有独立的风火水电，AZ内逻辑上再将计算、网络、存储等资源划分成多个集群。一个Region中的多个AZ间通过高速光纤相连，以满足用户跨AZ构建高可用性系统的需求。

- 项目

华为云的区域默认对应一个项目，这个项目由系统预置，用来隔离物理区域间的资源（计算资源、存储资源和网络资源），以默认项目为单位进行授权，用户可以访问您账号中该区域的所有资源。

如果您希望进行更加精细的权限控制，可以在区域默认的项目中创建子项目，并在子项目中购买资源，然后以子项目为单位进行授权，使得用户仅能访问特定子项目中资源，使得资源的权限控制更加精确。

- 企业项目

企业项目是项目的升级版，针对企业不同项目间资源的分组和管理，是逻辑隔离。企业项目中可以包含多个区域的资源，且项目中的资源可以迁入迁出。

关于企业项目ID的获取及企业项目特性的详细信息，请参见《[企业管理服务用户指南](#)》。

2 API 概览

表 2-1 流水线接口概览

分类	接口
模版管理	包括查询模板列表、创建流水线模板、查询模板详情等接口。
流水线管理	包括启动流水线、批量获取流水线状态、获取流水线状态/获取流水线执行详情等接口。
分组管理	包括新建流水线分组、更新流水线分组、删除流水线分组等接口。
规则管理	包括获取单条规则详情、分页获取规则列表、更新规则等接口。
租户级策略管理	包括创建策略、修改策略、获取策略详情等接口。
项目级策略管理	包括获取项目级策略列表和查询项目级策略列表两个接口。
扩展插件管理	包括创建插件版本、创建插件草稿版本、创建发布商等接口。
模板管理（旧版，待下线）	包括查询模板列表和查询模板详情两个接口。
流水线管理（旧版，待下线）	包括基于模板快速创建流水线及流水线内任务、检查流水线创建状态、启动流水线等接口。

3 如何调用 API

3.1 构造请求

本节介绍REST API请求的组成，并以调用IAM服务的**获取用户Token**接口说明如何调用API，该API获取用户的Token，Token可以用于调用其他API时鉴权。

您还可以通过这个视频教程了解如何构造请求调用API：<https://bbs.huaweicloud.com/videos/102987>。

请求 URI

尽管请求URI包含在请求消息头中，但大多数语言或框架都要求您从请求消息中单独传递它，所以在此单独强调。

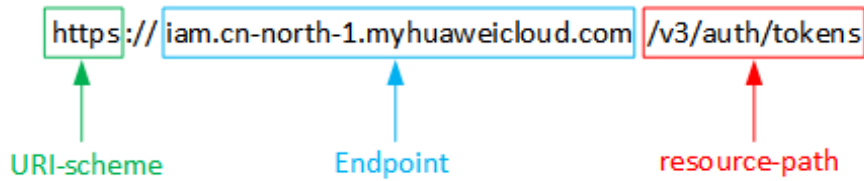
请求URI由四部分构成：**{URI-scheme}://{Endpoint} / {resource-path} ? {query-string}**

参数	说明
URI-scheme	表示用于传输请求的协议，当前所有API均采用 HTTPS 协议。
Endpoint	指定承载REST服务端点的服务器域名或IP，不同服务不同区域的Endpoint不同，您可以从 终端节点 中获取。 例如，IAM服务在“华北-北京一”区域的Endpoint为“iam.cn-north-1.myhuaweicloud.com”。
resource-path	资源路径，即API访问路径，从具体API的URI模块获取。例如，获取用户Token接口的resource-path为 /v3/auth/tokens 。
query-string	查询参数，是可选部分，并不是每个API都有查询参数。查询参数前面需要带一个 ? ，形式为 参数名=参数取值 。例如， limit=10 表示查询不超过10条数据。

例如，您需要获取IAM在“华北-北京一”区域的Token，则需使用“华北-北京一”区域的Endpoint（iam.cn-north-1.myhuaweicloud.com），并在**获取用户Token**的URI部分找到resource-path（/v3/auth/tokens），拼接起来如下所示。

`https://iam.cn-north-1.myhuaweicloud.com/v3/auth/tokens`

图 3-1 URI 示意图



说明

为查看方便，在每个具体API的URI部分，只给出resource-path部分，并将请求方法写在一起。这是因为URI-scheme都是HTTPS，而Endpoint在同一个区域也相同，所以简洁起见将这两部分省略。

请求方法

HTTP请求方法（也称为操作或动词），它告诉服务你正在请求什么类型的操作。

请求方法	说明
GET	请求服务器返回指定资源。
PUT	请求服务器更新指定资源。
POST	请求服务器新增资源或执行特殊操作。
DELETE	请求服务器删除指定资源，如删除对象等。
HEAD	请求服务器资源头部。
PATCH	请求服务器更新资源的部分内容。 当资源不存在的时候，PATCH可能会去创建一个新的资源。

在**获取用户Token**的URI部分，您可以看到其请求方法为“POST”，则其请求为：

`POST https://iam.cn-north-1.myhuaweicloud.com/v3/auth/tokens`

请求消息头

附加请求头字段，如指定的URI和HTTP方法所要求的字段。例如定义消息体类型的请求头“Content-Type”，请求鉴权信息等。

如下公共消息头需要添加到请求中。

名称	描述	是否必选	备注
Content-Type	消息体的类型（格式）	是	默认取值为“application/json”，有其他取值时会在具体接口中专门说明。
X-Auth-Token	用户Token	否	用户Token也就是调用 获取用户Token 接口的响应值，该接口是唯一不需要认证的接口。
X-Project-ID	子项目ID	否	在多项目场景中使用
X-Domain-ID	账号ID	-	-

📖 说明

公有云API同时支持使用AK/SK认证，AK/SK认证是使用SDK对请求进行签名，签名过程会自动往请求中添加Authorization（签名认证信息）和X-Sdk-Date（请求发送的时间）请求头。

AK/SK认证的详细说明请参考[AK/SK认证](#)。

对于[获取用户Token](#)接口，由于不需要认证，所以只添加“Content-Type”即可，添加消息头后的请求如下所示。

```
POST https://iam.cn-north-1.myhuaweicloud.com/v3/auth/tokens
Content-Type: application/json
```

请求消息体

请求消息体通常以结构化格式发出，与请求消息头中Content-type对应，传递除请求消息头之外的内容。若请求消息体中参数支持中文，则中文字符必须为UTF-8编码。

每个接口的请求消息体内容不同，也并不是每个接口都需要有请求消息体（或者说消息体为空），GET、DELETE操作类型的接口就不需要消息体，消息体具体内容需要根据具体接口而定。

对于[获取用户Token](#)接口，您可以从接口的请求部分看到所需的请求参数及参数说明。将消息体加入后的请求如下所示，加粗的斜体字段需要根据实际值填写，其中***username***为用户名，***domainname***为用户所属的账号名称，***********为用户登录密码，***xxxxxxxxxx***为project的名称，如cn-north-1，您可以从[终端节点](#)中获取。

📖 说明

scope参数定义了Token的作用域，下面示例中获取的Token仅能访问project下的资源。您还可以设置Token作用域为某个账号下所有资源或账号的某个project下的资源，详细定义请参见[获取用户Token](#)。

```
POST https://iam.cn-north-1.myhuaweicloud.com/v3/auth/tokens
Content-Type: application/json
{
```

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

到这里为止这个请求需要的内容就具备齐全了，您可以使用[curl](#)、[Postman](#)或直接编写代码等方式发送请求调用API。对于[获取用户Token](#)接口，返回的响应消息头中“x-subject-token”就是需要获取的用户Token。有了Token之后，您就可以使用Token认证调用其他API。

3.2 认证鉴权

调用接口有如下两种认证方式，您可以选择其中一种进行认证鉴权。

- Token认证：通过Token认证通用请求。
- AK/SK认证：通过AK（Access Key ID）/SK（Secret Access Key）加密调用请求。

Token 认证

📖 说明

Token的有效期为24小时，需要使用一个Token鉴权时，可以先缓存起来，避免频繁调用。

Token在计算机系统中代表令牌（临时）的意思，拥有Token就代表拥有某种权限。Token认证就是在调用API的时候将Token加到请求消息头，从而通过身份认证，获得操作API的权限。

在[构造请求](#)中以调用[获取用户Token](#)接口为例说明了如何调用API。

Token可通过调用[获取用户Token](#)接口获取，调用本服务API需要project级别的Token，即调用[获取用户Token](#)接口时，请求body中auth.scope的取值需要选择project，如下所示。

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

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

获取Token后，再调用其他接口时，您需要在请求消息头中添加“X-Auth-Token”，其值即为Token。例如Token值为“ABCDEFJ...”，则调用接口时将“X-Auth-Token: ABCDEFJ...”加到请求消息头即可，如下所示。

```
GET https://iam.cn-north-1.myhuaweicloud.com/v3/auth/projects
Content-Type: application/json
X-Auth-Token: ABCDEFJ....
```

您还可以通过这个视频教程了解如何使用Token认证：<https://bbs.huaweicloud.com/videos/101333>。

AK/SK 认证

📖 说明

AK/SK签名认证方式仅支持消息体大小12M以内，12M以上的请求请使用Token认证。

AK/SK认证就是使用AK/SK对请求进行签名，在请求时将签名信息添加到消息头，从而通过身份认证。

- AK(Access Key ID)：访问密钥ID。与私有访问密钥关联的唯一标识符；访问密钥ID和私有访问密钥一起使用，对请求进行加密签名。
- SK(Secret Access Key)：与访问密钥ID结合使用的密钥，对请求进行加密签名，可标识发送方，并防止请求被修改。

使用AK/SK认证时，您可以基于签名算法使用AK/SK对请求进行签名，也可以使用专门的签名SDK对请求进行签名。详细的签名方法和SDK使用方法请参见[API签名指南](#)。

须知

签名SDK只提供签名功能，与服务提供的SDK不同，使用时请注意。

3.3 返回结果

状态码

请求发送以后，您会收到响应，包含状态码、响应消息头和消息体。

状态码是一组从1xx到5xx的数字代码，状态码表示了请求响应的状态，完整的状态码列表请参见[状态码](#)。

对于[获取用户Token](#)接口，如果调用后返回状态码为“201”，则表示请求成功。

响应消息头

对应请求消息头，响应同样也有消息头，如“Content-type”。

对于[获取用户Token](#)接口，返回如[图3-2](#)所示的消息头，其中“x-subject-token”就是需要获取的用户Token。有了Token之后，您就可以使用Token认证调用其他API。

图 3-2 获取用户 Token 响应消息头

```
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 → MIIVXQVJKoZIhvcNAQcCoIIYJCCGEoCAQExDTALBglghkgBZQMEAgEwgharBgkqhkiG9w0B8wGgghacBIIWmHsidG9rZW4iOnsiZXhwaXJlc19hdCI6ijwMTktMDItMTNUMCfj3Kjs6YgKnpVNRbW2eZ5eb78SZ0kqjACgkIQ1wi4JlGzrpd18LGXK5tdfdq4lqHCYb8P4NaY0NYejcAgzJVeFVtLWT1GSO0zxKZmlQHJQ82HBqHdglZO9fuEbL5dMhdavj+33wElxHRC9I87o+k9-j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1FruooL6jqglFkNPQuFSOU8+uSsttVwRtNfsC+qTp22Rkd5MCqFGQ8LcuUx3Ca+9CMBnOintWW7oeRUVhVpxk8pxiX1wTEboX-RzT6MUbpvGw-oPNFYdECKnoH3Hrozv0vN--n5d6Nbxg==
x-xss-protection → 1; mode=block;
```

响应消息体

响应消息体通常以结构化格式返回，与响应消息头中Content-type对应，传递除响应消息头之外的内容。

对于[获取用户Token](#)接口，返回如下消息体。为篇幅起见，这里只展示部分内容。

```
{
  "token": {
    "expires_at": "2019-02-13T06:52:13.855000Z",
    "methods": [
      "password"
    ],
    "catalog": [
      {
        "endpoints": [
          {
            "region_id": "cn-north-1",
            .....

```

当接口调用出错时，会返回错误码及错误信息说明，错误响应的Body体格式如下所示。

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

其中，error_code表示错误码，error_msg表示错误描述信息。

4 API

4.1 模板管理

4.1.1 查询模板列表

功能介绍

查询流水线模板列表

调用方法

请参见[如何调用API](#)。

URI

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

表 4-1 路径参数

参数	是否必选	参数类型	描述
tenant_id	是	String	租户ID

请求参数

表 4-2 请求 Body 参数

参数	是否必选	参数类型	描述
language	否	String	模板语言
is_system	否	Boolean	是否系统模板

参数	是否必选	参数类型	描述
name	否	String	模板名称
offset	否	Long	偏移量，表示从此偏移量开始查询，offset大于等于0，默认为0
limit	否	Long	每次查询的条目数量，默认为10。
sort_key	否	String	用于排序的字段，非必选。取值为：name, create_time
sort_dir	否	String	排序类型，非必选。asc按排序字段升序，desc按排序字段降序

响应参数

状态码： 200

表 4-3 响应 Body 参数

参数	参数类型	描述
offset	Integer	起始偏移
limit	Integer	每页大小
total	Integer	总数
templates	Array of PipelineTemplateSimpleVO objects	流水线模板列表

表 4-4 PipelineTemplateSimpleVO

参数	参数类型	描述
id	String	模板ID
name	String	模板名称
icon	String	模板图标
manifest_version	String	版本
language	String	模板语言
description	String	模板描述
is_system	Boolean	是否系统模板

参数	参数类型	描述
region	String	模板局点
domain_id	String	模板所属租户ID
creator_id	String	模板创建人ID
creator_name	String	模板创建人名称
updater_id	String	模板更新人ID
create_time	Integer	创建时间
update_time	Integer	更新时间
is_collect	Boolean	是否收藏
is_show_source	String	是否展示流水线源
stages	Array of stages objects	模板编排stages

表 4-5 stages

参数	参数类型	描述
name	String	阶段名称
sequence	Integer	阶段顺序

状态码： 400

表 4-6 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

查询流水线模板列表。指定查询的起始偏移量为0，数量为3。

```
POST https://{endpoint}/v5/a5f63758220947b7821e70ae2734c01d/api/pipeline-templates/list
{
  "is_system" : "",
  "offset" : 0,
  "limit" : 3,
```

```
"name" : ""  
}
```

响应示例

状态码： 200

OK

```
{  
  "offset" : 0,  
  "limit" : 3,  
  "total" : 19,  
  "templates" : [ {  
    "id" : "e908740fe06e44a28f30c0f3c81b2ad5",  
    "name" : "Serverless-maven编译部署",  
    "icon" : "maven60",  
    "manifest_version" : "3.0",  
    "language" : "Java",  
    "description" : "Serverless-maven编译构建、打包部署模板",  
    "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" : "构建和检查",  
      "sequence" : 0  
    }, {  
      "name" : "部署和测试",  
      "sequence" : 1  
    }  
  ]  
}, {  
  "id" : "ac3b3b9a6cb64ef6b732c8f8459ab578",  
  "name" : "Node构建容器镜像",  
  "icon" : "npm60",  
  "manifest_version" : "3.0",  
  "language" : "Node.js",  
  "description" : "使用Node构建容器镜像，推送到SWR存储",  
  "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" : "构建",  
    "sequence" : 0  
  }  
], {  
  "id" : "8ea4d170ba0d45d9b1b647a9780ebcf8",  
  "name" : "新手上路",  
  "icon" : null,  
  "manifest_version" : "3.0",  
  "language" : "java",  
  "description" : "流水线新手体验模板",  
  "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": "代码检查",
  "sequence": 0
}, {
  "name": "构建阶段",
  "sequence": 1
}, {
  "name": "部署发布",
  "sequence": 2
} ]
} ]
}
```

SDK 代码示例

SDK代码示例如下。

Java

查询流水线模板列表。指定查询的起始偏移量为0，数量为3。

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

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

public class ListPipelineTemplatesSolution {

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

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

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

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

Python

查询流水线模板列表。指定查询的起始偏移量为0，数量为3。

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListPipelineTemplatesRequest()
        request.body = ListPipelineTemplatesQuery(
            limit=3,
            offset=0,
            name="",
            is_system=
        )
        response = client.list_pipeline_templates(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

查询流水线模板列表。指定查询的起始偏移量为0，数量为3。

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
```

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListPipelineTemplatesRequest{
        limitListPipelineTemplatesQuery:= int64(3)
        offsetListPipelineTemplatesQuery:= int64(0)
        nameListPipelineTemplatesQuery:= ""
        isSystemListPipelineTemplatesQuery:=
        request.Body = &model.ListPipelineTemplatesQuery{
            Limit: &limitListPipelineTemplatesQuery,
            Offset: &offsetListPipelineTemplatesQuery,
            Name: &nameListPipelineTemplatesQuery,
            IsSystem: &isSystemListPipelineTemplatesQuery,
        }
    }
    response, err := client.ListPipelineTemplates(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.1.2 创建流水线模板

功能介绍

创建流水线模板

调用方法

请参见[如何调用API](#)。

URI

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

表 4-7 路径参数

参数	是否必选	参数类型	描述
tenant_id	是	String	租户ID

请求参数

表 4-8 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-9 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	模板名称
description	否	String	模板描述
language	是	String	模板语言
variables	否	CustomVariable object	自定义参数
definition	是	String	模板编排json，包含stages

参数	是否必选	参数类型	描述
is_system	是	Boolean	是否系统模板
domain_id	是	String	所属租户ID
is_show_source	是	Boolean	是否显示流水线源

表 4-10 CustomVariable

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线ID
name	否	String	自定义参数名称
sequence	否	Integer	自定义参数顺序
type	否	String	自定义参数类型
value	否	String	自定义参数默认值
is_secret	否	Boolean	是否私密参数
description	否	String	自定义参数描述
is_runtime	否	Boolean	是否运行时设置
limits	否	Array of objects	限定枚举值
is_reset	否	Boolean	是否重置
latest_value	否	String	最近一次参数值
runtime_value	否	String	运行时传入值

响应参数

状态码： 200

表 4-11 响应 Body 参数

参数	参数类型	描述
templateId	String	模板ID

状态码： 400

表 4-12 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

{
  "name": "新建流水线模板-20231023215133",
  "description": "",
  "language": "none",
  "is_show_source": true,
  "variables": [],
  "definition": "{\n  \"stages\": [\n    {\n      \"name\": \"阶段_1\",\n      \"sequence\": \"0\",\n      \"jobs\": [\n        {\n          \"stage_id\": \"1698069093677\",\n          \"identifier\": \"16980691185419778b0f5-02cd-4bd3-a8cc-da825644add1\",\n          \"name\": \"CodeCheck中文名称\",\n          \"depends_on\": [],\n          \"timeout\": \"\",\n          \"timeout_unit\": \"\",\n          \"steps\": [\n            {\n              \"name\": \"CodeCheck中文名称\",\n              \"task\": \"official_devcloud_codeCheck_template\",\n              \"sequence\": \"0\",\n              \"inputs\": [\n                {\n                  \"key\": \"language\",\n                  \"value\": \"Java\"\n                },\n                {\n                  \"key\": \"module_or_template_id\",\n                  \"value\": \"d7dfaefb6d94c63a09cf141668356c7\"\n                }\n              ],\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                {\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  }"
```

响应示例

状态码: 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class CreatePipelineTemplateSolution {
```

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

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

    CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
        .withCredential(auth)
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
    CreatePipelineTemplateRequest request = new CreatePipelineTemplateRequest();
    PipelineTemplateDTO body = new PipelineTemplateDTO();
    body.withIsShowSource(true);
    body.withDomainId("ce8df55870164338a72d7e828a966a2a");
    body.withIsSystem(false);
    body.withDefinition("{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
    [{\"stage_id\": \"1698069093677\", \"identifier\": \"16980691185419778b0f5-02cd-4bd3-a8cc-
    da825644add1\", \"name\": \"CodeCheck中文名称\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
    [{\"name\": \"CodeCheck中文名称\", \"task\": \"official_devcloud_codeCheck_template\", \"sequence\": \"0\", \"inputs\":
    [{\"key\": \"language\", \"value\": \"Java\"},
    {\"key\": \"module_or_template_id\", \"value\": \"d7dffaefb6d94c63a09cf141668356c7\"}], \"business_type\": \"Gate\", \"ru
    ntime_attribution\": \"agent\", \"identifier\": \"16980691136015f94b249-102d-44f2-
    abb5-02fa3ad9fae0\", \"multi_step_editable\": \"0\", \"official_task_version\": \"0.0.1\"}], \"resource\": {\"type\": \"system
    \", \"arch
    \": \"x86\"}], \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"0\", \"identifier\": \"16980690936
    778259e2a5-a97e-4c66-af8d-1908988c1c21\", \"pre\":
    [{\"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\", \"post\": null, \"depends_on\": [], \"run_always\": false}]}]");
    body.withVariables("");
    body.withLanguage("none");
    body.withDescription("");
    body.withName("新建流水线模板-20231023215133");
    request.withBody(body);
    try {
        CreatePipelineTemplateResponse response = client.createPipelineTemplate(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrMsg());
    }
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = CreatePipelineTemplateRequest()
    request.body = PipelineTemplateDTO(
        is_show_source=True,
        domain_id="ce8df55870164338a72d7e828a966a2a",
        is_system=False,
        definition="{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
[\"stage_id\": \"1698069093677\", \"identifier\": \"16980691185419778b0f5-02cd-4bd3-a8cc-
da825644add1\", \"name\": \"CodeCheck中文名称\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
[\"name\": \"CodeCheck中文名称\", \"task\": \"official_devcloud_codeCheck_template\", \"sequence\": \"0\", \"inputs\":
[\"key\": \"language\", \"value\": \"Java\"],
{\"key\": \"module_or_template_id\", \"value\": \"d7dffaefb6d94c63a09cf141668356c7\"}], \"business_type\": \"Gate\", \"ru
ntime_attribution\": \"agent\", \"identifier\": \"16980691136015f94b249-102d-44f2-
abb5-02fa3ad9fae0\", \"multi_step_editable\": \"0\", \"official_task_version\": \"0.0.1\"}], \"resource\": {\"type\": \"system
\", \"arch
\\\": \"x86\"}], \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"0\", \"identifier\": \"16980690936
778259e2a5-a97e-4c66-af8d-1908988c1c21\", \"pre\":
[\"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\", \"post\": null, \"depends_on\": [], \"run_always\": false}],
variables = \"[]\",
language = \"none\",
description = \"\",
name = \"新建流水线模板-20231023215133\"
    )
    response = client.create_pipeline_template(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

```
client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.CreatePipelineTemplateRequest{}
var variablesVariables interface{} = ""
descriptionPipelineTemplateDto:= ""
request.Body = &model.PipelineTemplateDto{
    IsShowSource: true,
    DomainId: "ce8df55870164338a72d7e828a966a2a",
    IsSystem: false,
    Definition: "{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
[ {\"stage_id\": \"1698069093677\", \"identifier\": \"16980691185419778b0f5-02cd-4bd3-a8cc-
da825644add1\", \"name\": \"CodeCheck中文名称\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
[ {\"name\": \"CodeCheck中文名称\", \"task\": \"official_devcloud_codeCheck_template\", \"sequence\": \"0\", \"inputs\":
[ {\"key\": \"language\", \"value\": \"Java\"},
{ \"key\": \"module_or_template_id\", \"value\": \"d7dffaefb6d94c63a09cf141668356c7\" } ], \"business_type\": \"Gate\", \"ru
n_time_attribution\": \"agent\", \"identifier\": \"16980691136015f94b249-102d-44f2-
abb5-02fa3ad9fae0\", \"multi_step_editable\": \"0\", \"official_task_version\": \"0.0.1\" } ], \"resource\": { \"type\": \"system
\", \"arch
\\\": \"x86\" } ], \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"0\" }, { \"identifier\": \"16980690936
778259e2a5-a97e-4c66-af8d-1908988c1c21\", \"pre\":
[ { \"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\" }, { \"post\": null, \"depends_on\": [], \"run_always\": false } ] } ],
Variables: &variablesVariables,
Language: \"none\",
Description: &descriptionPipelineTemplateDto,
Name: \"新建流水线模板-20231023215133\",
}
}
response, err := client.CreatePipelineTemplate(request)
if err == nil {
    fmt.Printf(\"%+v\\n\", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.1.3 查询模板详情

功能介绍

查询模板详情

调用方法

请参见[如何调用API](#)。

URI

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

表 4-13 路径参数

参数	是否必选	参数类型	描述
tenant_id	是	String	租户ID
template_id	是	String	模板ID

请求参数

无

响应参数

状态码： 200

表 4-14 响应 Body 参数

参数	参数类型	描述
id	String	模板ID
name	String	模板名称
icon	String	模板图标
manifest_version	String	版本
language	String	模板语言
description	String	模板描述
is_system	Boolean	是否系统模板
region	String	所属局点
domain_id	String	所属租户ID

参数	参数类型	描述
variables	Array of CustomVariable objects	自定义参数
creator_id	String	创建人ID
updater_id	String	编辑人ID
create_time	Integer	创建日期
update_time	Integer	更新日期
is_collect	String	是否收藏
is_show_source	Boolean	是否显示流水线源
definition	String	模板编排json, 包含stages

表 4-15 CustomVariable

参数	参数类型	描述
pipeline_id	String	流水线ID
name	String	自定义参数名称
sequence	Integer	自定义参数顺序
type	String	自定义参数类型
value	String	自定义参数默认值
is_secret	Boolean	是否私密参数
description	String	自定义参数描述
is_runtime	Boolean	是否运行时设置
limits	Array of objects	限定枚举值
is_reset	Boolean	是否重置
latest_value	String	最近一次参数值
runtime_value	String	运行时传入值

状态码: 400

表 4-16 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

查询流水线模板详情

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

响应示例

状态码: 200

OK

```
{
  "id": "deb18013bb6c4659b160b15fd7468644",
  "name": "新建流水线模板-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\": \"阶段_1\",\n      \"sequence\": \"0\",\n      \"jobs\": [\n        {\n          \"stage_id\": \"1673495831907\",\n          \"identifier\": \"16734958501367554c26c-561b-4831-a906-e88316c8e674\",\n          \"name\": \"新建任务\",\n          \"depends_on\": [],\n          \"timeout\": \"\",\n          \"timeout_unit\": \"\",\n          \"steps\": [\n            {\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    }\n  ]\n}"
```

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.1.4 更新流水线模板

功能介绍

更新流水线模板

调用方法

请参见[如何调用API](#)。

URI

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

表 4-17 路径参数

参数	是否必选	参数类型	描述
tenant_id	是	String	租户ID
template_id	是	String	模板ID

请求参数

表 4-18 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-19 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	模板名称
description	否	String	模板描述
language	是	String	模板语言
variables	否	CustomVariable object	自定义参数

参数	是否必选	参数类型	描述
definition	是	String	模板编排json, 包含stages
is_system	是	Boolean	是否系统模板
domain_id	是	String	所属租户ID
is_show_source	是	Boolean	是否显示流水线源

表 4-20 CustomVariable

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线ID
name	否	String	自定义参数名称
sequence	否	Integer	自定义参数顺序
type	否	String	自定义参数类型
value	否	String	自定义参数默认值
is_secret	否	Boolean	是否私密参数
description	否	String	自定义参数描述
is_runtime	否	Boolean	是否运行时设置
limits	否	Array of objects	限定枚举值
is_reset	否	Boolean	是否重置
latest_value	否	String	最近一次参数值
runtime_value	否	String	运行时传入值

响应参数

状态码： 200

表 4-21 响应 Body 参数

参数	参数类型	描述
templateId	String	模板ID

状态码： 400

表 4-22 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

```
{
  "name": "新建流水线模板-20231023212159",
  "language": "none",
  "description": "",
  "is_system": false,
  "domain_id": "ce8df55870164338a72d7e828a966a2a",
  "variables": [],
  "is_show_source": true,
  "definition": {
    "stages": [
      {
        "name": "阶段_1",
        "sequence": 0,
        "jobs": [
          {
            "stage_id": "1698067319814",
            "identifier": "16980673371452673e2a4-b3e1-4389-a145-fc57a4473137",
            "name": "CloudBuild模板",
            "depends_on": [],
            "timeout": "",
            "timeout_unit": "",
            "steps": [
              {
                "name": "CloudBuild模板",
                "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中文名称",
                "depends_on": [],
                "timeout": "",
                "timeout_unit": "",
                "steps": [
                  {
                    "name": "CodeCheck中文名称",
                    "task": "official_devcloud_codeCheck_template",
                    "sequence": 0,
                    "inputs": [
                      {
                        "key": "language",
                        "value": "C/C++",
                        "key": "module_or_template_id",
                        "value": "d7dffae6b6d94c63a09cf141668356c7"
                      }
                    ],
                    "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
                      }
                    ]
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
  }
}
```

响应示例

状态码: 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class UpdatePipelineTemplateSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        UpdatePipelineTemplateRequest request = new UpdatePipelineTemplateRequest();
        PipelineTemplateDTO body = new PipelineTemplateDTO();
        body.withIsShowSource(true);
        body.withDomainId("ce8df55870164338a72d7e828a966a2a");
        body.withIsSystem(false);
        body.withDefinition("{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
[ {\"stage_id\": \"1698067319814\", \"identifier\": \"16980673371452673e2a4-b3e1-4389-a145-
fc57a4473137\", \"name\": \"CloudBuild模板\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
[ {\"name\": \"CloudBuild模板\", \"task\": \"official_devcloud_cloudBuild_template\", \"sequence\": \"0\", \"inputs\":
[ {\"key\": \"pipelineNumber\", \"value\": \"v1.0.0\"}, {\"key\": \"artifactName\", \"value\": \"name\"},
{ \"key\": \"is_build_in\", \"value\": \"system\"},
{ \"key\": \"module_or_template_id\", \"value\": \"00057\"}], \"business_type\": \"Build\", \"runtime_attribution\": \"agent\", \"ide
ntifier\": \"1698067328741629de896-a67b-4c2a-
be40-7f6531af2f19\", \"multi_step_editable\": \"0\", \"official_task_version\": \"0.0.1\"}], \"resource\": {\"type\": \"system
\\\", \"arch\": \"x86\"}, \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"0\",
{ \"identifier\": \"1698067635354dba15971-5277-48fe-a219-8cd578aa8773\", \"name\": \"CodeCheck中文名称
\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\": [ {\"name\": \"CodeCheck中文名称
\", \"task\": \"official_devcloud_codeCheck_template\", \"sequence\": \"0\", \"inputs\": [ {\"key\": \"language\", \"value\": \"C/C++\"},
{ \"key\": \"module_or_template_id\", \"value\": \"d7dffaefb6d94c63a09cf141668356c7\"}], \"business_type\": \"Gate\", \"ru
ntime_attribution\": \"agent\", \"identifier\": \"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192\", \"multi_step
_editable\": \"0\", \"official_task_version\": \"0.0.1\"}], \"resource\": {\"type\": \"system\\\", \"arch
\\\": \"x86\"}], \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"1\"}, { \"identifier\": \"16980673198
14bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9\", \"pre\":
[ {\"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\"}, { \"post\": null, \"depends_on\": [], \"run_always\": false} ]} ]}");
        body.withVariables("");
        body.withLanguage("none");
        body.withDescription("");
        body.withName("新建流水线模板-20231023212159");
        request.withBody(body);
        try {
            UpdatePipelineTemplateResponse response = client.updatePipelineTemplate(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

```
}  
}  
}
```

Python

```
# coding: utf-8  
  
import os  
from huaweicloudsdkcore.auth.credentials import BasicCredentials  
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion  
from huaweicloudsdkcore.exceptions import exceptions  
from huaweicloudsdkcodeartspipeline.v2 import *  
if __name__ == "__main__":  
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    # variables and decrypted during use to ensure security.  
    # In this example, AK and SK are stored in environment variables for authentication. Before running this  
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak = os.environ["CLOUD_SDK_AK"]  
    sk = os.environ["CLOUD_SDK_SK"]  
  
    credentials = BasicCredentials(ak, sk)  
  
    client = CodeArtsPipelineClient.new_builder() \  
        .with_credentials(credentials) \  
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \  
        .build()  
  
    try:  
        request = UpdatePipelineTemplateRequest()  
        request.body = PipelineTemplateDTO(  
            is_show_source=True,  
            domain_id="ce8df55870164338a72d7e828a966a2a",  
            is_system=False,  
            definition="{\"stages\":[{\"name\":\"阶段_1\",\"sequence\":\"0\",\"jobs\":  
[[{\"stage_id\":\"1698067319814\",\"identifier\":\"16980673371452673e2a4-b3e1-4389-a145-  
fc57a4473137\",\"name\":\"CloudBuild模板\",\"depends_on\":[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":  
[[{\"name\":\"CloudBuild模板\",\"task\":\"official_devcloud_cloudBuild_template\",\"sequence\":0,\"inputs\":  
[\"key\":\"pipelineNumber\",\"value\":\"v1.0.0\"},{\"key\":\"artifactName\",\"value\":\"name\"},  
{\"key\":\"is_build_in\",\"value\":\"system\"},  
{\"key\":\"module_or_template_id\",\"value\":\"00057\"}],\"business_type\":\"Build\",\"runtime_attribution\":\"agent\",\"ide  
ntifier\":\"1698067328741629de896-a67b-4c2a-  
be40-7f6531af2f19\",\"multi_step_editable\":0,\"official_task_version\":\"0.0.1\"}],\"resource\":{\"type\":\"system  
\\\"\\\"arch\":\"x86\"}],\"condition\":\"completed()\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence\":0},  
{\"identifier\":\"1698067635354dba15971-5277-48fe-a219-8cd578aa8773\",\"name\":\"CodeCheck中文名称  
\",\"depends_on\":[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":[{\"name\":\"CodeCheck中文名称  
\",\"task\":\"official_devcloud_codeCheck_template\",\"sequence\":0,\"inputs\":[\"key\":\"language\",\"value\":\"C/C++\"},  
{\"key\":\"module_or_template_id\",\"value\":\"d7dfaefb6d94c63a09cf141668356c7\"}],\"business_type\":\"Gate\",\"ru  
ntime_attribution\":\"agent\",\"identifier\":\"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192\",\"multi_step  
_editable\":0,\"official_task_version\":\"0.0.1\"}],\"resource\":{\"type\":\"system\"},\"arch  
\\\"\\\"x86\"}],\"condition\":\"completed()\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence\":1}],\"identifier\":\"16980673198  
14bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9\",\"pre\":  
[\"task\":\"official_devcloud_autoTrigger\",\"sequence\":0],\"post\":null,\"depends_on\":[],\"run_always\":false}}],  
variables=\"[]\",  
language=\"none\",  
description=\"\",  
name=\"新建流水线模板-20231023212159\"  
)  
        response = client.update_pipeline_template(request)  
        print(response)  
    except exceptions.ClientRequestException as e:  
        print(e.status_code)  
        print(e.request_id)  
        print(e.error_code)  
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UpdatePipelineTemplateRequest{}
    var variablesVariables interface{} = ""
    descriptionPipelineTemplateDto := ""
    request.Body = &model.PipelineTemplateDto{
        IsShowSource: true,
        DomainId: "ce8df55870164338a72d7e828a966a2a",
        IsSystem: false,
        Definition: "{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
        [{\"stage_id\": \"1698067319814\", \"identifier\": \"16980673371452673e2a4-b3e1-4389-a145-
        fc57a4473137\", \"name\": \"CloudBuild模板\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
        [{\"name\": \"CloudBuild模板\", \"task\": \"official_devcloud_cloudBuild_template\", \"sequence\": \"0\", \"inputs\":
        [{\"key\": \"pipelineNumber\", \"value\": \"v1.0.0\"}, {\"key\": \"artifactName\", \"value\": \"name\"},
        {\"key\": \"is_build_in\", \"value\": \"system\"},
        {\"key\": \"module_or_template_id\", \"value\": \"00057\"}], \"business_type\": \"Build\", \"runtime_attribution\": \"agent\", \"ide
        ntifier\": \"1698067328741629de896-a67b-4c2a-
        be40-7f6531af2f19\", \"multi_step_editable\": \"0\", \"official_task_version\": \"0.0.1\"}], \"resource\": \"{\\\"type\\\": \\\"system
        \\\", \\\"arch\\\": \\\"x86\\\"}\", \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"0\",
        {\"identifier\": \"1698067635354dba15971-5277-48fe-a219-8cd578aa8773\", \"name\": \"CodeCheck中文名称
        \", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\": [{\"name\": \"CodeCheck中文名称
        \", \"task\": \"official_devcloud_codeCheck_template\", \"sequence\": \"0\", \"inputs\": [{\"key\": \"language\", \"value\": \"C/C++\"},
        {\"key\": \"module_or_template_id\", \"value\": \"d7dffaefb6d94c63a09cf141668356c7\"}], \"business_type\": \"Gate\", \"ru
        ntime_attribution\": \"agent\", \"identifier\": \"1698067631617e1847e52-06ff-429e-9bfa-492ae877f192\", \"multi_step
        _editable\": \"0\", \"official_task_version\": \"0.0.1\"}], \"resource\": \"{\\\"type\\\": \\\"system\\\", \\\"arch
        \\\": \\\"x86\\\"}\", \"condition\": \"completed()\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"1\", \"identifier\": \"16980673198
        14bd28be5a-eb0c-4bdf-9ac5-4b441ef46ef9\", \"pre\":
        [{\"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\"}], \"post\": null, \"depends_on\": [], \"run_always\": false}}\",
        Variables: &variablesVariables,
        Language: \"none\",
        Description: &descriptionPipelineTemplateDto,
        Name: \"新建流水线模板-20231023212159\",
    }
    response, err := client.UpdatePipelineTemplate(request)
    if err == nil {
        fmt.Printf(\"%+v\\n\", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.1.5 删除流水线模板

功能介绍

删除流水线模板

调用方法

请参见[如何调用API](#)。

URI

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

表 4-23 路径参数

参数	是否必选	参数类型	描述
tenant_id	是	String	租户ID
template_id	是	String	模板ID

请求参数

表 4-24 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-25 响应 Body 参数

参数	参数类型	描述
templateId	String	模板ID

状态码： 400

表 4-26 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class DeletePipelineTemplateSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        DeletePipelineTemplateRequest request = new DeletePipelineTemplateRequest();
        try {
            DeletePipelineTemplateResponse response = client.deletePipelineTemplate(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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



```
credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2 流水线管理

4.2.1 启动流水线

功能介绍

启动流水线

调用方法

请参见[如何调用API](#)。

URI

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

表 4-27 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID

请求参数

表 4-28 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-29 请求 Body 参数

参数	是否必选	参数类型	描述
sources	否	Array of sources objects	使用的源
description	否	String	运行描述
variables	否	Array of variables objects	使用的自定义参数
choose_jobs	否	Array of strings	选择的任务
choose_stages	否	Array of strings	选择的阶段

表 4-30 sources

参数	是否必选	参数类型	描述
type	是	String	源类型
params	否	params object	源参数

表 4-31 params

参数	是否必选	参数类型	描述
git_type	是	String	代码仓类型
alias	否	String	代码仓别名
codehub_id	否	String	Repo代码仓ID

参数	是否必选	参数类型	描述
default_branch	否	String	默认分支
git_url	是	String	git仓库https地址
endpoint_id	否	String	扩展点ID
build_params	否	build_params object	具体构建参数

表 4-32 build_params

参数	是否必选	参数类型	描述
build_type	是	String	分支还是tag触发
target_branch	否	String	运行分支
tag	否	String	运行tag
event_type	否	String	触发事件类型

表 4-33 variables

参数	是否必选	参数类型	描述
name	是	String	参数名
value	是	String	参数值

响应参数

状态码： 200

表 4-34 响应 Body 参数

参数	参数类型	描述
pipeline_run_id	String	流水线运行实例ID

请求示例

启动流水线。指定运行的分支为” master” ， 参数为” 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": "运行描述",
  "variables": [ {
    "name": "key",
    "value": "val"
  }
],
  "choose_jobs": [ "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4" ]
}
```

响应示例

状态码: 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

启动流水线。指定运行的分支为” master” ， 参数为” key:val” 。

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

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

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

public class RunPipelineSolution {

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

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

CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
    .build();
RunPipelineRequest request = new RunPipelineRequest();
RunPipelineDTO body = new RunPipelineDTO();
List<String> listbodyChooseJobs = new ArrayList<>();
listbodyChooseJobs.add("16772939480734f4abb4-b3b9-4235-82c2-46559434cbd4");
List<RunPipelineDTOVariables> listbodyVariables = new ArrayList<>();
listbodyVariables.add(
    new RunPipelineDTOVariables()
        .withName("key")
        .withValue("val")
);
RunPipelineDTOParamsBuildParams buildParamsParams = new RunPipelineDTOParamsBuildParams();
buildParamsParams.withBuildType("branch")
    .withTargetBranch("test-lbdsb11")
    .withEventType("Manual");
RunPipelineDTOParams paramsSources = new RunPipelineDTOParams();
paramsSources.withGitType("codehub")
    .withCodehubId("2111699716")
    .withDefaultBranch("test-lbdsb11")
    .withGitUrl("https://example.com/clsyz00001/111.git")
    .withBuildParams(buildParamsParams);
List<RunPipelineDTOSources> listbodySources = new ArrayList<>();
listbodySources.add(
    new RunPipelineDTOSources()
        .withType("code")
        .withParams(paramsSources)
);
body.withChooseJobs(listbodyChooseJobs);
body.withVariables(listbodyVariables);
body.withDescription("运行描述");
body.withSources(listbodySources);
request.withBody(body);
try {
    RunPipelineResponse response = client.runPipeline(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

启动流水线。指定运行的分支为” master” ， 参数为” key:val” 。

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

if __name__ == "__main__":
```

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = RunPipelineRequest()
    listChooseJobsbody = [
        "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4"
    ]
    listVariablesbody = [
        RunPipelineDTOVariables(
            name="key",
            value="val"
        )
    ]
    buildParamsParams = RunPipelineDTOParamsBuildParams(
        build_type="branch",
        target_branch="test-lbdsb11",
        event_type="Manual"
    )
    paramsSources = RunPipelineDTOParams(
        git_type="codehub",
        codehub_id="2111699716",
        default_branch="test-lbdsb11",
        git_url="https://example.com/clsyz00001/111.git",
        build_params=buildParamsParams
    )
    listSourcesbody = [
        RunPipelineDTOSources(
            type="code",
            params=paramsSources
        )
    ]
    request.body = RunPipelineDTO(
        choose_jobs=listChooseJobsbody,
        variables=listVariablesbody,
        description="运行描述",
        sources=listSourcesbody
    )
    response = client.run_pipeline(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

启动流水线。指定运行的分支为” master” ， 参数为” key:val” 。

```
package main

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

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.RunPipelineRequest{}
    var listChooseJobsbody = []string{
        "16772939480734f4abbc4-b3b9-4235-82c2-46559434cbd4",
    }
    var listVariablesbody = []model.RunPipelineDtoVariables{
        {
            Name: "key",
            Value: "val",
        },
    }
    targetBranchBuildParams:= "test-lbdsb11"
    eventTypeBuildParams:= "Manual"
    buildParamsParams := &model.RunPipelineDtoParamsBuildParams{
        BuildType: "branch",
        TargetBranch: &targetBranchBuildParams,
        EventType: &eventTypeBuildParams,
    }
    codehubIdParams:= "2111699716"
    defaultBranchParams:= "test-lbdsb11"
    paramsSources := &model.RunPipelineDtoParams{
        GitType: "codehub",
        CodehubId: &codehubIdParams,
        DefaultBranch: &defaultBranchParams,
        GitUrl: "https://example.com/clsyz00001/111.git",
        BuildParams: buildParamsParams,
    }
    var listSourcesbody = []model.RunPipelineDtoSources{
        {
            Type: "code",
            Params: paramsSources,
        },
    }
    descriptionRunPipelineDto:= "运行描述"
    request.Body = &model.RunPipelineDto{
        ChooseJobs: &listChooseJobsbody,
        Variables: &listVariablesbody,
        Description: &descriptionRunPipelineDto,
        Sources: &listSourcesbody,
    }
    response, err := client.RunPipeline(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```


更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.2 批量获取流水线状态

功能介绍

批量获取流水线状态，仅返回有执行记录的流水线数据

调用方法

请参见[如何调用API](#)。

URI

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

表 4-35 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

表 4-36 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-37 请求 Body 参数

参数	是否必选	参数类型	描述
[数组元素]	是	Array of strings	流水线ID列表

响应参数

状态码： 200

表 4-38 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PipelineLatestRun objects	OK

表 4-39 PipelineLatestRun

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_run_id	String	流水线运行实例ID
executor_id	String	执行人ID
executor_name	String	执行人名称
stage_status_list	Array of stage_status_list objects	阶段状态信息
status	String	流水线状态

参数	参数类型	描述
run_number	Integer	运行序号
trigger_type	String	触发类型
build_params	build_params object	运行构建参数
artifact_params	artifact_params object	运行制品源参数
start_time	Long	开始时间
end_time	Long	结束时间
modify_url	String	修改页地址
detail_url	String	详情页地址

表 4-40 stage_status_list

参数	参数类型	描述
name	String	阶段名
sequence	Integer	阶段序列号
status	String	阶段状态
start_time	String	阶段开始时间
end_time	String	阶段结束时间

表 4-41 build_params

参数	参数类型	描述
action	String	合并请求的事件类型
build_type	String	基于分支还是tag触发
commit_id	String	代码库提交ID
event_type	String	触发的事件类型
merge_id	String	合并请求的ID
message	String	代码库提交信息
source_branch	String	合并请求的源分支
tag	String	标签
target_branch	String	目标分支

参数	参数类型	描述
codehub_id	String	Repo代码仓ID
git_url	String	代码仓https地址
source_codehub_id	String	源Repo代码仓ID
source_codehub_url	String	源Repo代码仓地址
source_codehub_http_url	String	源Repo代码仓http地址

表 4-42 artifact_params

参数	参数类型	描述
version	String	包版本
branch_filter	String	过滤分支
package_name	String	包名称
organization	String	docker组织信息

请求示例

批量获取流水线状态。指定查询的流水线ID为”d19799d619424b2bb2625ec2d93ea087”。

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

响应示例

状态码： 200

OK

```
[ {
  "pipeline_id": "d19799d619424b2bb2625ec2d93ea087",
  "pipeline_run_id": "ad6b7f66283a45be9c1f82b06c831e59",
  "executor_id": "847a5317086c41798469d0868535943a",
  "executor_name": "beta环境账号",
  "stage_status_list": [ {
    "name": "阶段_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
}]
```

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.3 获取流水线状态/获取流水线执行详情

功能介绍

获取流水线状态/获取流水线执行详情，仅返回有执行记录的流水线数据

调用方法

请参见[如何调用API](#)。

URI

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

表 4-43 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID

表 4-44 Query 参数

参数	是否必选	参数类型	描述
pipeline_run_id	否	String	流水线运行实例ID

请求参数

表 4-45 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-46 响应 Body 参数

参数	参数类型	描述
id	String	流水线运行实例ID
pipeline_id	String	流水线ID
manifest_version	String	流水线版本
name	String	流水线名称
description	String	运行描述
is_publish	Boolean	是否为变更流水线
executor_id	String	运行人ID
executor_name	String	运行人名称
status	String	状态
trigger_type	String	触发类型
run_number	Integer	运行序号

参数	参数类型	描述
start_time	Long	开始时间
end_time	Long	结束时间
stages	Array of StageRun objects	阶段信息
domain_id	String	租户ID
project_id	String	项目ID
region	String	局点
component_id	String	组件ID
language	String	语言
sources	Array of RunPipelineSource objects	运行源信息
artifacts	Array of PackageInfo objects	流水线运行产物
subject_id	String	流水线运行实例ID
group_id	String	分组ID
group_name	String	分组名称
detail_url	String	详情页地址
current_system_time	Long	当前系统时间

表 4-47 StageRun

参数	参数类型	描述
id	String	阶段ID
category	String	阶段类型
name	String	阶段名称
identifier	String	唯一标识
run_always	Boolean	是否总是运行
parallel	String	是否并行
is_select	Boolean	是否选中

参数	参数类型	描述
sequence	Integer	序列号
depends_on	Array of strings	依赖
condition	String	运行条件
status	String	状态
start_time	Long	开始时间
end_time	Long	结束时间
pre	Array of StepRun objects	阶段准入
post	Array of StepRun objects	阶段准出
jobs	Array of JobRun objects	任务

表 4-48 JobRun

参数	参数类型	描述
id	String	任务ID
category	String	任务类型
sequence	Integer	序列号
async	String	是否异步
name	String	任务名称
identifier	String	任务唯一标识
depends_on	Array of strings	依赖
condition	String	运行条件
resource	String	执行资源
is_select	Boolean	是否选中
timeout	String	任务超时设置
last_dispatch_id	String	任务上次下发ID

参数	参数类型	描述
status	String	状态
message	String	错误信息
start_time	Long	开始时间
end_time	Long	结束时间
steps	Array of StepRun objects	步骤
exec_id	String	任务执行ID

表 4-49 StepRun

参数	参数类型	描述
name	String	步骤名称
task	String	步骤插件
business_type	String	插件业务类型
inputs	Array of inputs objects	输入参数
sequence	Integer	序列号
official_task_version	String	官方插件版本号
identifier	String	唯一标识符
multi_step_editable	Integer	是否可编辑
id	String	步骤ID
endpoint_ids	Array of strings	扩展点
last_dispatch_id	String	上次下发任务ID
status	String	状态
message	String	错误消息
start_time	Long	开始时间
end_time	Long	结束时间

表 4-50 inputs

参数	参数类型	描述
key	String	输入参数名
value	Object	输入参数值

表 4-51 RunPipelineSource

参数	参数类型	描述
type	String	源类型
params	params object	源参数

表 4-52 params

参数	参数类型	描述
git_type	String	代码仓类型
git_url	String	代码仓https地址
ssh_git_url	String	代码仓ssh地址
web_url	String	代码仓页面地址
repo_name	String	代码仓名
default_branch	String	默认分支
endpoint_id	String	扩展点ID
codehub_id	String	Repo代码仓ID
alias	String	代码仓别名
build_params	build_params object	构建参数

表 4-53 build_params

参数	参数类型	描述
action	String	合并请求事件类型
build_type	String	基于分支还是tag运行
commit_id	String	代码仓提交ID

参数	参数类型	描述
event_type	String	运行事件类型
merge_id	String	合并请求ID
message	String	代码仓提交信息
source_branch	String	源分支
tag	String	标签
target_branch	String	目标分支
codehub_id	String	Repo代码仓ID
source_codehub_id	String	源Repo代码仓ID
source_codehub_url	String	源Repo代码仓地址
source_codehub_http_url	String	源Repo代码仓http地址

表 4-54 PackageInfo

参数	参数类型	描述
name	String	产物名
packageType	String	产物类型
version	String	产物版本号
downloadUrl	String	产物下载地址

请求示例

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

响应示例

状态码： 200

OK

```
{
  "id": "25adfa6784124cfc9b9274ceaecf9957",
  "pipeline_id": "98b6ea1536374df883bcc3b129bca4e9",
  "manifest_version": "3.0",
  "name": "子流水线qqq",
  "description": null,
  "is_publish": false,
  "executor_id": "847a5317086c41798469d0868535943a",
  "executor_name": "beta环境账号",
}
```

```
"status": "COMPLETED",
"trigger_type": "Manual",
"run_number": 1,
"start_time": 1674207197000,
"end_time": 1674207197000,
"stages": [ {
  "id": "aac8063fbf084eec9722c77ece6dd283",
  "category": null,
  "name": "阶段_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": "新建任务",
    "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" : "新建文件 Dockerfile",
  "source_branch" : null,
  "tag" : null,
  "target_branch" : "master",
  "codehub_id" : "2111677704"
}
}],
"artifacts" : null,
"subject_id" : "25adfa6784124cfc9b9274ceaecf9957"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowPipelineRunDetailSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPipelineRunDetailRequest request = new ShowPipelineRunDetailRequest();
        request.withPipelineRunId("<pipeline_run_id>");
        try {
            ShowPipelineRunDetailResponse response = client.showPipelineRunDetail(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ShowPipelineRunDetailRequest()
        request.pipeline_run_id = "<pipeline_run_id>"
        response = client.show_pipeline_run_detail(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ShowPipelineRunDetailRequest{
    pipelineRunIdRequest:= "<pipeline_run_id>"
    request.PipelineRunId = &pipelineRunIdRequest
    response, err := client.ShowPipelineRunDetail(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.4 获取流水线列表/获取项目下流水线执行状况

功能介绍

获取流水线列表/获取项目下流水线执行状况

调用方法

请参见[如何调用API](#)。

URI

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

表 4-55 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

表 4-56 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-57 请求 Body 参数

参数	是否必选	参数类型	描述
project_ids	否	Array of strings	项目ID列表
component_id	否	String	组件ID
name	否	String	流水线名称，支持模糊查询
status	否	Array of strings	状态
is_publish	否	Boolean	是否为变更流水线
creator_ids	否	Array of strings	创建人ID列表
executor_ids	否	Array of strings	执行人ID列表
start_time	否	String	开始时间
end_time	否	String	结束时间
offset	否	Long	起始偏移
limit	否	Long	查询数量
sort_key	否	String	排序字段名称
sort_dir	否	String	排序规则
group_path_id	否	String	流水线分组ID

参数	是否必选	参数类型	描述
by_group	否	Boolean	是否分组查询
query_new	否	Boolean	是否只查询新版流水线

响应参数

状态码： 200

表 4-58 响应 Body 参数

参数	参数类型	描述
offset	Integer	起始偏移
limit	Integer	查询大小
total	Integer	总数
pipelines	Array of pipelines objects	流水线

表 4-59 pipelines

参数	参数类型	描述
pipeline_id	String	流水线ID
name	String	流水线名称
project_id	String	项目ID
project_name	String	项目名称
component_id	String	组件ID
is_publish	Boolean	是否为变更流水线
is_collect	Boolean	是否收藏此流水线
manifest_version	String	流水线版本
create_time	Long	创建时间
latest_run	latest_run object	最近一次运行信息
convert_sign	Integer	旧版转新版标识

表 4-60 latest_run

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_run_id	String	流水线运行实例ID
executor_id	String	执行人ID
executor_name	String	执行人名称
stage_status_list	Array of stage_status_list objects	阶段信息列表
status	String	状态
run_number	Integer	运行序号
trigger_type	String	触发类型
build_params	build_params object	构建参数
artifact_params	artifact_params object	制品源参数
start_time	Long	开始时间
end_time	Long	结束时间
modify_url	String	修改页地址
detail_url	String	详情页地址

表 4-61 stage_status_list

参数	参数类型	描述
name	String	阶段名
sequence	Integer	序列号
status	String	状态
start_time	String	开始时间
end_time	String	结束时间
id	String	阶段ID

表 4-62 build_params

参数	参数类型	描述
action	String	合并请求事件类型
build_type	String	基于分支还是tag运行
commit_id	String	代码仓提交ID
event_type	String	运行事件类型
merge_id	String	合并请求ID
message	String	代码仓提交信息
source_branch	String	源分支
tag	String	标签
target_branch	String	目标分支
codehub_id	String	Repo代码仓ID
git_url	String	代码仓https地址
source_codehub_id	String	源Repo代码仓ID
source_codehub_url	String	源Repo代码仓地址
source_codehub_http_url	String	源Repo代码仓http地址

表 4-63 artifact_params

参数	参数类型	描述
version	String	包版本
branch_filter	String	过滤分支
package_name	String	包名称
organization	String	docker组织

请求示例

获取流水线列表。指定查询的起始偏移量为0，数量为10。

```
POST https://{endpoint}/v5/54f90b75fc1447b1b65e8d3a9f77923d/api/pipelines/list
{
  "offset" : 0,
  "limit" : 10,
```

```
"name" : ""  
}
```

响应示例

状态码： 200

OK

```
{  
  "offset" : 0,  
  "limit" : 10,  
  "total" : 1,  
  "pipelines" : [ {  
    "pipeline_id" : "cd65d6f2dc17493e97eb5175f872761a",  
    "name" : "新建流水线-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环境账号",  
      "stage_status_list" : [ {  
        "name" : "合并集成分支",  
        "sequence" : 0,  
        "status" : "FAILED",  
        "start_time" : "2023-02-22 18:12:25",  
        "end_time" : "2023-02-22 18:12:32"  
      } , {  
        "name" : "阶段_1",  
        "sequence" : 1,  
        "status" : "INIT",  
        "start_time" : null,  
        "end_time" : null  
      } , {  
        "name" : "合并主干",  
        "sequence" : 1,  
        "status" : "INIT",  
        "start_time" : null,  
        "end_time" : null  
      }  
    ],  
    "status" : "FAILED",  
    "run_number" : 1,  
    "trigger_type" : "Manual",  
    "build_params" : null,  
    "artifact_params" : null,  
    "start_time" : 1677060745000,  
    "end_time" : 1677060752000  
  }  
]  
}
```

SDK 代码示例

SDK代码示例如下。

Java

获取流水线列表。指定查询的起始偏移量为0，数量为10。

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

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

public class ListPipelinesSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListPipelinesRequest request = new ListPipelinesRequest();
        ListPipelineQuery body = new ListPipelineQuery();
        body.withLimit(10L);
        body.withOffset(0L);
        body.withName("");
        request.withBody(body);
        try {
            ListPipelinesResponse response = client.listPipelines(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

获取流水线列表。指定查询的起始偏移量为0，数量为10。

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

```
example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
ak = os.environ["CLOUD_SDK_AK"]
sk = os.environ["CLOUD_SDK_SK"]

credentials = BasicCredentials(ak, sk)

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

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

Go

获取流水线列表。指定查询的起始偏移量为0，数量为10。

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListPipelinesRequest{}
    limitListPipelineQuery := int64(10)
    offsetListPipelineQuery := int64(0)
    nameListPipelineQuery := ""
    request.Body = &model.ListPipelineQuery{
        Limit: &limitListPipelineQuery,
        Offset: &offsetListPipelineQuery,
        Name: &nameListPipelineQuery,
    }
}
```

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.5 删除流水线

功能介绍

删除流水线

调用方法

请参见[如何调用API](#)。

URI

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

表 4-64 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID

请求参数

表 4-65 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-66 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
public class DeletePipelineSolution {
```



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

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

    CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
        .withCredential(auth)
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
    DeletePipelineRequest request = new DeletePipelineRequest();
    try {
        DeletePipelineResponse response = client.deletePipeline(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = DeletePipelineRequest()
        response = client.delete_pipeline(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.6 查询流水线详情

功能介绍

查询流水线详情

调用方法

请参见[如何调用API](#)。

URI

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

表 4-67 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID

请求参数

表 4-68 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-69 响应 Body 参数

参数	参数类型	描述
id	String	流水线ID
name	String	流水线名称

参数	参数类型	描述
description	String	描述
manifest_version	String	流水线版本
region	String	局点
domain_id	String	所属租户ID
project_id	String	所属项目ID
component_id	String	所属微服务ID
is_publish	Boolean	是否为变更流水线
creator_id	String	创建人ID
creator_name	String	创建人名称
updater_id	String	更新人ID
create_time	Long	更新人名称
update_time	Long	更新时间
is_collect	Boolean	是否被当前用户收藏
sources	Array of PipelineSource objects	流水线源
variables	Array of PipelineVariable objects	流水线自定义参数
schedules	Array of PipelineSchedule objects	流水线定时任务设置
triggers	Array of PipelineTrigger objects	流水线事件触发设置
group_id	String	流水线所属分组ID
definition	String	流水线定义

表 4-70 PipelineSource

参数	参数类型	描述
type	String	流水线源类型

参数	参数类型	描述
params	PipelineSourceParam object	流水线源参数

表 4-71 PipelineSourceParam

参数	参数类型	描述
alias	String	代码/制品源参数 - 代码仓/制品源别名。别名仅支持输入大小写英文字母、数字、“_”，至多128个字符
git_type	String	代码源参数 - git类型
codehub_id	String	代码源参数 - Repo代码仓ID
endpoint_id	String	代码源参数 - 扩展点id
default_branch	String	代码源参数 - 默认分支
git_url	String	代码源参数 - git链接
ssh_git_url	String	代码源参数 - ssh_git链接
web_url	String	代码源参数 - 网页url
repo_name	String	代码源参数 - 流水线源名称
artifact_type	String	制品源参数 - 制品源类型, generic/docker
artifact_type_name	String	制品源参数 - 制品源类型名
branch_filter	String	制品源参数 - 过滤分支
directory	String	制品源参数 - 目录
directory_id	String	制品源参数 - 目录ID
organization	String	制品源参数 - Docker组织
package_name	String	制品源参数 - 包名称
version	String	制品源参数 - 版本
version_strategy	String	制品源参数 - 获取制品源版本的策略, latest/specificVersion
source_system	String	制品源参数 - 制品源名称,如CloudArtifact

表 4-72 PipelineVariable

参数	参数类型	描述
name	String	参数名称
sequence	Integer	序号
type	String	类型
value	String	默认值
is_secret	Boolean	是否私密
description	String	描述
is_runtime	Boolean	是否运行时设置
limits	Array of strings	限定枚举值
is_reset	Boolean	自增长参数是否被重置
latest_value	String	自增长参数最新值

表 4-73 PipelineSchedule

参数	参数类型	描述
uuid	String	任务ID
type	String	任务类型
name	String	任务名称
enable	String	是否可用
days_of_week	Array of integers	一周内具体时间
time_zone	String	时区

表 4-74 PipelineTrigger

参数	参数类型	描述
pipeline_id	String	流水线ID
git_url	String	git链接
git_type	String	git类型
is_auto_commit	Boolean	是否自动提交

参数	参数类型	描述
events	Array of CodeEvent objects	事件
hook_id	String	回调id
repo_id	String	仓库id
endpoint_id	String	扩展点id
callback_url	String	回调链接
security_token	String	用户token

表 4-75 CodeEvent

参数	参数类型	描述
type	String	事件类型
enable	Boolean	是否可用

请求示例

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

响应示例

状态码: 200

OK

```
{
  "id": "9777b6f14dca47ab8e411512b8301698",
  "name": "新建流水线-20230222110358",
  "description": "",
  "manifest_version": "3.0",
  "region": "region",
  "domain_id": "ce8df55870164338a72d7e828a966a2a",
  "project_id": "f83ef803e04e4fe8834ddaf18ffd9d8f",
  "component_id": "",
  "is_publish": false,
  "creator_id": "847a5317086c41798469d0868535943a",
  "creator_name": "beta环境账号",
  "updater_id": "847a5317086c41798469d0868535943a",
  "create_time": 1676116509000,
  "update_time": 1690785914000,
  "is_collect": true,
  "sources": [],
  "variables": [],
  "schedules": [ {
    "uuid": "38e10252a4ea48c594f744bb4fc1411c",
    "type": "fixed",
    "name": "定时任务_1",
    "enable": true,
    "days_of_week": [ 2, 3, 4, 5, 6 ],
```

```
"time_zone": "China Standard Time"
}],
"triggers": [ ],
"group_id": null,
"definition": "{\n  \"stages\": [\n    {\n      \"name\": \"阶段_1\",\n      \"sequence\": \"0\",\n      \"jobs\": [\n        {\n          \"id\": \"\",\n          \"stage_id\": \"1677035050256\",\n          \"identifier\": \"167703505025720bcc960-2929-457f-91e5-9099556cc478\",\n          \"name\": \"延时执行\",\n          \"depends_on\": [],\n          \"timeout\": \"\",\n          \"timeout_unit\": \"\",\n          \"steps\": [\n            {\n              \"name\": \"延时执行\",\n              \"task\": \"official_devcloud_delay\",\n              \"sequence\": \"0\",\n              \"inputs\": [\n                {\n                  \"key\": \"timer_type\",\n                  \"value\": \"delay\"\n                },\n                {\n                  \"key\": \"delay_time\",\n                  \"value\": \"10\",\n                  \"key\": \"scheduled_time\",\n                  \"value\": \"\",\n                  \"key\": \"time_zone\",\n                  \"value\": \"China Standard Time\"\n                }\n              ],\n              \"business_type\": \"Normal\",\n              \"runtime_attribution\": \"agentless\",\n              \"identifier\": \"1677035056887f508df54-eff9-4f47-b67d-0629917599e9\",\n              \"multi_step_editable\": \"0\",\n              \"official_task_version\": \"0.0.3\",\n              \"exec_type\": \"AGENTLESS_JOB\",\n              \"sequence\": \"0\",\n              \"pipeline_id\": \"62bc8c36ab1a4ef9831df98e88c33c69\",\n              \"identifier\": \"0\",\n              \"pre\": {\n                \"task\": \"official_devcloud_autoTrigger\",\n                \"sequence\": \"0\",\n                \"post\": null,\n                \"depends_on\": [],\n                \"run_always\": false,\n                \"pipeline_id\": \"62bc8c36ab1a4ef9831df98e88c33c69\"\n              }\n            }\n          ]\n        }\n      ]\n    }\n  ]\n}"
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowPipelineDetailSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPipelineDetailRequest request = new ShowPipelineDetailRequest();
        try {
            ShowPipelineDetailResponse response = client.showPipelineDetail(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```



```
}  
}  
}
```

Python

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

Go

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

```
WithCredential(auth).
Build()

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.7 修改流水线信息

功能介绍

修改流水线信息

调用方法

请参见[如何调用API](#)。

URI

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

表 4-76 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID

表 4-77 Query 参数

参数	是否必选	参数类型	描述
componentId	否	String	微服务ID

请求参数

表 4-78 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-79 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	流水线名称
description	否	String	流水线描述
is_publish	是	Boolean	是否为发布流水线
sources	否	Array of CodeSource objects	流水线源
variables	否	Array of CustomVariable objects	流水线自定义全局变量
schedules	否	Array of PipelineSchedule objects	流水线定时执行配置
triggers	否	Array of PipelineTrigger objects	流水线代码事件触发配置
manifest_version	否	String	流水线结构定义版本，新版默认为3.0
definition	是	String	流水线结构定义
project_name	否	String	项目名称
group_id	否	String	流水线组ID

参数	是否必选	参数类型	描述
id	否	String	若为复制场景，则为原流水线ID
concurrency_control	否	PipelineConcurrencyMgmt object	流水线并发管理

表 4-80 CodeSource

参数	是否必选	参数类型	描述
type	否	String	流水线源类型
params	否	params object	流水线源参数

表 4-81 params

参数	是否必选	参数类型	描述
git_type	否	String	git类型
codehub_id	否	String	Repo代码仓ID
endpoint_id	否	String	扩展点id
default_branch	否	String	默认分支
git_url	否	String	git链接
ssh_git_url	否	String	ssh_git链接
web_url	否	String	网页url
repo_name	否	String	流水线源名称
alias	否	String	代码仓别名。别名仅支持输入大小写英文字母、数字、“_”，至多128个字符

表 4-82 CustomVariable

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线ID
name	否	String	自定义参数名称
sequence	否	Integer	自定义参数顺序

参数	是否必选	参数类型	描述
type	否	String	自定义参数类型
value	否	String	自定义参数默认值
is_secret	否	Boolean	是否私密参数
description	否	String	自定义参数描述
is_runtime	否	Boolean	是否运行时设置
limits	否	Array of objects	限定枚举值
is_reset	否	Boolean	是否重置
latest_value	否	String	最近一次参数值
runtime_value	否	String	运行时传入值

表 4-83 PipelineSchedule

参数	是否必选	参数类型	描述
uuid	否	String	任务ID
type	否	String	任务类型
name	否	String	任务名称
enable	否	String	是否可用
days_of_week	否	Array of integers	一周内具体时间
time_zone	否	String	时区

表 4-84 PipelineTrigger

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线ID
git_url	否	String	git链接
git_type	否	String	git类型
is_auto_commit	否	Boolean	是否自动提交
events	否	Array of CodeEvent objects	事件

参数	是否必选	参数类型	描述
hook_id	否	String	回调id
repo_id	否	String	仓库id
endpoint_id	否	String	扩展点id
callback_url	否	String	回调链接
security_token	否	String	用户token

表 4-85 CodeEvent

参数	是否必选	参数类型	描述
type	否	String	事件类型
enable	否	Boolean	是否可用

表 4-86 PipelineConcurrencyMgmt

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线id
concurrency_number	否	Integer	并行数量
exceed_action	否	String	超出情况下策略
create_time	否	Long	创建时间
update_time	否	Long	更新时间
enable	否	Boolean	是否有效

响应参数

状态码： 200

表 4-87 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID

请求示例

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

```
{
  "id": "c0473f77481c4a12b254012876df71b6",
  "name": "新建流水线-20240202101359",
  "description": null,
  "manifest_version": 3.0,
  "is_publish": false,
  "sources": [ ],
  "variables": [ ],
  "schedules": null,
  "triggers": [ ],
  "project_name": null,
  "group_id": null,
  "concurrency_control": {
    "pipeline_id": null,
    "concurrency_number": 5,
    "exceed_action": "ABORT",
    "create_time": null,
    "update_time": null,
    "enable": false
  },
  "definition": "{\n  \"stages\": [\n    {\n      \"name\": \"阶段_1\",\n      \"sequence\": \"0\",\n      \"jobs\": [\n        {\n          \"id\": \"\",\n          \"stage_id\": \"1706840051315\",\n          \"identifier\": \"JOB_HwdAJ\",\n          \"name\": \"Subpipeline\",\n          \"depends_on\": [],\n          \"timeout\": \"\",\n          \"timeout_unit\": \"\",\n          \"steps\": [\n            {\n              \"name\": \"Subpipeline\",\n              \"task\": \"official_devcloud_subPipeline\",\n              \"sequence\": \"0\",\n              \"inputs\": [\n                {\n                  \"key\": \"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID\",\n                  \"value\": \"dab5232b7b354b6db37e695690218c9b\",\n                  \"key\": \"_OFFICIAL_DEVCLOUD_JOB_NAME\",\n                  \"value\": \"新建流水线-空\",\n                  \"key\": \"_OFFICIAL_DEVCLOUD_JOB_VERSION\",\n                  \"value\": \"3.0\",\n                  \"business_type\": \"Normal\",\n                  \"runtime_attribution\": {\n                    \"agent\": \"\",\n                    \"identifier\": \"1706840079615af0c7bda-8885-4c31-b9e8-1b393b5b0e97\",\n                    \"multi_step_editable\": \"0\",\n                    \"official_task_version\": \"0.0.18\",\n                    \"endpoint_ids\": []\n                  },\n                  \"resource\": {\n                    \"type\": \"system\",\n                    \"arch\": \"x86\"\n                  },\n                  \"condition\": \"${ default() }\",\n                  \"exec_type\": \"OCTOPUS_JOB\",\n                  \"sequence\": \"0\",\n                  \"pipeline_id\": \"c0473f77481c4a12b254012876df71b6\",\n                  \"identifier\": \"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84\",\n                  \"pre\": [\n                    {\n                      \"task\": \"official_devcloud_autoTrigger\",\n                      \"sequence\": \"0\",\n                      \"post\": null,\n                      \"depends_on\": [],\n                      \"run_always\": false,\n                      \"pipeline_id\": \"c0473f77481c4a12b254012876df71b6\"\n                    }\n                  ]\n                }\n              ]\n            }\n          ]\n        }\n      ]\n    }\n  ]\n}"
```

响应示例

状态码： 200

OK

```
{
  "pipeline_id": "8bfd69eac154a0da341705a36294aca"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class UpdatePipelineInfoSolution {
```

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

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

    CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
        .withCredential(auth)
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
    UpdatePipelineInfoRequest request = new UpdatePipelineInfoRequest();
    request.withComponentId("<componentId>");
    PipelineDTO body = new PipelineDTO();
    body.withId("c0473f77481c4a12b254012876df71b6");
    body.withDefinition("{\"stages\":[{\"name\":\"阶段_1\",\"sequence\":\"0\",\"jobs\":
[\"id\":\"\",\"stage_id\":\"1706840051315\",\"identifier\":\"JOB_HwdAJ\",\"name\":\"Subpipeline\",\"depends_on\":
[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":
[\"name\":\"Subpipeline\",\"task\":\"official_devcloud_subPipeline\",\"sequence\":\"0\",\"inputs\":
[\"key\":\"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID\",\"value\":\"dab5232b7b354b6db37e695690218c9b\"],
{\"key\":\"_OFFICIAL_DEVCLOUD_JOB_NAME_\",\"value\":\"新建流水线-空\",
{\"key\":\"_OFFICIAL_DEVCLOUD_JOB_VERSION_\",\"value\":\"3.0\"}],\"business_type\":\"Normal\",\"runtime_attributio
n\":\"agent\",\"identifier\":\"1706840079615af0c7bda-8885-4c31-
b9e8-1b393b5b0e97\",\"multi_step_editable\":\"0\",\"official_task_version\":\"0.0.18\",\"endpoint_ids\":
[]}],\"resource\":{\"type\":\"system\",\"arch\":\"x86\"},\"condition\":\"$
{{ default() }}\",\"exec_type\":\"OCTOPUS_JOB\",\"sequence\":\"0\",\"pipeline_id\":\"c0473f77481c4a12b254012876df71
b6\"}],\"identifier\":\"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84\",\"pre\":
[\"task\":\"official_devcloud_autoTrigger\",\"sequence\":\"0\"],\"post\":null,\"depends_on\":
[],\"run_always\":false,\"pipeline_id\":\"c0473f77481c4a12b254012876df71b6\"}]}");
    body.withManifestVersion("3.0");
    body.withIsPublish(false);
    body.withName("新建流水线-20240202101359");
    request.withBody(body);
    try {
        UpdatePipelineInfoResponse response = client.updatePipelineInfo(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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


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

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

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = UpdatePipelineInfoRequest()
    request.component_id = "<componentId>"
    request.body = PipelineDTO(
        id="c0473f77481c4a12b254012876df71b6",
        definition="{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
[\"id\": \"\", \"stage_id\": \"1706840051315\", \"identifier\": \"JOB_HwdAJ\", \"name\": \"Subpipeline\", \"depends_on\":
[], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
[\"name\": \"Subpipeline\", \"task\": \"official_devcloud_subPipeline\", \"sequence\": \"0\", \"inputs\":
[\"key\": \"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID\", \"value\": \"dab5232b7b354b6db37e695690218c9b\"],
{\"key\": \"_OFFICIAL_DEVCLOUD_JOB_NAME_\", \"value\": \"新建流水线-空\"},
{\"key\": \"_OFFICIAL_DEVCLOUD_JOB_VERSION_\", \"value\": \"3.0\"}], \"business_type\": \"Normal\", \"runtime_attributio
n\": \"agent\", \"identifier\": \"1706840079615af0c7bda-8885-4c31-b9e8-1b393b5b0e97\", \"multi_step_editable\": \"0\", \"official_task_version\": \"0.0.18\", \"endpoint_ids\":
[\"resource\": {\"type\": \"system\", \"arch\": \"x86\"}, \"condition\": \"$
{{ default() }}\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": \"0\", \"pipeline_id\": \"c0473f77481c4a12b254012876df71
b6\"}], \"identifier\": \"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84\", \"pre\":
[\"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\"], \"post\": null, \"depends_on\":
[], \"run_always\": false, \"pipeline_id\": \"c0473f77481c4a12b254012876df71b6\"}]\"},
        manifest_version="3.0",
        is_publish=False,
        name="新建流水线-20240202101359"
    )
    response = client.update_pipeline_info(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

```
Build()

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.UpdatePipelineInfoRequest{
    componentIdRequest:= "<componentId>"
    request.ComponentId = &componentIdRequest
    idPipelineDto:= "c0473f77481c4a12b254012876df71b6"
    definitionPipelineDto:= "{\"stages\": [{\"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\":
[ {\"id\": \"\", \"stage_id\": 1706840051315, \"identifier\": \"JOB_HwdAJ\", \"name\": \"Subpipeline\", \"depends_on\":
[], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\":
[ {\"name\": \"Subpipeline\", \"task\": \"official_devcloud_subPipeline\", \"sequence\": 0, \"inputs\":
[ {\"key\": \"SYSTEM_DEVCLOUD_SUBPIPELINE_TRIGGER_ID\", \"value\": \"dab5232b7b354b6db37e695690218c9b\"},
{ \"key\": \"_OFFICIAL_DEVCLOUD_JOB_NAME_\", \"value\": \"新建流水线-空\"},
{ \"key\": \"_OFFICIAL_DEVCLOUD_JOB_VERSION_\", \"value\": \"3.0\"}], \"business_type\": \"Normal\", \"runtime_attributio
n\": \"agent\", \"identifier\": \"1706840079615af0c7bda-8885-4c31-
b9e8-1b393b5b0e97\", \"multi_step_editable\": 0, \"official_task_version\": \"0.0.18\", \"endpoint_ids\":
[], \"resource\": {\"type\": \"system\", \"arch\": \"x86\"}, \"condition\": \"$
{{ default() }}\", \"exec_type\": \"OCTOPUS_JOB\", \"sequence\": 0, \"pipeline_id\": \"c0473f77481c4a12b254012876df71
b6\"}], \"identifier\": \"1706840051315bca51592-c211-49fe-ab76-bcf86f5efa84\", \"pre\":
[ {\"task\": \"official_devcloud_autoTrigger\", \"sequence\": 0}], \"post\": null, \"depends_on\":
[], \"run_always\": false, \"pipeline_id\": \"c0473f77481c4a12b254012876df71b6\"} ]}"
    manifestVersionPipelineDto:= "3.0"
    isPublishPipelineDto:= false
    namePipelineDto:= "新建流水线-20240202101359"
    request.Body = &model.PipelineDto{
        Id: &idPipelineDto,
        Definition: &definitionPipelineDto,
        ManifestVersion: &manifestVersionPipelineDto,
        IsPublish: &isPublishPipelineDto,
        Name: &namePipelineDto,
    }
}
response, err := client.UpdatePipelineInfo(request)
if err == nil {
    fmt.Printf("%v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.8 停止流水线

功能介绍

停止流水线

调用方法

请参见[如何调用API](#)。

URI

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

表 4-88 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID

请求参数

表 4-89 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-90 响应 Body 参数

参数	参数类型	描述
success	Boolean	操作是否成功

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.9 获取流水线执行记录

功能介绍

获取流水线执行记录

调用方法

请参见[如何调用API](#)。

URI

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

表 4-91 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID

请求参数

表 4-92 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-93 请求 Body 参数

参数	是否必选	参数类型	描述
status	否	Array of strings	状态
start_time	否	String	开始时间
end_time	否	String	结束时间
offset	否	Long	起始偏移
limit	否	Long	查询大小
sort_key	否	String	排序字段名称
sort_dir	否	String	排序规则

响应参数

状态码： 200

表 4-94 响应 Body 参数

参数	参数类型	描述
offset	Integer	起始偏移
limit	Integer	查询大小

参数	参数类型	描述
total	Integer	总数
pipeline_runs	Array of pipeline_runs objects	流水线运行信息

表 4-95 pipeline_runs

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_run_id	String	流水线运行实例ID
executor_id	String	执行人ID
executor_name	String	执行人名称
stage_status_list	Array of stage_status_list objects	阶段信息
status	String	状态
run_number	Integer	运行序号
trigger_type	String	触发类型
build_params	build_params object	构建参数
artifact_params	artifact_params object	制品源参数
start_time	Long	开始时间
end_time	Long	结束时间
detail_url	String	详情页地址
modify_url	String	修改页地址

表 4-96 stage_status_list

参数	参数类型	描述
name	String	阶段名称
sequence	Integer	序列号

参数	参数类型	描述
status	String	状态
start_time	String	开始时间
end_time	String	结束时间
id	String	阶段ID

表 4-97 build_params

参数	参数类型	描述
action	String	合并请求事件类型
build_type	String	基于分支还是tag触发
commit_id	String	代码仓提交ID
event_type	String	运行事件类型
merge_id	String	合并请求ID
message	String	代码仓提交信息
source_branch	String	源分支
tag	String	标签
target_branch	String	目标分支
codehub_id	String	Repo代码仓ID
git_url	String	代码仓https地址
source_codehub_id	String	源Repo代码仓ID
source_codehub_url	String	源Repo代码仓地址
source_codehub_http_url	String	源Repo代码仓http地址

表 4-98 artifact_params

参数	参数类型	描述
version	String	包版本
branch_filter	String	过滤分支
package_name	String	包名称

参数	参数类型	描述
organization	String	docker组织

请求示例

获取流水线执行记录。指定查询的起始偏移量为0，数量为10，开始时间戳为1677513600000，结束时间戳为1678118399000，并按照开始时间降序排序。

```
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
}
```

响应示例

状态码： 200

OK

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 1,
  "pipeline_runs" : [ {
    "pipeline_id" : "24949d4f4453495f8e5a76f993af7f43",
    "pipeline_run_id" : "ddb7532cb0e948f2af7bb4397fc19864",
    "executor_id" : "847a5317086c41798469d0868535943a",
    "executor_name" : "beta环境账号",
    "stage_status_list" : [ {
      "name" : "阶段_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" : "新建文件 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
  } ],
  "start_time" : 1677513600000,
  "end_time" : 1678118399000
}
```

```
    }  
  }  
}
```

SDK 代码示例

SDK代码示例如下。

Java

获取流水线执行记录。指定查询的起始偏移量为0，数量为10，开始时间戳为167751360000，结束时间戳为1678118399000，并按照开始时间降序排序。

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
import java.util.List;  
import java.util.ArrayList;  
  
public class ListPipelineRunsSolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))  
            .build();  
        ListPipelineRunsRequest request = new ListPipelineRunsRequest();  
        ListPipelineRunsQuery body = new ListPipelineRunsQuery();  
        List<String> listbodyStatus = new ArrayList<>();  
        listbodyStatus.add("COMPLETED");  
        listbodyStatus.add("RUNNING");  
        listbodyStatus.add("FAILED");  
        listbodyStatus.add("CANCELED");  
        listbodyStatus.add("PAUSED");  
        listbodyStatus.add("SUSPEND");  
        listbodyStatus.add("QUEUED");  
        body.withSortDir("DESC");  
        body.withSortKey("start_time");  
        body.withLimit(10L);  
        body.withOffset(0L);  
        body.withEndTime("1678118399000");  
        body.withStartTime("1677513600000");  
        body.withStatus(listbodyStatus);  
        request.withBody(body);  
        try {  
            ListPipelineRunsResponse response = client.listPipelineRuns(request);  
            System.out.println(response.toString());  
        } catch (ConnectionException e) {
```

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

Python

获取流水线执行记录。指定查询的起始偏移量为0，数量为10，开始时间戳为1677513600000，结束时间戳为1678118399000，并按照开始时间降序排序。

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListPipelineRunsRequest()
        list_statusbody = [
            "COMPLETED",
            "RUNNING",
            "FAILED",
            "CANCELED",
            "PAUSED",
            "SUSPEND",
            "QUEUED"
        ]
        request.body = ListPipelineRunsQuery(
            sort_dir="DESC",
            sort_key="start_time",
            limit=10,
            offset=0,
            end_time="1678118399000",
            start_time="1677513600000",
            status=list_statusbody
        )
        response = client.list_pipeline_runs(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

获取流水线执行记录。指定查询的起始偏移量为0，数量为10，开始时间戳为167751360000，结束时间戳为1678118399000，并按照开始时间降序排序。

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListPipelineRunsRequest{}
    var listStatusbody = []string{
        "COMPLETED",
        "RUNNING",
        "FAILED",
        "CANCELED",
        "PAUSED",
        "SUSPEND",
        "QUEUED",
    }
    sortDirListPipelineRunsQuery:= "DESC"
    sortKeyListPipelineRunsQuery:= "start_time"
    limitListPipelineRunsQuery:= int64(10)
    offsetListPipelineRunsQuery:= int64(0)
    endTimeListPipelineRunsQuery:= "1678118399000"
    startTimeListPipelineRunsQuery:= "167751360000"
    request.Body = &model.ListPipelineRunsQuery{
        SortDir: &sortDirListPipelineRunsQuery,
        SortKey: &sortKeyListPipelineRunsQuery,
        Limit: &limitListPipelineRunsQuery,
        Offset: &offsetListPipelineRunsQuery,
        EndTime: &endTimeListPipelineRunsQuery,
        StartTime: &startTimeListPipelineRunsQuery,
        Status: &listStatusbody,
    }
    response, err := client.ListPipelineRuns(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.10 基于模板创建流水线

功能介绍

基于模板创建流水线

调用方法

请参见[如何调用API](#)。

URI

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

表 4-99 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
template_id	是	String	模板ID

表 4-100 Query 参数

参数	是否必选	参数类型	描述
component_id	否	String	微服务id

请求参数

表 4-101 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-102 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	流水线名称
description	否	String	流水线描述
is_publish	是	Boolean	是否为变更流水线
sources	是	Array of CodeSource objects	流水线源
variables	否	Array of variables objects	流水线参数

表 4-103 CodeSource

参数	是否必选	参数类型	描述
type	否	String	流水线源类型
params	否	params object	流水线源参数

表 4-104 params

参数	是否必选	参数类型	描述
git_type	否	String	git类型
codehub_id	否	String	Repo代码仓ID
endpoint_id	否	String	扩展点id
default_branch	否	String	默认分支

参数	是否必选	参数类型	描述
git_url	否	String	git链接
ssh_git_url	否	String	ssh_git链接
web_url	否	String	网页url
repo_name	否	String	流水线源名称
alias	否	String	代码仓别名。别名仅支持输入大小写英文字母、数字、“_”，至多128个字符

表 4-105 variables

参数	是否必选	参数类型	描述
name	否	String	参数名称
sequence	否	Integer	参数序号
type	否	String	参数类型
value	否	String	参数值
is_secret	否	Boolean	是否私密参数
description	否	String	描述
is_runtime	否	Boolean	是否运行时设置
is_reset	否	Boolean	是否重置
latest_value	否	String	最后一次参数值
limits	否	Array of strings	枚举值

响应参数

状态码： 200

表 4-106 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID

请求示例

基于模板创建流水线。指定创建的流水线名称为”新建流水线-2023041516464511”，代码仓为”test001.git”，默认分支为”master”。

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

```
{
  "name": "新建流水线-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": ""
    }
  }
]
```

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

基于模板创建流水线。指定创建的流水线名称为”新建流水线-2023041516464511”，代码仓为”test001.git”，默认分支为”master”。

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

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

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

public class CreatePipelineByTemplateIdSolution {

    public static void main(String[] args) {
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great
```

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

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

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

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

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

Python

基于模板创建流水线。指定创建的流水线名称为“新建流水线-2023041516464511”，代码仓为“test001.git”，默认分支为“master”。

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *
```

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePipelineByTemplateIdRequest()
        request.component_id = "<component_id>"
        paramsSources = CodeSourceParams(
            git_type="codehub",
            codehub_id="2111717853",
            endpoint_id="",
            default_branch="master",
            git_url="https://example.com/cjrTest00002/test001.git",
            ssh_git_url="git@example.com:cjrTest00002/test001.git",
            web_url="",
            repo_name="test001",
            alias=""
        )
        listSourcesbody = [
            CodeSource(
                type="code",
                params=paramsSources
            )
        ]
        request.body = PipelineByTemplateDTO(
            sources=listSourcesbody,
            is_publish=False,
            description="",
            name="新建流水线-2023041516464511"
        )
        response = client.create_pipeline_by_template_id(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

基于模板创建流水线。指定创建的流水线名称为”新建流水线-2023041516464511”，代码仓为”test001.git”，默认分支为”master”。

```
package main

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

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    variables and decrypted during use to ensure security.
```

```
// In this example, AK and SK are stored in environment variables for authentication. Before running this
example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
ak := os.Getenv("CLOUD_SDK_AK")
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.CreatePipelineByTemplateIdRequest{
    componentIdRequest:= "<component_id>"
    request.ComponentId = &componentIdRequest
    gitTypeParams:= "codehub"
    codehubIdParams:= "2111717853"
    endpointIdParams:= ""
    defaultBranchParams:= "master"
    gitUrlParams:= "https://example.com/cjrTest00002/test001.git"
    sshGitUrlParams:= "git@example.com:cjrTest00002/test001.git"
    webUrlParams:= ""
    repoNameParams:= "test001"
    aliasParams:= ""
    paramsSources := &model.CodeSourceParams{
        GitType: &gitTypeParams,
        CodehubId: &codehubIdParams,
        EndpointId: &endpointIdParams,
        DefaultBranch: &defaultBranchParams,
        GitUrl: &gitUrlParams,
        SshGitUrl: &sshGitUrlParams,
        WebUrl: &webUrlParams,
        RepoName: &repoNameParams,
        Alias: &aliasParams,
    }
    typeSources:= "code"
    var listSourcesbody = []model.CodeSource{
        {
            Type: &typeSources,
            Params: paramsSources,
        },
    }
    descriptionPipelineByTemplateDto:= ""
    request.Body = &model.PipelineByTemplateDto{
        Sources: listSourcesbody,
        IsPublish: false,
        Description: &descriptionPipelineByTemplateDto,
        Name: "新建流水线-2023041516464511",
    }
    response, err := client.CreatePipelineByTemplateId(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.11 创建流水线

功能介绍

创建流水线

调用方法

请参见[如何调用API](#)。

URI

POST /v5/{project_id}/api/pipelines

表 4-107 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

表 4-108 Query 参数

参数	是否必选	参数类型	描述
component_id	否	String	组件ID

请求参数

表 4-109 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-110 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	流水线名称
description	否	String	流水线描述
is_publish	是	Boolean	是否为发布流水线
sources	否	Array of CodeSource objects	流水线源
variables	否	Array of CustomVariable objects	流水线自定义全局变量
schedules	否	Array of PipelineSchedule objects	流水线定时执行配置
triggers	否	Array of PipelineTrigger objects	流水线代码事件触发配置
manifest_version	否	String	流水线结构定义版本，新版默认为3.0
definition	是	String	流水线结构定义
project_name	否	String	项目名称
group_id	否	String	流水线组ID
id	否	String	若为复制场景，则为原流水线ID
concurrency_control	否	PipelineConcurrencyMgmt object	流水线并发管理

表 4-111 CodeSource

参数	是否必选	参数类型	描述
type	否	String	流水线源类型
params	否	params object	流水线源参数

表 4-112 params

参数	是否必选	参数类型	描述
git_type	否	String	git类型
codehub_id	否	String	Repo代码仓ID
endpoint_id	否	String	扩展点id
default_branch	否	String	默认分支
git_url	否	String	git链接
ssh_git_url	否	String	ssh_git链接
web_url	否	String	网页url
repo_name	否	String	流水线源名称
alias	否	String	代码仓别名。别名仅支持输入大小写英文字母、数字、“_”，至多128个字符

表 4-113 CustomVariable

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线ID
name	否	String	自定义参数名称
sequence	否	Integer	自定义参数顺序
type	否	String	自定义参数类型
value	否	String	自定义参数默认值
is_secret	否	Boolean	是否私密参数
description	否	String	自定义参数描述
is_runtime	否	Boolean	是否运行时设置

参数	是否必选	参数类型	描述
limits	否	Array of objects	限定枚举值
is_reset	否	Boolean	是否重置
latest_value	否	String	最近一次参数值
runtime_value	否	String	运行时传入值

表 4-114 PipelineSchedule

参数	是否必选	参数类型	描述
uuid	否	String	任务ID
type	否	String	任务类型
name	否	String	任务名称
enable	否	String	是否可用
days_of_week	否	Array of integers	一周内具体时间
time_zone	否	String	时区

表 4-115 PipelineTrigger

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线ID
git_url	否	String	git链接
git_type	否	String	git类型
is_auto_commit	否	Boolean	是否自动提交
events	否	Array of CodeEvent objects	事件
hook_id	否	String	回调id
repo_id	否	String	仓库id
endpoint_id	否	String	扩展点id
callback_url	否	String	回调链接
security_token	否	String	用户token

表 4-116 CodeEvent

参数	是否必选	参数类型	描述
type	否	String	事件类型
enable	否	Boolean	是否可用

表 4-117 PipelineConcurrencyMgmt

参数	是否必选	参数类型	描述
pipeline_id	否	String	流水线id
concurrency_number	否	Integer	并行数量
exceed_action	否	String	超出情况下策略
create_time	否	Long	创建时间
update_time	否	Long	更新时间
enable	否	Boolean	是否有效

响应参数

状态码： 200

表 4-118 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID

请求示例

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

```
{
  "name": "新建流水线-20231024204112",
  "description": "",
  "is_publish": false,
  "sources": [ {
    "type": "code",
    "params": {
      "git_type": "codehub",
      "codehub_id": "2111699317",
      "endpoint_id": "",
      "default_branch": "master",
      "git_url": "https://example.com/0213yjw100001/0213yjw1-android.git",
      "ssh_git_url": "git@example.com:0213yjw100001/0213yjw1-android.git",
      "web_url": "",
      "repo_name": "0213yjw1-android",
      "alias": ""
    }
  }
]
```

```
}
  },
  "definition" : "{ \"stages\": [{ \"id\": \"1698151278179\", \"identifier\": \"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533\", \"run_always\": false, \"name\": \"阶段_1\", \"sequence\": \"0\", \"jobs\": [{ \"id\": \"\", \"stage_id\": \"1698151278179\", \"identifier\": \"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b\", \"name\": \"新建任务\", \"depends_on\": [], \"timeout\": \"\", \"timeout_unit\": \"\", \"steps\": [], \"exec_type\": \"AGENTLESS_JOB\", \"sequence\": \"0\", \"rule_templates\": [], \"pre\": [{ \"task\": \"official_devcloud_autoTrigger\", \"sequence\": \"0\", \"post\": [], \"depends_on\": [] } ] } ] } }
```

响应示例

状态码： 200

OK

```
{
  "pipeline_id" : "8bfd69eac154a0da341705a36294aca"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class CreatePipelineNewSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        CreatePipelineNewRequest request = new CreatePipelineNewRequest();
        request.withComponentId("<component_id>");
        PipelineDTO body = new PipelineDTO();
        CodeSourceParams paramsSources = new CodeSourceParams();
        paramsSources.withGitType("codehub")
            .withCodehubId("2111699317")
            .withEndpointId("");
    }
}
```

```
.withDefaultBranch("master")
.withGitUrl("https://example.com/0213yjwt00001/0213yjwt1-android.git")
.withSshGitUrl("git@example.com:0213yjwt00001/0213yjwt1-android.git")
.withWebUrl("")
.withRepoName("0213yjwt1-android")
.withAlias("");
List<CodeSource> listbodySources = new ArrayList<>();
listbodySources.add(
    new CodeSource()
        .withType("code")
        .withParams(paramsSources)
);
body.withDefinition("{\"stages\":
[{"id":1698151278179,\"identifier\":\"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533\",\"run_always\":
false,\"name\":\"阶段_1\",\"sequence\":\"0\",\"jobs\":
[{"id\":\"\",\"stage_id\":1698151278179,\"identifier\":\"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b\",
name\":\"新建任务\",\"depends_on\":[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":
[],\"exec_type\":\"AGENTLESS_JOB\",\"sequence\":\"0\"}],\"rule_templates\":[],\"pre\":
[{"task\":\"official_devcloud_autoTrigger\",\"sequence\":\"0\"}],\"post\":[],\"depends_on\":[]}]}");
body.withSources(listbodySources);
body.withIsPublish(false);
body.withDescription("");
body.withName("新建流水线-20231024204112");
request.withBody(body);
try {
    CreatePipelineNewResponse response = client.createPipelineNew(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePipelineNewRequest()
```

```
request.component_id = "<component_id>"
paramsSources = CodeSourceParams(
    git_type="codehub",
    codehub_id="2111699317",
    endpoint_id="",
    default_branch="master",
    git_url="https://example.com/0213yjw100001/0213yjw1-android.git",
    ssh_git_url="git@example.com:0213yjw100001/0213yjw1-android.git",
    web_url="",
    repo_name="0213yjw1-android",
    alias=""
)
listSourcesbody = [
    CodeSource(
        type="code",
        params=paramsSources
    )
]
request.body = PipelineDTO(
    definition="{\"stages\":
[\"id\":\"1698151278179\",\"identifier\":\"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533\",\"run_always\":
false,\"name\":\"阶段_1\",\"sequence\":\"0\",\"jobs\":
[\"id\":\"\",\"stage_id\":\"1698151278179\",\"identifier\":\"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b\",
name\":\"新建任务\",\"depends_on\":[\"\",\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":
[\"exec_type\":\"AGENTLESS_JOB\",\"sequence\":0],\"rule_templates\":[\"pre\":
[\"task\":\"official_devcloud_autoTrigger\",\"sequence\":0],\"post\":[\"depends_on\":[]]}]\",
sources=listSourcesbody,
is_publish=False,
description="",
name="新建流水线-20231024204112"
)
response = client.create_pipeline_new(request)
print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
```

```
Build()

request := &model.CreatePipelineNewRequest{}
componentIdRequest := "<component_id>"
request.ComponentId = &componentIdRequest
gitTypeParams := "codehub"
codehubIdParams := "2111699317"
endpointIdParams := ""
defaultBranchParams := "master"
gitUrlParams := "https://example.com/0213yjwt100001/0213yjwt1-android.git"
sshGitUrlParams := "git@example.com:0213yjwt100001/0213yjwt1-android.git"
webUrlParams := ""
repoNameParams := "0213yjwt1-android"
aliasParams := ""
paramsSources := &model.CodeSourceParams{
    GitType: &gitTypeParams,
    CodehubId: &codehubIdParams,
    EndpointId: &endpointIdParams,
    DefaultBranch: &defaultBranchParams,
    GitUrl: &gitUrlParams,
    SshGitUrl: &sshGitUrlParams,
    WebUrl: &webUrlParams,
    RepoName: &repoNameParams,
    Alias: &aliasParams,
}
typeSources := "code"
var listSourcesbody = []model.CodeSource{
    {
        Type: &typeSources,
        Params: paramsSources,
    },
}
definitionPipelineDto := "{\"stages\":
[{"id":1698151278179,\"identifier\":\"169815127817987dd9f1d-7821-46e4-89be-2a95b01b0533\",\"run_always\":
false,\"name\":\"阶段_1\",\"sequence\":\"0\",\"jobs\":
[{"id\":\"\",\"stage_id\":1698151278179,\"identifier\":\"1698151278179f6548479-2eaf-420a-92a4-92d9a711c51b\",
name\":\"新建任务\",\"depends_on\":[],\"timeout\":\"\",\"timeout_unit\":\"\",\"steps\":
[],\"exec_type\":\"AGENTLESS_JOB\",\"sequence\":\"0\"}],\"rule_templates\":[],\"pre\":
[{"task\":\"official_devcloud_autoTrigger\",\"sequence\":\"0\"}],\"post\":[],\"depends_on\":[]}]}"
isPublishPipelineDto := false
descriptionPipelineDto := ""
namePipelineDto := "新建流水线-20231024204112"
request.Body = &model.PipelineDto{
    Definition: &definitionPipelineDto,
    Sources: &listSourcesbody,
    IsPublish: &isPublishPipelineDto,
    Description: &descriptionPipelineDto,
    Name: &namePipelineDto,
}
response, err := client.CreatePipelineNew(request)
if err == nil {
    fmt.Printf("%v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.12 重试运行流水线

功能介绍

重试运行流水线

调用方法

请参见[如何调用API](#)。

URI

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

表 4-119 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID

请求参数

表 4-120 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-121 响应 Body 参数

参数	参数类型	描述
success	Boolean	操作是否成功

请求示例

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

响应示例

状态码： 200

OK

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

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.13 通过人工审核

功能介绍

通过人工审核

调用方法

请参见[如何调用API](#)。

URI

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

表 4-122 路径参数

参数	是否必选	参数类型	描述
job_run_id	是	String	流水线任务ID
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID
step_run_id	是	String	流水线步骤ID

请求参数

表 4-123 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-124 响应 Body 参数

参数	参数类型	描述
success	Boolean	操作是否成功

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class AcceptManualReviewSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        AcceptManualReviewRequest request = new AcceptManualReviewRequest();
        try {
            AcceptManualReviewResponse response = client.acceptManualReview(request);
            System.out.println(response.toString());
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

```
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.14 驳回人工审核

功能介绍

驳回人工审核

调用方法

请参见[如何调用API](#)。

URI

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

表 4-125 路径参数

参数	是否必选	参数类型	描述
job_run_id	是	String	流水线任务ID
step_run_id	是	String	流水线步骤ID
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID

请求参数

表 4-126 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-127 响应 Body 参数

参数	参数类型	描述
success	Boolean	操作是否成功

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class RejectManualReviewSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        RejectManualReviewRequest request = new RejectManualReviewRequest();
        try {
            RejectManualReviewResponse response = client.rejectManualReview(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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

credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.2.15 查询流水线日志

功能介绍

查询流水线日志

调用方法

请参见[如何调用API](#)。

URI

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

表 4-128 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID
job_run_id	是	String	流水线任务ID
step_run_id	是	String	流水线步骤ID

请求参数

表 4-129 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-130 请求 Body 参数

参数	是否必选	参数类型	描述
start_offset	否	Long	日志起始偏移
end_offset	否	Long	日志结束偏移
limit	是	Long	最大日志行数
sort	是	String	排序规则["asc","desc"]

响应参数

状态码： 200

表 4-131 响应 Body 参数

参数	参数类型	描述
has_more	Boolean	是否有更多日志
end_offset	String	查询日志结束偏移。填入请求体end_offset字段，用于查询下一页日志。
start_offset	String	查询日志起始偏移。填入请求体start_offset字段，用于查询下一页日志。
log	String	日志内容
location	String	日志存储位置
step_run_id	String	所属步骤ID

请求示例

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



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

响应示例

状态码： 200

查询日志响应体

```
{  
  "has_more" : false,  
  "end_offset" : "25705",  
  "start_offset" : "6132",  
  "log" : "[2023/11/24 21:49:32.198 GMT+08:00] [INFO] [real_stage:执行Shell] : 该步骤开始执行。  
\n[2023/11/24 21:49:32.201 GMT+08:00] [INFO] [real_stage:执行Shell] : ===== start to do  
VmExecutionStep =====\n[2023/11/24 21:49:32.207 GMT+08:00] [INFO] [real_stage:执行  
Shell] : [frame] start to send status data to service.\n[2023/11/24 21:49:32.225 GMT+08:00] [INFO]  
[real_stage:执行Shell] : [frame] finish to save status data to service.\n[2023/11/24 21:49:32.777 GMT  
+08:00] [INFO] [real_stage:执行Shell] : slave arch: amd64\n[2023/11/24 21:49:33.330 GMT+08:00] [INFO]  
[real_stage:执行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]-[执行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\n[2023/11/24 21:49:36.548 GMT+08:00]  
[2023-11-24 21:49:36] [INFO] step 执行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:  
[{"1eaa92ceea2a42cab78e5269963a48c1 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:执行Shell] : [frame] start to send status data to service.\n[2023/11/24  
21:49:36.563 GMT+08:00] [INFO] [real_stage:执行Shell] : 该步骤执行完成。",  
  "location" : "jenkins",  
  "step_run_id" : "7a1a7bb1b5e74d1c944d8b8971621033"  
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowPipelineLogSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPipelineLogRequest request = new ShowPipelineLogRequest();
        LogQuery body = new LogQuery();
        body.withSort("asc");
        body.withLimit(500L);
        body.withEndOffset(0L);
        body.withStartOffset(0L);
        request.withBody(body);
        try {
            ShowPipelineLogResponse response = client.showPipelineLog(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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

credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowPipelineLogRequest{
        endOffsetLogQuery:= int64(0)
        startOffsetLogQuery:= int64(0)
        request.Body = &model.LogQuery{
            Sort: "asc",
            Limit: int64(500),
            EndOffset: &endOffsetLogQuery,
            StartOffset: &startOffsetLogQuery,
        }
    }
    response, err := client.ShowPipelineLog(request)
    if err == nil {
```

```
fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	查询日志响应体

错误码

请参见[错误码](#)。

4.2.16 获取流水线步骤执行输出

功能介绍

获取流水线步骤执行输出

调用方法

请参见[如何调用API](#)。

URI

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

表 4-132 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID

表 4-133 Query 参数

参数	是否必选	参数类型	描述
step_run_ids	是	String	步骤ID

请求参数

表 4-134 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-135 响应 Body 参数

参数	参数类型	描述
step_outputs	Array of step_outputs objects	步骤输出
current_system_time	Long	当前系统时间

表 4-136 step_outputs

参数	参数类型	描述
step_run_id	String	步骤ID
output_result	Array of output_result objects	步骤输出

表 4-137 output_result

参数	参数类型	描述
key	String	key值
value	String	value值

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowStepOutputsSolution {
```

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

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

    CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
        .withCredential(auth)
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
    ShowStepOutputsRequest request = new ShowStepOutputsRequest();
    request.withStepRunIds("<step_run_ids>");
    try {
        ShowStepOutputsResponse response = client.showStepOutputs(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ShowStepOutputsRequest()
        request.step_run_ids = "<step_run_ids>"
        response = client.show_step_outputs(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowStepOutputsRequest{}
    stepRunIdsRequest := "<step_run_ids>"
    request.StepRunIds = &stepRunIdsRequest
    response, err := client.ShowStepOutputs(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK

错误码

请参见[错误码](#)。

4.2.17 查询流水线上的构建产物

功能介绍

查询流水线上的构建产物

调用方法

请参见[如何调用API](#)。

URI

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

表 4-138 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID
pipeline_id	是	String	流水线ID
pipeline_run_id	是	String	流水线运行实例ID

请求参数

表 4-139 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-140 响应 Body 参数

参数	参数类型	描述
artifacts	Array of Artifact objects	产物列表

表 4-141 Artifact

参数	参数类型	描述
project_id	String	项目ID
name	String	名称
artifact_version	String	版本
upload_target	String	存放平台类型
artifact_package_type	String	产物包类型
artifact_uri	String	制品仓路径
artifact_download_url_with_id	String	制品仓下载链接
artifact_type	String	产物类型
hash_code	Array of hash_code objects	哈希码
job_id	String	构建任务ID
build_no	Integer	构建任务编号
daily_build_number	String	构建任务序号
file_size	String	产物大小

表 4-142 hash_code

参数	参数类型	描述
hash_type	String	哈希算法
hash_value	String	哈希值

请求示例

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

响应示例

状态码: 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowPipelineArtifactsSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPipelineArtifactsRequest request = new ShowPipelineArtifactsRequest();
        try {
            ShowPipelineArtifactsResponse response = client.showPipelineArtifacts(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

```
Build()

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK

错误码

请参见[错误码](#)。

4.3 分组管理

4.3.1 新建流水线分组

功能介绍

新建流水线分组

调用方法

请参见[如何调用API](#)。

URI

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

表 4-143 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

表 4-144 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-145 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	流水线分组名
project_id	是	String	项目名
parent_id	否	String	父分组ID

响应参数

状态码： 200

表 4-146 响应 Body 参数

参数	参数类型	描述
id	String	分组ID
domain_id	String	租户ID
project_id	String	项目ID
name	String	分组名
parent_id	String	父分组ID
path_id	String	分组路径ID
ordinal	Integer	序号
creator	String	创建用户ID

参数	参数类型	描述
updater	String	更新用户ID
create_time	Long	创建时间
update_time	Long	更新时间
children	Array of PipelineGroupVo objects	子分组列表

状态码： 400

表 4-147 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

创建G1分组

POST https://{endpoint}/v5/{project_id}/api/pipeline-group/create

```
{
  "name": "G1",
  "project_id": "d80a8a6530324b7bac972cbb8a9f28ec",
  "parent_id": ""
}
```

响应示例

状态码： 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
}
```

SDK 代码示例

SDK代码示例如下。

Java

创建G1分组

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

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

public class CreatePipelineGroupSolution {

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

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

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

        CreatePipelineGroupRequest request = new CreatePipelineGroupRequest();
        PipelineGroupCreateDTO body = new PipelineGroupCreateDTO();
        body.withParentId("");
        body.withProjectId("d80a8a6530324b7bac972cbb8a9f28ec");
        body.withName("G1");
        request.withBody(body);
        try {
            CreatePipelineGroupResponse response = client.createPipelineGroup(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

创建G1分组

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



```
import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePipelineGroupRequest()
        request.body = PipelineGroupCreateDTO(
            parent_id="",
            project_id="d80a8a6530324b7bac972cbb8a9f28ec",
            name="G1"
        )
        response = client.create_pipeline_group(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

创建G1分组

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
```

```
Build()  
  
request := &model.CreatePipelineGroupRequest{  
    parentIdPipelineGroupCreateDto:= ""  
    request.Body = &model.PipelineGroupCreateDto{  
        ParentId: &parentIdPipelineGroupCreateDto,  
        ProjectId: "d80a8a6530324b7bac972cbb8a9f28ec",  
        Name: "G1",  
    }  
    response, err := client.CreatePipelineGroup(request)  
    if err == nil {  
        fmt.Printf("%v\n", response)  
    } else {  
        fmt.Println(err)  
    }  
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.3.2 更新流水线分组

功能介绍

更新流水线分组

调用方法

请参见[如何调用API](#)。

URI

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

表 4-148 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

表 4-149 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-150 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	流水线分组名
id	是	String	流水线分组ID

响应参数

状态码： 200

表 4-151 响应 Body 参数

参数	参数类型	描述
success	Boolean	操作是否成功

状态码： 400

表 4-152 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

修改分组名为“新建分组2”

```
POST https://{endpoint}/v5/d80a8a6530324b7bac972cbb8a9f28ec/api/pipeline-group/update
{
  "name" : "新建分组2",
  "id" : "1d0ae9894c8549a88931539d1959c571"
}
```

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

修改分组名为“新建分组2”

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

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

public class UpdatePipelineGroupSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        UpdatePipelineGroupRequest request = new UpdatePipelineGroupRequest();
        PipelineGroupUpdateDTO body = new PipelineGroupUpdateDTO();
        body.withId("1d0ae9894c8549a88931539d1959c571");
        body.withName("新建分组2");
        request.withBody(body);
        try {
```

```
        UpdatePipelineGroupResponse response = client.updatePipelineGroup(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
}
```

Python

修改分组名为“新建分组2”

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UpdatePipelineGroupRequest()
        request.body = PipelineGroupUpdateDTO(
            id="1d0ae9894c8549a88931539d1959c571",
            name="新建分组2"
        )
        response = client.update_pipeline_group(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

修改分组名为“新建分组2”

```
package main

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

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UpdatePipelineGroupRequest{}
    request.Body = &model.PipelineGroupUpdateDto{
        Id: "1d0ae9894c8549a88931539d1959c571",
        Name: "新建分组2",
    }
    response, err := client.UpdatePipelineGroup(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.3.3 删除流水线分组

功能介绍

删除流水线分组

调用方法

请参见[如何调用API](#)。

URI

DELETE /v5/{project_id}/api/pipeline-group/delete

表 4-153 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

表 4-154 Query 参数

参数	是否必选	参数类型	描述
id	是	String	分组ID

请求参数

表 4-155 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-156 响应 Body 参数

参数	参数类型	描述
success	Boolean	操作是否成功

状态码： 400

表 4-157 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

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

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.3.4 查询流水线分组树

功能介绍

查询流水线分组树

调用方法

请参见[如何调用API](#)。

URI

GET /v5/{project_id}/api/pipeline-group/tree

表 4-158 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

表 4-159 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-160 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PipelineGroupVo objects	OK

表 4-161 PipelineGroupVo

参数	参数类型	描述
id	String	分组ID
domain_id	String	租户ID
project_id	String	项目ID
name	String	分组名
parent_id	String	父分组ID
path_id	String	分组路径ID

参数	参数类型	描述
ordinal	Integer	序号
creator	String	创建用户ID
updater	String	更新用户ID
create_time	Long	创建时间
update_time	Long	更新时间
children	Array of PipelineGroupVo objects	子分组列表

状态码： 400

表 4-162 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

```
[{
  "id": "894daf0db79c4ccb839490770fa06596",
  "domain_id": "ce8df55870164338a72d7e828a966a2a",
  "project_id": "d80a8a6530324b7bac972cbb8a9f28ec",
  "name": "新建分组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": "新建分组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" : "新建分组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" : "新建分组",
    "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" : "新建分组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" : "新建分组3",
      "parent_id" : "ebb779b3b9f742e181b1f6829fa1aca0",
      "path_id" :
"58d55f8a646443a984e7399632b3963e.ebb779b3b9f742e181b1f6829fa1aca0.6bc8a3cda52c41fe84d71c9ff86161ea",
      "ordinal" : 1,
      "creator" : "847a5317086c41798469d0868535943a",
      "updater" : null,
      "create_time" : 1698486710000,
```

```
"update_time" : null,  
"children" : null  
}]  
}]  
}]
```

SDK 代码示例

SDK代码示例如下。

Java

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

Python

```
# coding: utf-8  
  
import os  
from huaweicloudsdkcore.auth.credentials import BasicCredentials
```

```
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

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

```
}  
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.3.5 批量把流水线移动到分组下

功能介绍

批量把流水线移动到分组下

调用方法

请参见[如何调用API](#)。

URI

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

表 4-163 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

表 4-164 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-165 请求 Body 参数

参数	是否必选	参数类型	描述
group_id	是	String	分组ID
pipelines	是	Array of pipelines objects	流水线集合

表 4-166 pipelines

参数	是否必选	参数类型	描述
pipeline_id	是	String	流水线ID
pipeline_name	是	String	流水线名

响应参数

状态码： 200

表 4-167 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PipelineMoveToGroupResponseVo objects	OK

表 4-168 PipelineMoveToGroupResponseVo

参数	参数类型	描述
code	String	响应码 ["failed", "success"]
pipeline_id	String	流水线ID
pipeline_name	String	流水线名

状态码： 400

表 4-169 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
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"
  } ]
}
```

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class BatchMovePipelineToGroupSolution {

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

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

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

        BatchMovePipelineToGroupRequest request = new BatchMovePipelineToGroupRequest();
        PipelineGroupBindDTO body = new PipelineGroupBindDTO();
        List<PipelineGroupBindDTOPipelines> listbodyPipelines = new ArrayList<>();
        listbodyPipelines.add(
            new PipelineGroupBindDTOPipelines()
                .withPipelineId("1ae88404911a4513bcdf8158ab6a0416")
                .withPipelineName("sdfgsdfgdfsg345345")
        );
        listbodyPipelines.add(
            new PipelineGroupBindDTOPipelines()
                .withPipelineId("b99de7c698264251ac1fc3c053dc2b34")
                .withPipelineName("32131233131025122241")
        );
        body.withPipelines(listbodyPipelines);
        body.withGroupId("2ca78947b25847a9ab68a07d8ef1347b");
        request.withBody(body);
        try {
            BatchMovePipelineToGroupResponse response = client.batchMovePipelineToGroup(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = BatchMovePipelineToGroupRequest()
        listPipelinesbody = [
            PipelineGroupBindDTOPipelines(
                pipeline_id="1ae88404911a4513bcdf8158ab6a0416",
                pipeline_name="sdfgsdfgdfsg345345"
            ),
            PipelineGroupBindDTOPipelines(
                pipeline_id="b99de7c698264251ac1fc3c053dc2b34",
                pipeline_name="32131233131025122241"
            )
        ]
        request.body = PipelineGroupBindDTO(
            pipelines=listPipelinesbody,
            group_id="2ca78947b25847a9ab68a07d8ef1347b"
        )
        response = client.batch_move_pipeline_to_group(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

```
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.BatchMovePipelineToGroupRequest{}
var listPipelinesbody = []model.PipelineGroupBindDtoPipelines{
    {
        PipelineId: "1ae88404911a4513bcdf8158ab6a0416",
        PipelineName: "sdfgsdfgdfsg345345",
    },
    {
        PipelineId: "b99de7c698264251ac1fc3c053dc2b34",
        PipelineName: "32131233131025122241",
    },
}
request.Body = &model.PipelineGroupBindDto{
    Pipelines: listPipelinesbody,
    GroupId: "2ca78947b25847a9ab68a07d8ef1347b",
}
response, err := client.BatchMovePipelineToGroup(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.4 规则管理

4.4.1 获取单条规则详情

功能介绍

获取单条规则详情

调用方法

请参见[如何调用API](#)。

URI

GET /v2/{domain_id}/rules/{rule_id}/detail

表 4-170 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID
rule_id	是	String	规则ID

请求参数

表 4-171 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-172 响应 Body 参数

参数	参数类型	描述
id	String	规则ID
type	String	规则类型

参数	参数类型	描述
name	String	规则名称
version	String	规则版本
layout_content	String	布局内容
plugin_id	String	插件ID
plugin_name	String	插件名称
plugin_version	String	插件版本号
creator	String	创建人
create_time	String	创建时间
updater	String	更新人
update_time	String	更新时间
content	Array of RuleContent objects	规则属性列表

表 4-173 RuleContent

参数	参数类型	描述
group_name	String	分组名称
can_modify_when_inherit	Boolean	继承后的子策略是否可以修改阈值
properties	Array of RuleProperty objects	规则属性列表

表 4-174 RuleProperty

参数	参数类型	描述
key	String	属性键
type	String	类型
name	String	展示名称
operator	String	比较运算符
value	String	属性值

参数	参数类型	描述
value_type	String	数据类型

状态码： 400

表 4-175 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 401

表 4-176 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 403

表 4-177 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 404

表 4-178 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

请求示例

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

响应示例

状态码： 200

请求成功

```
{  
  "id": "865b4c2d616b46ab890fff056a6f7e05",  
  "type": "Build",  
  "name": "新建规则-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"  
}
```

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;
```

```
public class ShowRuleSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowRuleRequest request = new ShowRuleRequest();
        try {
            ShowRuleResponse response = client.showRule(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ShowRuleRequest()
        response = client.show_rule(request)
        print(response)
```



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

Go

```
package main  
  
import (  
    "fmt"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"  
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"  
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"  
)  
  
func main() {  
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    // variables and decrypted during use to ensure security.  
    // In this example, AK and SK are stored in environment variables for authentication. Before running this  
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak := os.Getenv("CLOUD_SDK_AK")  
    sk := os.Getenv("CLOUD_SDK_SK")  
  
    auth := basic.NewCredentialsBuilder().  
        WithAk(ak).  
        WithSk(sk).  
        Build()  
  
    client := codeartspipeline.NewCodeArtsPipelineClient(  
        codeartspipeline.CodeArtsPipelineClientBuilder().  
            WithRegion(region.ValueOf("<YOUR REGION>")).  
            WithCredential(auth).  
            Build())  
  
    request := &model.ShowRuleRequest{}  
    response, err := client.ShowRule(request)  
    if err == nil {  
        fmt.Printf("%+v\n", response)  
    } else {  
        fmt.Println(err)  
    }  
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	请求成功
400	请求失败
401	认证失败
403	无权限

状态码	描述
404	资源不存在

错误码

请参见[错误码](#)。

4.4.2 分页获取规则列表

功能介绍

分页获取规则列表

调用方法

请参见[如何调用API](#)。

URI

GET /v2/{domain_id}/rules/query

表 4-179 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-180 Query 参数

参数	是否必选	参数类型	描述
cloud_project_id	否	String	项目ID
offset	是	Integer	偏移量，表示从此偏移量开始查询，offset大于等于0
limit	是	Integer	每页显示的条目数量
type	否	String	类型
name	否	String	规则名称，用于模糊搜索

请求参数

表 4-181 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-182 响应 Body 参数

参数	参数类型	描述
data	Array of Rule objects	静态规则列表
total	Integer	总数

表 4-183 Rule

参数	参数类型	描述
id	String	规则ID
type	String	规则类型
name	String	规则名称
version	String	规则版本
operator	String	最近操作人员
operate_time	Long	最近操作时间

状态码： 400

表 4-184 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 401

表 4-185 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 403

表 4-186 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 404

表 4-187 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

请求示例

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

响应示例

状态码： 200

请求成功

```
{  
  "data": [ {  
    "id": "425eba0deaf04596a74cf7967d7fc04d",  
    "type": "Test",  
    "name": "新建规则-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": "新建规则0919",
  "version": "185537e4a10e418ba5f8ad424fabbb7e",
  "operator": "SectestB",
  "operate_time": 1695091251000
}, {
  "id": "062f3ca8f9b14eb79af09069a227fc8c",
  "type": "Gate",
  "name": "创建规则iam",
  "version": "c12fb9341230457890993533e03ab374",
  "operator": "testqxy",
  "operate_time": 1695072045000
}, {
  "id": "b3def7ae86d844718de5eb248c1271d3",
  "type": "Gate",
  "name": "创建规则iam0023",
  "version": "58a0ee7673924a1dadcf6ec28d23864c",
  "operator": "SectestB",
  "operate_time": 1694682961000
}, {
  "id": "ce74e818321d4d40b5235c0309fd8cda",
  "type": "Gate",
  "name": "apitest-create-1694588962601-QsaY",
  "version": "d65df316e067454db9467736412db418",
  "operator": "xxx",
  "operate_time": 1694588963000
}, {
  "id": "22973b3a02fe439ea8b642b3a6e23e02",
  "type": "Gate",
  "name": "代码检查",
  "version": "14cb09a530c744418013cf254e7dd262",
  "operator": "testjyw",
  "operate_time": 1694500871000
}, {
  "id": "a440107f12ea40439abf7203c0b3c264",
  "type": "Build",
  "name": "新建规则-20230912144025",
  "version": "1e99dbd87183453e9c719ded49cd3f9d",
  "operator": "testjyw",
  "operate_time": 1694500845000
}, {
  "id": "590700d339d44fb9beee87366332509b",
  "type": "Gate",
  "name": "新建规则-20230912140536",
  "version": "a35c74fc13ea4cdfa32ca541b3b92b2d",
  "operator": "xxx",
  "operate_time": 1694498754000
}, {
  "id": "defe9a17d6ae468cb7224b080fe418a3",
  "type": "Gate",
  "name": "新建规则-20230911100734-chq",
  "version": "dbd00db8d87747fda87eb0b9a0a4d3ac",
  "operator": "xxx",
  "operate_time": 1694398087000
}
],
"total": 379
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListRuleSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListRuleRequest request = new ListRuleRequest();
        request.withCloudProjectId("<cloud_project_id>");
        request.withOffset("<offset>");
        request.withLimit("<limit>");
        request.withType("<type>");
        request.withName("<name>");
        try {
            ListRuleResponse response = client.listRule(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = ListRuleRequest()
    request.cloud_project_id = "<cloud_project_id>"
    request.offset = <offset>
    request.limit = <limit>
    request.type = "<type>"
    request.name = "<name>"
    response = client.list_rule(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListRuleRequest{}
    cloudProjectIdRequest := "<cloud_project_id>"
    request.CloudProjectId = &cloudProjectIdRequest
    request.Offset = int32(<offset>)
    request.Limit = int32(<limit>)
    typeRequest := "<type>"
    request.Type = &typeRequest
    nameRequest := "<name>"
    request.Name = &nameRequest
```

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	请求成功
400	请求失败
401	认证失败
403	无权限
404	资源不存在

错误码

请参见[错误码](#)。

4.4.3 更新规则

功能介绍

更新规则

调用方法

请参见[如何调用API](#)。

URI

PUT /v2/{domain_id}/rules/{rule_id}/update

表 4-188 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID
rule_id	是	String	规则ID

请求参数

表 4-189 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-190 请求 Body 参数

参数	是否必选	参数类型	描述
type	是	String	规则类型
name	是	String	规则名称
layout_content	是	String	布局内容
plugin_id	否	String	插件ID
plugin_name	否	String	插件名称
plugin_version	否	String	插件版本号
content	是	Array of RuleContent objects	规则属性集

表 4-191 RuleContent

参数	是否必选	参数类型	描述
group_name	是	String	分组名称
can_modify_when_inherit	否	Boolean	继承后的子策略是否可以修改阈值
properties	是	Array of RuleProperty objects	规则属性列表

表 4-192 RuleProperty

参数	是否必选	参数类型	描述
key	是	String	属性键

参数	是否必选	参数类型	描述
type	是	String	类型
name	是	String	展示名称
operator	否	String	比较运算符
value	是	String	属性值
value_type	是	String	数据类型

响应参数

状态码： 200

表 4-193 响应 Body 参数

参数	参数类型	描述
status	Boolean	创建状态
rule_id	String	规则ID

状态码： 400

表 4-194 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 401

表 4-195 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 403

表 4-196 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 404

表 4-197 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

请求示例

PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/425eba0deaf04596a74cf7967d7fc04d/update

```
{
  "name": "新建规则-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测试通过率门禁",
    "properties": [ {
      "key": "pass_ratio",
      "name": "api测试通过率",
      "type": "judge",
      "operator": "=",
      "value_type": "float",
      "value": "0.5"
    } ]
  } ]
}
```

响应示例

状态码： 200

请求成功

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class UpdateRuleSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        UpdateRuleRequest request = new UpdateRuleRequest();
        UpdateRuleReq body = new UpdateRuleReq();
        List<RuleProperty> listContentProperties = new ArrayList<>();
        listContentProperties.add(
            new RuleProperty()
                .withKey("pass_ratio")
                .withType("judge")
                .withName("api测试通过率")
                .withOperator("=")
                .withValue("0.5")
                .withValueType("float")
        );
        List<RuleContent> listbodyContent = new ArrayList<>();
        listbodyContent.add(
            new RuleContent()
                .withGroupName("API测试通过率门禁")
                .withProperties(listContentProperties)
        );
        body.withContent(listbodyContent);
        body.withPluginVersion("0.0.12");
        body.withPluginName("official_devcloud_apiTest");
        body.withPluginId("official_devcloud_apiTest");
        body.withLayoutContent("layout_content");
        body.withName("新建规则-20230919104204");
        body.withType("Test");
        request.withBody(body);
        try {
            UpdateRuleResponse response = client.updateRule(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *
```

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

```
    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UpdateRuleRequest()
        listPropertiesContent = [
            RuleProperty(
                key="pass_ratio",
                type="judge",
                name="api测试通过率",
                operator "=",
                value="0.5",
                value_type="float"
            )
        ]
        listContentbody = [
            RuleContent(
                group_name="API测试通过率门禁",
                properties=listPropertiesContent
            )
        ]
        request.body = UpdateRuleReq(
            content=listContentbody,
            plugin_version="0.0.12",
            plugin_name="official_devcloud_apiTest",
            plugin_id="official_devcloud_apiTest",
            layout_content="layout_content",
            name="新建规则-20230919104204",
            type="Test"
        )
        response = client.update_rule(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UpdateRuleRequest{
        operatorProperties:= ""
        var listPropertiesContent = []model.RuleProperty{
            {
                Key: "pass_ratio",
                Type: "judge",
                Name: "api测试通过率",
                Operator: &operatorProperties,
                Value: "0.5",
                ValueType: "float",
            },
        },
    }
    var listContentbody = []model.RuleContent{
        {
            GroupName: "API测试通过率门禁",
            Properties: listPropertiesContent,
        },
    }
    pluginVersionUpdateRuleReq:= "0.0.12"
    pluginNameUpdateRuleReq:= "official_devcloud_apiTest"
    pluginIdUpdateRuleReq:= "official_devcloud_apiTest"
    request.Body = &model.UpdateRuleReq{
        Content: listContentbody,
        PluginVersion: &pluginVersionUpdateRuleReq,
        PluginName: &pluginNameUpdateRuleReq,
        PluginId: &pluginIdUpdateRuleReq,
        LayoutContent: "layout_content",
        Name: "新建规则-20230919104204",
        Type: "Test",
    }
    response, err := client.UpdateRule(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	请求成功
400	请求失败
401	认证失败
403	无权限
404	资源不存在

错误码

请参见[错误码](#)。

4.4.4 删除规则

功能介绍

删除规则

调用方法

请参见[如何调用API](#)。

URI

DELETE /v2/{domain_id}/rules/{rule_id}/delete

表 4-198 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID
rule_id	是	String	规则ID

请求参数

表 4-199 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-200 响应 Body 参数

参数	参数类型	描述
status	Boolean	状态

状态码： 400

表 4-201 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 401

表 4-202 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 403

表 4-203 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 404

表 4-204 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

请求示例

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

响应示例

状态码： 200

请求成功

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

状态码

状态码	描述
200	请求成功
400	请求失败
401	认证失败
403	无权限
404	资源不存在

错误码

请参见[错误码](#)。

4.4.5 创建规则

功能介绍

创建规则

调用方法

请参见[如何调用API](#)。

URI

POST /v2/{domain_id}/rules/create

表 4-205 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-206 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-207 请求 Body 参数

参数	是否必选	参数类型	描述
type	是	String	类型： Build, Gate, Deploy, Test, Normal
name	是	String	规则名称
layout_content	是	String	布局内容
plugin_id	否	String	插件ID
plugin_name	否	String	插件名称
plugin_version	否	String	插件版本号

参数	是否必选	参数类型	描述
content	是	Array of RuleContent objects	规则属性分组列表

表 4-208 RuleContent

参数	是否必选	参数类型	描述
group_name	是	String	分组名称
can_modify_when_inherit	否	Boolean	继承后的子策略是否可以修改阈值
properties	是	Array of RuleProperty objects	规则属性列表

表 4-209 RuleProperty

参数	是否必选	参数类型	描述
key	是	String	属性键
type	是	String	类型
name	是	String	展示名称
operator	否	String	比较运算符
value	是	String	属性值
value_type	是	String	数据类型

响应参数

状态码： 200

表 4-210 响应 Body 参数

参数	参数类型	描述
status	Boolean	创建状态
rule_id	String	规则ID

状态码： 400

表 4-211 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

POST https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/rules/create

```
{
  "name": "新建规则-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"
    }
  ]
}]
}
```

响应示例

状态码: 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class CreateRuleSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        CreateRuleRequest request = new CreateRuleRequest();
        CreateRuleReq body = new CreateRuleReq();
        List<RuleProperty> listContentProperties = new ArrayList<>();
        listContentProperties.add(
            new RuleProperty()
                .withKey("build.PassRatio")
                .withType("judge")
                .withName("PassRatio")
                .withOperator("=")
                .withValue("0.1")
                .withValueType("float")
        );
        listContentProperties.add(
            new RuleProperty()
                .withKey("build.TotalCases")
                .withType("judge")
                .withName("TotalCases")
                .withOperator("=")
                .withValue("0.1")
                .withValueType("float")
        );
        listContentProperties.add(
            new RuleProperty()
                .withKey("build.CoverageRatio")
                .withType("judge")
                .withName("CoverageRatio")
                .withOperator("=")
                .withValue("0.1")
                .withValueType("float")
        );
        List<RuleContent> listbodyContent = new ArrayList<>();
        listbodyContent.add(
            new RuleContent()
                .withGroupName("MavenUnitTest")
                .withProperties(listContentProperties)
        );
    }
}
```

```
);
body.withContent(listbodyContent);
body.withPluginVersion("0.0.15");
body.withPluginName("official_devcloud_cloudBuild");
body.withPluginId("official_devcloud_cloudBuild");
body.withLayoutContent("layout_content");
body.withName("新建规则-20231020170337");
body.withType("Build");
request.withBody(body);
try {
    CreateRuleResponse response = client.createRule(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreateRuleRequest()
        listPropertiesContent = [
            RuleProperty(
                key="build.PassRatio",
                type="judge",
                name="PassRatio",
                operator="=",
                value="0.1",
                value_type="float"
            ),
            RuleProperty(
                key="build.TotalCases",
                type="judge",
                name="TotalCases",
                operator="=",
                value="0.1",
            )
        ]
```

```
        value_type="float"
    ),
    RuleProperty(
        key="build.CoverageRatio",
        type="judge",
        name="CoverageRatio",
        operator="=",
        value="0.1",
        value_type="float"
    )
]
listContentbody = [
    RuleContent(
        group_name="MavenUnitTest",
        properties=listPropertiesContent
    )
]
request.body = CreateRuleReq(
    content=listContentbody,
    plugin_version="0.0.15",
    plugin_name="official_devcloud_cloudBuild",
    plugin_id="official_devcloud_cloudBuild",
    layout_content="layout_content",
    name="新建规则-20231020170337",
    type="Build"
)
response = client.create_rule(request)
print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreateRuleRequest{
        operatorProperties:= "="
        operatorProperties1:= "="
    }
```

```
operatorProperties2:= "="
var listPropertiesContent = []model.RuleProperty{
    {
        Key: "build.PassRatio",
        Type: "judge",
        Name: "PassRatio",
        Operator: &operatorProperties,
        Value: "0.1",
        ValueType: "float",
    },
    {
        Key: "build.TotalCases",
        Type: "judge",
        Name: "TotalCases",
        Operator: &operatorProperties1,
        Value: "0.1",
        ValueType: "float",
    },
    {
        Key: "build.CoverageRatio",
        Type: "judge",
        Name: "CoverageRatio",
        Operator: &operatorProperties2,
        Value: "0.1",
        ValueType: "float",
    },
}
var listContentbody = []model.RuleContent{
    {
        GroupName: "MavenUnitTest",
        Properties: listPropertiesContent,
    },
}
pluginVersionCreateRuleReq:= "0.0.15"
pluginNameCreateRuleReq:= "official_devcloud_cloudBuild"
pluginIdCreateRuleReq:= "official_devcloud_cloudBuild"
request.Body = &model.CreateRuleReq{
    Content: listContentbody,
    PluginVersion: &pluginVersionCreateRuleReq,
    PluginName: &pluginNameCreateRuleReq,
    PluginId: &pluginIdCreateRuleReq,
    LayoutContent: "layout_content",
    Name: "新建规则-20231020170337",
    Type: "Build",
}
response, err := client.CreateRule(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request

状态码	描述
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.5 租户级策略管理

4.5.1 创建策略

功能介绍

创建策略

调用方法

请参见[如何调用API](#)。

URI

POST /v2/{domain_id}/tenant/rule-sets/create

表 4-212 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-213 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-214 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	策略名称
rules	是	Array of RequestRuleInstance objects	规则列表

表 4-215 RequestRuleInstance

参数	是否必选	参数类型	描述
id	否	String	规则实例ID
is_valid	否	Boolean	规则实例状态

响应参数

状态码： 200

表 4-216 响应 Body 参数

参数	参数类型	描述
status	Boolean	状态
rule_set_id	String	策略ID

状态码： 400

表 4-217 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
POST https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/create
{
  "name": "创建策略-20231020171008",
  "rules": [ {
    "id": "425eba0deaf04596a74cf7967d7fc04d",
    "is_valid": true
  }
]
```

```
    }  
  }  
}
```

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
import java.util.List;  
import java.util.ArrayList;  
  
public class CreateStrategySolution {  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))  
            .build();  
        CreateStrategyRequest request = new CreateStrategyRequest();  
        CreateRuleSetReq body = new CreateRuleSetReq();  
        List<RequestRuleInstance> listbodyRules = new ArrayList<>();  
        listbodyRules.add(  
            new RequestRuleInstance()  
                .withId("425eba0deaf04596a74cf7967d7fc04d")  
                .withIsValid(true)  
        );  
        body.withRules(listbodyRules);  
        body.withName("创建策略-20231020171008");  
        request.withBody(body);  
        try {  
            CreateStrategyResponse response = client.createStrategy(request);  
            System.out.println(response.toString());  
        }  
    }  
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreateStrategyRequest()
        listRulesbody = [
            RequestRuleInstance(
                id="425eba0deaf04596a74cf7967d7fc04d",
                is_valid=True
            )
        ]
        request.body = CreateRuleSetReq(
            rules=listRulesbody,
            name="创建策略-20231020171008"
        )
        response = client.create_strategy(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreateStrategyRequest{
        idRules:= "425eba0deaf04596a74cf7967d7fc04d"
        isValidRules:= true
        var listRulesbody = []model.RequestRuleInstance{
            {
                Id: &idRules,
                IsValid: &isValidRules,
            },
        }
        request.Body = &model.CreateRuleSetReq{
            Rules: listRulesbody,
            Name: "创建策略-20231020171008",
        }
        response, err := client.CreateStrategy(request)
        if err == nil {
            fmt.Printf("%+v\n", response)
        } else {
            fmt.Println(err)
        }
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.5.2 修改策略

功能介绍

修改策略

调用方法

请参见[如何调用API](#)。

URI

PUT /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/update

表 4-218 路径参数

参数	是否必选	参数类型	描述
rule_set_id	是	String	策略ID
domain_id	是	String	租户ID

请求参数

表 4-219 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-220 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	规则模版实例名称
rules	否	Array of UpdateRuleInstance objects	规则实例列表

表 4-221 UpdateRuleInstance

参数	是否必选	参数类型	描述
id	否	String	规则实例ID
is_valid	否	Boolean	规则实例状态

响应参数

状态码： 200

表 4-222 响应 Body 参数

参数	参数类型	描述
status	Boolean	状态
rule_set_id	String	策略ID

状态码： 400

表 4-223 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
PUT https://{endpoint}/v2/ce8df55870164338a72d7e828a966a2a/tenant/rule-sets/  
6cb18ee5ca1c48caa335706e0e5ee288/update
```

```
{  
  "name": "创建一个租户级策略",  
  "rules": [{  
    "id": "097f315044244c9193f1e3f1fba7979d",  
    "is_valid": true  
  }, {  
    "id": "80cfcff078074b8aa7951d7b67b3137b",  
    "is_valid": true  
  }]  
}
```

响应示例

状态码： 200

OK

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

```
"rule_set_id" : "6cb18ee5ca1c48caa335706e0e5ee288"  
}
```

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
import java.util.List;  
import java.util.ArrayList;  
  
public class UpdateStrategySolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))  
            .build();  
  
        UpdateStrategyRequest request = new UpdateStrategyRequest();  
        UpdateRuleSetReq body = new UpdateRuleSetReq();  
        List<UpdateRuleInstance> listbodyRules = new ArrayList<>();  
        listbodyRules.add(  
            new UpdateRuleInstance()  
                .withId("097f315044244c9193f1e3f1fba7979d")  
                .withIsValid(true)  
        );  
        listbodyRules.add(  
            new UpdateRuleInstance()  
                .withId("80cfcff078074b8aa7951d7b67b3137b")  
                .withIsValid(true)  
        );  
        body.withRules(listbodyRules);  
        body.withName("创建一个租户级策略");  
        request.withBody(body);  
        try {  
            UpdateStrategyResponse response = client.updateStrategy(request);  
            System.out.println(response.toString());  
        } catch (ConnectionException e) {  
            e.printStackTrace();  
        } catch (RequestTimeoutException e) {  
            e.printStackTrace();  
        } catch (ServiceResponseException e) {  
            e.printStackTrace();  
            System.out.println(e.getHttpStatusCode());  
        }  
    }  
}
```



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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UpdateStrategyRequest()
        listRulesbody = [
            UpdateRuleInstance(
                id="097f315044244c9193f1e3f1fba7979d",
                is_valid=True
            ),
            UpdateRuleInstance(
                id="80cfcff078074b8aa7951d7b67b3137b",
                is_valid=True
            )
        ]
        request.body = UpdateRuleSetReq(
            rules=listRulesbody,
            name="创建一个租户级策略"
        )
        response = client.update_strategy(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UpdateStrategyRequest{
        idRules:= "097f315044244c9193f1e3f1fba7979d"
        isValidRules:= true
        idRules1:= "80cfcff078074b8aa7951d7b67b3137b"
        isValidRules1:= true
        var listRulesbody = []model.UpdateRuleInstance{
            {
                Id: &idRules,
                IsValid: &isValidRules,
            },
            {
                Id: &idRules1,
                IsValid: &isValidRules1,
            },
        }
        nameUpdateRuleSetReq:= "创建一个租户级策略"
        request.Body = &model.UpdateRuleSetReq{
            Rules: &listRulesbody,
            Name: &nameUpdateRuleSetReq,
        }
        response, err := client.UpdateStrategy(request)
        if err == nil {
            fmt.Printf("%+v\n", response)
        } else {
            fmt.Println(err)
        }
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden

状态码	描述
404	Not Found

错误码

请参见[错误码](#)。

4.5.3 获取策略详情

功能介绍

获取策略详情

调用方法

请参见[如何调用API](#)。

URI

GET /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/detail

表 4-224 路径参数

参数	是否必选	参数类型	描述
rule_set_id	是	String	策略ID
domain_id	是	String	租户ID

表 4-225 Query 参数

参数	是否必选	参数类型	描述
cloud_project_id	否	String	项目ID

请求参数

表 4-226 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-227 响应 Body 参数

参数	参数类型	描述
id	String	规则模版实例ID
name	String	规则模版实例名称
type	String	类型
version	String	版本
creator	String	创建人
create_time	String	创建时间
updater	String	最近更新人
update_time	String	最近更新时间
is_valid	Boolean	是否生效
rule_instances	Array of RuleInstance objects	规则实例集合

表 4-228 RuleInstance

参数	参数类型	描述
id	String	规则实例ID
type	String	规则类型ID
name	String	规则名称
version	String	规则版本

参数	参数类型	描述
plugin_id	String	插件ID
plugin_name	String	插件名称
plugin_version	String	插件版本号
is_valid	Boolean	是否生效
editable	Boolean	是否可编辑
content	Array of RuleInstanceContent objects	规则属性列表
parent	RuleSet object	父级规则实例模板简要信息

表 4-229 RuleInstanceContent

参数	参数类型	描述
group_name	String	分组名称
type	String	分组类型
can_modify_when_inherit	Boolean	继承后的子策略是否可以修改阈值
properties	Array of RuleInstanceProperty objects	规则属性列表

表 4-230 RuleInstanceProperty

参数	参数类型	描述
key	String	属性键
type	String	类型
name	String	展示名称
operator	String	比较运算符
value	String	属性值
value_type	String	数据类型

表 4-231 RuleSet

参数	参数类型	描述
id	String	规则模版实例ID
name	String	规则模版实例名称
type	String	类型
version	String	版本
operator	String	最近操作人
operate_time	Long	最近操作时间
is_valid	Boolean	是否生效
level	String	租户级、项目级
is_public	Boolean	是否系统级

状态码： 400

表 4-232 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

```
{
  "id": "6cb18ee5ca1c48caa335706e0e5ee288",
  "name": "创建一个租户级策略",
  "version": "c0ca09cfda8a426bbdb8df4c34c4831e",
  "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自动化创建规则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测试通过率门禁",
  "can_modify_when_inherit" : false,
  "properties" : [ {
    "key" : "apitest",
    "type" : "judge",
    "name" : "api测试通过率",
    "value_type" : "float",
    "value" : "0.5",
    "operator" : ">="
  } ]
} ]
} ]
} ]
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowStrategySolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowStrategyRequest request = new ShowStrategyRequest();
        request.withCloudProjectId("<cloud_project_id>");
        try {
            ShowStrategyResponse response = client.showStrategy(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ShowStrategyRequest()
        request.cloud_project_id = "<cloud_project_id>"
        response = client.show_strategy(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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



```
client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ShowStrategyRequest{}
cloudProjectIdRequest := "<cloud_project_id>"
request.CloudProjectId = &cloudProjectIdRequest
response, err := client.ShowStrategy(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.5.4 获取策略列表

功能介绍

获取策略列表

调用方法

请参见[如何调用API](#)。

URI

GET /v2/{domain_id}/tenant/rule-sets/query

表 4-233 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-234 Query 参数

参数	是否必选	参数类型	描述
offset	是	Integer	偏移量，表示从此偏移量开始查询，offset大于等于0
limit	是	Integer	每页显示的条目数量
include_tenant_rule_set	是	Boolean	是否包含租户级规则
name	否	String	策略名称，用于模糊查询
is_valid	否	Boolean	是否有效
type	否	String	策略类型
cloud_project_id	否	String	项目ID

请求参数

表 4-235 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-236 响应 Body 参数

参数	参数类型	描述
data	Array of RuleSet objects	规则实例列表

参数	参数类型	描述
total	Long	总数

表 4-237 RuleSet

参数	参数类型	描述
id	String	规则模版实例ID
name	String	规则模版实例名称
type	String	类型
version	String	版本
operator	String	最近操作人
operate_time	Long	最近操作时间
is_valid	Boolean	是否生效
level	String	租户级、项目级
is_public	Boolean	是否系统级

状态码： 400

表 4-238 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

```
{
  "data": [ {
    "id": "30782f30c92e4c1dbc3c596075970d67",
    "name": "DJtest创建租户级策略-apitest-rKaG",
    "level": "tenant",
    "is_valid": true,
    "version": "67e915e472554f719abe513c28728d9f",
```

```
"operator" : "xxx",
"is_public" : false,
"operate_time" : 1692695390000
}, {
  "id" : "4f5fb96022974a2781174584f799d8c2",
  "name" : "DJtest创建租户级策略-apitest-S190",
  "level" : "tenant",
  "is_valid" : true,
  "version" : "61ebfef577c34406b5647ac1d83e7bb8",
  "operator" : "xxx",
  "is_public" : false,
  "operate_time" : 1692695390000
}],
"total" : 333
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListStrategySolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListStrategyRequest request = new ListStrategyRequest();
        request.withOffset(<offset>);
        request.withLimit(<limit>);
        request.withIncludeTenantRuleSet(<include_tenant_rule_set>);
        request.withName("<name>");
        request.withIsValid(<is_valid>);
        request.withType("<type>");
        request.withCloudProjectId("<cloud_project_id>");
        try {
            ListStrategyResponse response = client.listStrategy(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListStrategyRequest()
        request.offset = <offset>
        request.limit = <limit>
        request.include_tenant_rule_set = <IncludeTenantRuleSet>
        request.name = "<name>"
        request.is_valid = <IsValid>
        request.type = "<type>"
        request.cloud_project_id = "<cloud_project_id>"
        response = client.list_strategy(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment
    // variables and decrypted during use to ensure security.
```

```
// In this example, AK and SK are stored in environment variables for authentication. Before running this
example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
ak := os.Getenv("CLOUD_SDK_AK")
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ListStrategyRequest{}
request.Offset = int32(<offset>)
request.Limit = int32(<limit>)
request.IncludeTenantRuleSet = <include_tenant_rule_set>
nameRequest := "<name>"
request.Name = &nameRequest
isValidRequest := <is_valid>
request.IsValid = &isValidRequest
typeRequest := "<type>"
request.Type = &typeRequest
cloudProjectIdRequest := "<cloud_project_id>"
request.CloudProjectId = &cloudProjectIdRequest
response, err := client.ListStrategy(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.5.5 删除策略

功能介绍

删除策略

调用方法

请参见[如何调用API](#)。

URI

DELETE /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/delete

表 4-239 路径参数

参数	是否必选	参数类型	描述
rule_set_id	是	String	策略ID
domain_id	是	String	租户ID

请求参数

表 4-240 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-241 响应 Body 参数

参数	参数类型	描述
status	Boolean	状态

状态码： 400

表 4-242 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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



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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

```
ak := os.Getenv("CLOUD_SDK_AK")
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.5.6 开关策略

功能介绍

修改策略状态

调用方法

请参见[如何调用API](#)。

URI

PUT /v2/{domain_id}/tenant/rule-sets/{rule_set_id}/switch

表 4-243 路径参数

参数	是否必选	参数类型	描述
rule_set_id	是	String	策略ID
domain_id	是	String	租户ID

请求参数

表 4-244 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-245 请求 Body 参数

参数	是否必选	参数类型	描述
is_valid	是	Boolean	规则模版实例状态

响应参数

状态码： 200

表 4-246 响应 Body 参数

参数	参数类型	描述
status	Boolean	状态
rule_set_id	String	策略ID

状态码： 400

表 4-247 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
public class SwitchStrategySolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()  
            .withCredential(auth)
```

```
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
SwitchStrategyRequest request = new SwitchStrategyRequest();
UpdateRuleSetStatusReq body = new UpdateRuleSetStatusReq();
body.withIsValid(false);
request.withBody(body);
try {
    SwitchStrategyResponse response = client.switchStrategy(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = SwitchStrategyRequest()
        request.body = UpdateRuleSetStatusReq(
            is_valid=False
        )
        response = client.switch_strategy(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
```

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.SwitchStrategyRequest{}
    request.Body = &model.UpdateRuleSetStatusReq{
        IsValid: false,
    }
    response, err := client.SwitchStrategy(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.6 项目级策略管理

4.6.1 获取项目级策略列表

功能介绍

获取项目级策略列表

调用方法

请参见[如何调用API](#)。

URI

GET /v2/{project_id}/rule-sets/query

表 4-248 路径参数

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

表 4-249 Query 参数

参数	是否必选	参数类型	描述
offset	是	Integer	偏移量，表示从此偏移量开始查询，offset大于等于0
limit	是	Integer	每页显示的条目数量
include_tenant_rule_set	是	Boolean	是否包含租户级规则
name	否	String	策略名称，用于模糊查询
is_valid	否	Boolean	是否有效
type	否	String	策略类型

请求参数

表 4-250 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-251 响应 Body 参数

参数	参数类型	描述
data	Array of RuleSet objects	规则实例列表
total	Long	总数

表 4-252 RuleSet

参数	参数类型	描述
id	String	规则模版实例ID
name	String	规则模版实例名称
type	String	类型
version	String	版本
operator	String	最近操作人
operate_time	Long	最近操作时间
is_valid	Boolean	是否生效
level	String	租户级、项目级
is_public	Boolean	是否系统级

状态码： 400

表 4-253 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

```
{
  "data": [ {
    "id": "98183e0e70634f4d99da7dc549496652",
    "name": "创建策略-20230915203425",
    "level": "project",
    "is_valid": true,
    "version": "82ed35e3ecd041ebace8d62347042368",
    "operator": "xxx",
    "is_public": false,
    "operate_time": 1694781278000
  }, {
    "id": "becbd00aa13147c6a226283a4bad57e0",
    "name": "创建策略-20230817183223",
    "level": "project",
    "is_valid": true,
    "version": "e3cc0a3df511486ea36bdcb46df724f8",
    "operator": "xxx",
    "is_public": false,
    "operate_time": 1693900336000
  }, {
    "id": "52b24f9add844832a2af11f2e760c730",
    "name": "codecheck-copy",
    "level": "project",
    "is_valid": true,
    "version": "a2e50e1972f348e0838679eabe0b4467",
    "operator": "xxx",
    "is_public": false,
    "operate_time": 1693900325000
  }, {
    "id": "d899845c2eff4fa18860fa4b31c5ee31",
    "name": "codecheck",
    "level": "project",
    "is_valid": true,
    "version": "20f79c6ff8844f5391882d7b3497761b",
    "operator": "xxx",
    "is_public": false,
    "operate_time": 1693300726000
  } ],
  "total": 4
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListProjectStrategySolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListProjectStrategyRequest request = new ListProjectStrategyRequest();
        request.withOffset(<offset>);
        request.withLimit(<limit>);
        request.withIncludeTenantRuleSet(<include_tenant_rule_set>);
        request.withName("<name>");
        request.withIsValid(<is_valid>);
        request.withType("<type>");
        try {
            ListProjectStrategyResponse response = client.listProjectStrategy(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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

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

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = ListProjectStrategyRequest()
    request.offset = <offset>
    request.limit = <limit>
    request.include_tenant_rule_set = <IncludeTenantRuleSet>
    request.name = "<name>"
    request.is_valid = <IsValid>
    request.type = "<type>"
    response = client.list_project_strategy(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListProjectStrategyRequest{}
    request.Offset = int32(<offset>)
    request.Limit = int32(<limit>)
    request.IncludeTenantRuleSet = <include_tenant_rule_set>
    nameRequest := "<name>"
    request.Name = &nameRequest
    isValidRequest := <is_valid>
```

```
request.IsValid = &isValidRequest
typeRequest:= "<type>"
request.Type = &typeRequest
response, err := client.ListProjectStrategy(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.6.2 查询项目级策略详情

功能介绍

查询项目级策略详情

调用方法

请参见[如何调用API](#)。

URI

GET /v2/{project_id}/rule-sets/{rule_set_id}/gray/detail

表 4-254 路径参数

参数	是否必选	参数类型	描述
rule_set_id	是	String	策略ID

参数	是否必选	参数类型	描述
project_id	是	String	项目ID

请求参数

无

响应参数

状态码： 200

表 4-255 响应 Body 参数

参数	参数类型	描述
id	String	规则模版实例ID
name	String	规则模版实例名称
type	String	类型
version	String	版本
creator	String	创建人
create_time	String	创建时间
updater	String	最近更新人
update_time	String	最近更新时间
is_valid	Boolean	是否生效
rule_instances	Array of RuleInstance objects	规则实例集合

表 4-256 RuleInstance

参数	参数类型	描述
id	String	规则实例ID
type	String	规则类型ID
name	String	规则名称
version	String	规则版本
plugin_id	String	插件ID
plugin_name	String	插件名称

参数	参数类型	描述
plugin_version	String	插件版本号
is_valid	Boolean	是否生效
editable	Boolean	是否可编辑
content	Array of RuleInstanceContent objects	规则属性列表
parent	RuleSet object	父级规则实例模板简要信息

表 4-257 RuleInstanceContent

参数	参数类型	描述
group_name	String	分组名称
type	String	分组类型
can_modify_when_inherit	Boolean	继承后的子策略是否可以修改阈值
properties	Array of RuleInstanceProperty objects	规则属性列表

表 4-258 RuleInstanceProperty

参数	参数类型	描述
key	String	属性键
type	String	类型
name	String	展示名称
operator	String	比较运算符
value	String	属性值
value_type	String	数据类型

表 4-259 RuleSet

参数	参数类型	描述
id	String	规则模版实例ID
name	String	规则模版实例名称
type	String	类型
version	String	版本
operator	String	最近操作人
operate_time	Long	最近操作时间
is_valid	Boolean	是否生效
level	String	租户级、项目级
is_public	Boolean	是否系统级

状态码： 400

表 4-260 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

状态码： 401

表 4-261 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 403

表 4-262 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

状态码： 404

表 4-263 响应 Body 参数

参数	参数类型	描述
error_code	String	错误码
error_msg	String	错误描述

请求示例

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

响应示例

状态码： 200

OK

```
{
  "id": "f9228e23118c4fa5a9c86493ea0cffc2",
  "name": "系统策略",
  "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测试通过率门禁",
    "is_valid": false,
    "version": "90cd646fa8cd7f91d38e592dbb76a62e",
    "plugin_id": "official_devcloud_apiTest",
    "plugin_name": "official_devcloud_apiTest",
    "plugin_version": "0.0.1",
    "content": [ {
      "group_name": "API测试通过率门禁",
      "can_modify_when_inherit": true,
      "properties": [ {
        "key": "apitest",
        "type": "judge",
        "name": "api测试通过率",
        "value_type": "float",
        "value": "1.0",
        "operator": ">="
      } ]
    } ]
  } ]
}
```

SDK 代码示例

SDK代码示例如下。

Java

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



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

public class ShowProjectStrategySolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowProjectStrategyRequest request = new ShowProjectStrategyRequest();
        try {
            ShowProjectStrategyResponse response = client.showProjectStrategy(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsPipelineClient.new_builder() \
```

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK

状态码	描述
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7 扩展插件管理

4.7.1 创建插件版本

功能介绍

创建插件版本

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/create

表 4-264 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-265 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-266 请求 Body 参数

参数	是否必选	参数类型	描述
unique_id	否	String	唯一ID
icon_url	否	String	图标URL
runtime_attri bution	是	String	运行属性
plugin_name	是	String	插件名
display_name	是	String	展示名
business_type	是	String	业务类型
business_type _display_nam e	是	String	业务类型展示名
description	是	String	描述
is_private	否	Integer	是否私有
region	否	String	局点
maintainers	否	String	维护者
version	是	String	版本号
version_descri ption	否	String	版本号说明
execution_inf o	是	execution_inf o object	执行信息
input_info	否	Array of input_info objects	输入信息

表 4-267 execution_info

参数	是否必选	参数类型	描述
inner_executi on_info	否	Object	执行信息

表 4-268 input_info

参数	是否必选	参数类型	描述
name	否	String	名称

参数	是否必选	参数类型	描述
default_value	否	String	默认值
type	否	String	输入类型
validation	否	String	验证
layout_content	否	String	样式信息

响应参数

状态码： 400

表 4-269 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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": "通用",
  "icon_url": "",
  "runtime_attribution": "agent",
  "input_info": [ ],
  "execution_info": {
    "inner_execution_info": {
      "execution_type": "COMPOSITE",
      "steps": [ {
        "task": "official_shell_plugin",
        "name": "执行Shell",
        "identifier": "16993543666638cda5035-4854-4bc8-a88a-e1465b1bcc7a",
        "variables": {
          "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
      }
    ]
  }
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class CreatePluginVersionSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        CreatePluginVersionRequest request = new CreatePluginVersionRequest();
        PluginDTO body = new PluginDTO();
        PluginDTOExecutionInfo executionInfoBody = new PluginDTOExecutionInfo();
        executionInfoBody.withInnerExecutionInfo("{\"execution_type\":\"COMPOSITE\",\"steps\":[{\"identifier\":"
        + "\"1699354366638cda5035-4854-4bc8-a88a-e1465b1bcc7a\",\"variables\":"
        + "{\"OFFICIAL_SHELL_SCRIPT_INPUT\":{\"env\":[\"task\":{\"official_shell_plugin\",\"name\":\"执行Shell\"}}}]");
        body.withExecutionInfo(executionInfoBody);
        body.withVersionDescription("");
        body.withVersion("0.0.2");
        body.withDescription("");
        body.withBusinessTypeDisplayName("通用");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withRuntimeAttribution("agent");
        body.withIconUrl("");
        body.withUniqueId("ab43c83c2ae0400afd039ad894e953b");
        request.withBody(body);
        try {
            CreatePluginVersionResponse response = client.createPluginVersion(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePluginVersionRequest()
        executionInfobody = PluginDTOExecutionInfo(
            inner_execution_info="{\"execution_type\": \"COMPOSITE\", \"steps\": [{\"identifier
\": \"1699354366638cda5035-4854-4bc8-a88a-e1465b1bcc7a\", \"variables\":
\": \"OFFICIAL_SHELL_SCRIPT_INPUT\": {\"env\": \"\", \"task\": \"official_shell_plugin\", \"name\": \"执行Shell\"}}]}"}
        )
        request.body = PluginDTO(
            execution_info=executionInfobody,
            version_description="",
            version="0.0.2",
            description="",
            business_type_display_name="通用",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            runtime_attribution="agent",
            icon_url="",
            unique_id="ab43c83c2ae04000afd039ad894e953b"
        )
        response = client.create_plugin_version(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
```

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreatePluginVersionRequest{
        var innerExecutionInfoExecutionInfo interface{} = "{ \"execution_type\": \"COMPOSITE\", \"steps\":
        [{ \"identifier\": \"16993543666638cda5035-4854-4bc8-a88a-e1465b1bcc7a\", \"variables\":
        { \"OFFICIAL_SHELL_SCRIPT_INPUT\": \"env\" }, \"task\": \"official_shell_plugin\", \"name\": \"执行Shell\" } ] }"
        executionInfoBody := &model.PluginDtoExecutionInfo{
            InnerExecutionInfo: &innerExecutionInfoExecutionInfo,
        }
        versionDescriptionPluginDto := ""
        versionPluginDto := "0.0.2"
        descriptionPluginDto := ""
        businessTypeDisplayNamePluginDto := "通用"
        businessTypePluginDto := "Normal"
        displayNamePluginDto := "apie_test"
        pluginNamePluginDto := "apie_test"
        runtimeAttributionPluginDto := "agent"
        iconUrlPluginDto := ""
        uniqueIdPluginDto := "ab43c83c2ae04000afd039ad894e953b"
        request.Body = &model.PluginDto{
            ExecutionInfo: executionInfoBody,
            VersionDescription: &versionDescriptionPluginDto,
            Version: &versionPluginDto,
            Description: &descriptionPluginDto,
            BusinessTypeDisplayName: &businessTypeDisplayNamePluginDto,
            BusinessType: &businessTypePluginDto,
            DisplayName: &displayNamePluginDto,
            PluginName: &pluginNamePluginDto,
            RuntimeAttribution: &runtimeAttributionPluginDto,
            IconUrl: &iconUrlPluginDto,
            UniqueId: &uniqueIdPluginDto,
        }
    }
    response, err := client.CreatePluginVersion(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
}
```


更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.2 创建插件草稿版本

功能介绍

创建插件草稿版本

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/create-draft

表 4-270 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-271 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-272 请求 Body 参数

参数	是否必选	参数类型	描述
unique_id	否	String	唯一ID
icon_url	否	String	图标URL
runtime_attri bution	是	String	运行属性
plugin_name	是	String	插件名
display_name	是	String	展示名
business_type	是	String	业务类型
business_type _display_nam e	是	String	业务类型展示名
description	是	String	描述
is_private	否	Integer	是否私有
region	否	String	局点
maintainers	否	String	维护者
version	是	String	版本号
version_descri ption	否	String	版本号说明
execution_inf o	是	execution_inf o object	执行信息
input_info	否	Array of input_info objects	输入信息

表 4-273 execution_info

参数	是否必选	参数类型	描述
inner_execution_info	否	Object	执行信息

表 4-274 input_info

参数	是否必选	参数类型	描述
name	否	String	名称
default_value	否	String	默认值
type	否	String	输入类型
validation	否	String	验证
layout_content	否	String	样式信息

响应参数

状态码： 400

表 4-275 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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": "通用",
  "icon_url": "",
  "version": "0.0.1",
  "version_description": "",
  "input_info": [],
  "execution_info": {
    "inner_execution_info": {
      "execution_type": "COMPOSITE",
      "steps": [ {
        "task": "official_shell_plugin",
        "name": "执行Shell",

```

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

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class CreatePluginDraftSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        CreatePluginDraftRequest request = new CreatePluginDraftRequest();
        PluginDTO body = new PluginDTO();
        PluginDTOExecutionInfo executionInfo = new PluginDTOExecutionInfo();
        executionInfo.withInnerExecutionInfo("{\"execution_type\":\"COMPOSITE\", \"steps\": [{ \"identifier\
        \": \"16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb\", \"variables\":\
        { \"OFFICIAL_SHELL_SCRIPT_INPUT\": \"env\" }, \"task\": \"official_shell_plugin\", \"name\": \"执行Shell\" } ]}");
        body.withExecutionInfo(executionInfo);
        body.withVersionDescription("");
        body.withVersion("0.0.1");
        body.withMaintainers("");
    }
}
```

```
body.withDescription("");
body.withBusinessTypeDisplayName("通用");
body.withBusinessType("Normal");
body.withDisplayName("apie_test");
body.withPluginName("apie_test");
body.withRuntimeAttribution("agent");
body.withIconUrl("");
request.withBody(body);
try {
    CreatePluginDraftResponse response = client.createPluginDraft(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePluginDraftRequest()
        executionInfoBody = PluginDTOExecutionInfo(
            inner_execution_info="{\"execution_type\": \"COMPOSITE\", \"steps\": [{\"identifier
\": \"16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb\", \"variables\":
\": {\"OFFICIAL_SHELL_SCRIPT_INPUT\": {\"env\": {}, \"task\": {\"official_shell_plugin\": {\"name\": \"执行Shell\"}}}}"}
        )
        request.body = PluginDTO(
            execution_info=executionInfoBody,
            version_description="",
            version="0.0.1",
            maintainers="",
            description="",
            business_type_display_name="通用",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            runtime_attribution="agent",
```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreatePluginDraftRequest{
        var innerExecutionInfoExecutionInfo interface{} = "{\"execution_type\": \"COMPOSITE\", \"steps\": [
        {\"identifier\": \"16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb\", \"variables\": {
        \"OFFICIAL_SHELL_SCRIPT_INPUT\": \"env\"}, \"task\": \"official_shell_plugin\", \"name\": \"执行Shell\"}]}"
        executionInfoBody := &model.PluginDtoExecutionInfo{
            InnerExecutionInfo: &innerExecutionInfoExecutionInfo,
        }
        versionDescriptionPluginDto := ""
        versionPluginDto := "0.0.1"
        maintainersPluginDto := ""
        descriptionPluginDto := ""
        businessTypeDisplayNamePluginDto := "通用"
        businessTypePluginDto := "Normal"
        displayNamePluginDto := "apie_test"
        pluginNamePluginDto := "apie_test"
        runtimeAttributionPluginDto := "agent"
        iconUrlPluginDto := ""
        request.Body = &model.PluginDto{
            ExecutionInfo: executionInfoBody,
            VersionDescription: &versionDescriptionPluginDto,
            Version: &versionPluginDto,
            Maintainers: &maintainersPluginDto,
            Description: &descriptionPluginDto,
            BusinessTypeDisplayName: &businessTypeDisplayNamePluginDto,
            BusinessType: &businessTypePluginDto,
            DisplayName: &displayNamePluginDto,
            PluginName: &pluginNamePluginDto,
        }
    }
```

```
RuntimeAttribution: &runtimeAttributionPluginDto,  
IconUrl: &iconUrlPluginDto,  
}  
response, err := client.CreatePluginDraft(request)  
if err == nil {  
    fmt.Printf("%+v\n", response)  
} else {  
    fmt.Println(err)  
}  
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.3 创建发布商

功能介绍

创建发布商

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/publisher/create

表 4-276 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-277 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-278 请求 Body 参数

参数	是否必选	参数类型	描述
name	是	String	名称
user_id	否	String	用户ID
description	否	String	描述
logo_url	否	String	图标URL
website	否	String	网页地址
support_url	是	String	地址
source_url	否	String	地址
en_name	是	String	英文名
publisher_unique_id	否	String	唯一ID

响应参数

状态码： 400

表 4-279 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/create
{
  "name": "aaa",
```



```
"en_name" : "aaa",  
"website" : "",  
"support_url" : "aaa@aa.com",  
"source_url" : "",  
"description" : "",  
"logo_url" : ""  
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
public class CreatePublisherSolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))  
            .build();  
        CreatePublisherRequest request = new CreatePublisherRequest();  
        PublisherRequest body = new PublisherRequest();  
        body.withEnName("aaa");  
        body.withSourceUrl("");  
        body.withSupportUrl("aaa@aa.com");  
        body.withWebsite("");  
        body.withLogoUrl("");  
        body.withDescription("");  
        body.withName("aaa");  
        request.withBody(body);  
        try {  
            CreatePublisherResponse response = client.createPublisher(request);  
            System.out.println(response.toString());  
        } catch (ConnectionException e) {
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePublisherRequest()
        request.body = PublisherRequest(
            en_name="aaa",
            source_url="",
            support_url="aaa@aa.com",
            website="",
            logo_url="",
            description="",
            name="aaa"
        )
        response = client.create_publisher(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreatePublisherRequest{
        enNamePublisherRequest:= "aaa"
        sourceUrlPublisherRequest:= ""
        supportUrlPublisherRequest:= "aaa@aa.com"
        websitePublisherRequest:= ""
        logoUrlPublisherRequest:= ""
        descriptionPublisherRequest:= ""
        namePublisherRequest:= "aaa"
        request.Body = &model.PublisherRequest{
            EnName: &enNamePublisherRequest,
            SourceUrl: &sourceUrlPublisherRequest,
            SupportUrl: &supportUrlPublisherRequest,
            Website: &websitePublisherRequest,
            LogoUrl: &logoUrlPublisherRequest,
            Description: &descriptionPublisherRequest,
            Name: &namePublisherRequest,
        }
    }
    response, err := client.CreatePublisher(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.4 更新插件草稿

功能介绍

更新插件草稿

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/edit-draft

表 4-280 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-281 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-282 请求 Body 参数

参数	是否必选	参数类型	描述
unique_id	否	String	唯一ID
icon_url	否	String	图标URL
runtime_attri bution	是	String	运行属性
plugin_name	是	String	插件名
display_name	是	String	展示名

参数	是否必选	参数类型	描述
business_type	是	String	业务类型
business_type_display_name	是	String	业务类型展示名
description	是	String	描述
is_private	否	Integer	是否私有
region	否	String	局点
maintainers	否	String	维护者
version	是	String	版本号
version_description	否	String	版本号说明
execution_info	是	execution_info object	执行信息
input_info	否	Array of input_info objects	输入信息

表 4-283 execution_info

参数	是否必选	参数类型	描述
inner_execution_info	否	Object	执行信息

表 4-284 input_info

参数	是否必选	参数类型	描述
name	否	String	名称
default_value	否	String	默认值
type	否	String	输入类型
validation	否	String	验证
layout_content	否	String	样式信息

响应参数

状态码： 400

表 4-285 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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": "通用",
  "icon_url": "",
  "version": "0.0.1",
  "version_description": "",
  "input_info": [],
  "execution_info": {
    "inner_execution_info": {
      "execution_type": "COMPOSITE",
      "steps": [ {
        "task": "official_shell_plugin",
        "name": "执行Shell",
        "identifier": "16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb",
        "variables": {
          "OFFICIAL_SHELL_SCRIPT_INPUT": "env"
        }
      }
    ]
  }
},
  "runtime_attribution": "agent"
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

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

public class UpdatePluginDraftSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        UpdatePluginDraftRequest request = new UpdatePluginDraftRequest();
        PluginDTO body = new PluginDTO();
        PluginDTOExecutionInfo executionInfo = new PluginDTOExecutionInfo();
        executionInfo.withInnerExecutionInfo("{\"execution_type\":\"COMPOSITE\",\"steps\":[{\"identifier\":"
        + "\"16993543005962cb6e5e8-458a-4382-adfe-9702345ecdcb\",\"variables\":"
        + "{\"OFFICIAL_SHELL_SCRIPT_INPUT\":{\"env\"},\"task\":{\"official_shell_plugin\",\"name\":\"执行Shell\"}}"}]);
        body.withExecutionInfo(executionInfo);
        body.withVersionDescription("");
        body.withVersion("0.0.1");
        body.withMaintainers("");
        body.withDescription("");
        body.withBusinessTypeDisplayName("通用");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withRuntimeAttribution("agent");
        body.withIconUrl("");
        request.withBody(body);
        try {
            UpdatePluginDraftResponse response = client.updatePluginDraft(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
```

```
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UpdatePluginDraftRequest()
        executionInfobody = PluginDTOExecutionInfo(
            inner_execution_info="{\"execution_type\": \"COMPOSITE\", \"steps\": [{\"identifier
\": \"16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb\", \"variables\":
\": {\"OFFICIAL_SHELL_SCRIPT_INPUT\": {\"env\": {\"task\": {\"official_shell_plugin\": {\"name\": \"执行Shell\"}}}}"}
        )
        request.body = PluginDTO(
            execution_info=executionInfobody,
            version_description="",
            version="0.0.1",
            maintainers="",
            description="",
            business_type_display_name="通用",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            runtime_attribution="agent",
            icon_url=""
        )
        response = client.update_plugin_draft(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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



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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.UpdatePluginDraftRequest{
    var innerExecutionInfoExecutionInfo interface{} = "{\"execution_type\":\"COMPOSITE\",\"steps\":
[\"identifier\":\"16993543005962cb6e5e8-458a-4382-adfe-9702345ecddb\",\"variables\":
{\"OFFICIAL_SHELL_SCRIPT_INPUT\":\"env\"},\"task\":\"official_shell_plugin\",\"name\":\"执行Shell\"}]}"
    executionInfobody := &model.PluginDtoExecutionInfo{
        InnerExecutionInfo: &innerExecutionInfoExecutionInfo,
    }
    versionDescriptionPluginDto:= ""
    versionPluginDto:= "0.0.1"
    maintainersPluginDto:= ""
    descriptionPluginDto:= ""
    businessTypeDisplayNamePluginDto:= "通用"
    businessTypePluginDto:= "Normal"
    displayNamePluginDto:= "apie_test"
    pluginNamePluginDto:= "apie_test"
    runtimeAttributionPluginDto:= "agent"
    iconUrlPluginDto:= ""
    request.Body = &model.PluginDto{
        ExecutionInfo: executionInfobody,
        VersionDescription: &versionDescriptionPluginDto,
        Version: &versionPluginDto,
        Maintainers: &maintainersPluginDto,
        Description: &descriptionPluginDto,
        BusinessTypeDisplayName: &businessTypeDisplayNamePluginDto,
        BusinessType: &businessTypePluginDto,
        DisplayName: &displayNamePluginDto,
        PluginName: &pluginNamePluginDto,
        RuntimeAttribution: &runtimeAttributionPluginDto,
        IconUrl: &iconUrlPluginDto,
    }
    response, err := client.UpdatePluginDraft(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized

状态码	描述
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.5 发布插件草稿

功能介绍

发布插件草稿

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/publish-draft

表 4-286 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-287 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-288 请求 Body 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名

参数	是否必选	参数类型	描述
display_name	是	String	展示名
version	是	String	版本号
plugin_attribution	是	String	插件属性,custom/official
version_attribution	否	String	版本属性,draft/formal

响应参数

状态码： 400

表 4-289 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/agent-plugin/publish-draft

```
{
  "plugin_name": "testteset",
  "display_name": "testteset",
  "version": "0.0.1",
  "plugin_attribution": "custom"
}
```

响应示例

状态码： 200

是否调用成功

true

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden

状态码	描述
404	Not Found

错误码

请参见[错误码](#)。

4.7.6 更新插件基本信息

功能介绍

更新插件基本信息

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/update-info

表 4-290 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-291 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-292 请求 Body 参数

参数	是否必选	参数类型	描述
unique_id	否	String	唯一ID
icon_url	否	String	图标URL

参数	是否必选	参数类型	描述
runtime_attri bution	否	String	运行属性
plugin_name	是	String	插件名
display_name	是	String	展示名
business_type	是	String	业务类型
business_type _display_nam e	是	String	业务类型展示名
description	否	String	描述
is_private	否	Integer	是否私有
region	否	String	局点
maintainers	否	String	维护者
plugin_compo sition_type	否	String	组合插件类型

响应参数

状态码： 400

表 4-293 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
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": "通用",
  "icon_url": ""
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class UpdatePluginBaseInfoSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        UpdatePluginBaseInfoRequest request = new UpdatePluginBaseInfoRequest();
        PluginBasicDTO body = new PluginBasicDTO();
        body.withMaintainers("");
        body.withDescription("1111");
        body.withBusinessTypeDisplayName("通用");
        body.withBusinessType("Normal");
        body.withDisplayName("apie_test");
        body.withPluginName("apie_test");
        body.withIconUrl("");
        request.withBody(body);
        try {
            UpdatePluginBaseInfoResponse response = client.updatePluginBaseInfo(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UpdatePluginBaseInfoRequest()
        request.body = PluginBasicDTO(
            maintainers="",
            description="1111",
            business_type_display_name="通用",
            business_type="Normal",
            display_name="apie_test",
            plugin_name="apie_test",
            icon_url=""
        )
        response = client.update_plugin_base_info(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

```
Build()

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.UpdatePluginBaseInfoRequest{
    maintainersPluginBasicDto:= ""
    descriptionPluginBasicDto:= "1111"
    businessTypeDisplayNamePluginBasicDto:= "通用"
    businessTypePluginBasicDto:= "Normal"
    displayNamePluginBasicDto:= "apie_test"
    pluginNamePluginBasicDto:= "apie_test"
    iconUrlPluginBasicDto:= ""
    request.Body = &model.PluginBasicDto{
        Maintainers: &maintainersPluginBasicDto,
        Description: &descriptionPluginBasicDto,
        BusinessTypeDisplayName: &businessTypeDisplayNamePluginBasicDto,
        BusinessType: &businessTypePluginBasicDto,
        DisplayName: &displayNamePluginBasicDto,
        PluginName: &pluginNamePluginBasicDto,
        IconUrl: &iconUrlPluginBasicDto,
    }
}
response, err := client.UpdatePluginBaseInfo(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.7 发布插件

功能介绍

发布插件

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/publish-plugin

表 4-294 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-295 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-296 请求 Body 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
version	是	String	版本
publisher_unique_id	是	String	发布商ID

响应参数

状态码： 400

表 4-297 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

```
{
  "plugin_name": "basic_plugin",
  "version": "0.0.1",
  "publisher_unique_id": "b9fc8fb6d9194536ac66dd74c2212126"
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class PublishPluginSolution {

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

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

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

```
PublishPluginRequest request = new PublishPluginRequest();
PublishPluginDTO body = new PublishPluginDTO();
body.withPublisherUniqueId("b9fc8fb6d9194536ac66dd74c2212126");
body.withVersion("0.0.1");
body.withPluginName("basic_plugin");
request.withBody(body);
try {
    PublishPluginResponse response = client.publishPlugin(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = PublishPluginRequest()
        request.body = PublishPluginDTO(
            publisher_unique_id="b9fc8fb6d9194536ac66dd74c2212126",
            version="0.0.1",
            plugin_name="basic_plugin"
        )
        response = client.publish_plugin(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
```

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.PublishPluginRequest{
        publisherUniqueIdPublishPluginDto:= "b9fc8fb6d9194536ac66dd74c2212126"
        versionPublishPluginDto:= "0.0.1"
        pluginNamePublishPluginDto:= "basic_plugin"
        request.Body = &model.PublishPluginDto{
            PublisherUniqueId: &publisherUniqueIdPublishPluginDto,
            Version: &versionPublishPluginDto,
            PluginName: &pluginNamePublishPluginDto,
        }
    }
    response, err := client.PublishPlugin(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.8 插件绑定发布商

功能介绍

插件绑定发布商

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/publish-plugin-bind

表 4-298 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-299 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-300 请求 Body 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
version	是	String	版本
publisher_unique_id	是	String	发布商ID

响应参数

状态码： 400

表 4-301 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class PublishPluginBindSolution {

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

        ICredential auth = new BasicCredentials()
            .withAk(ak)
```

```
        .withSk(sk);

CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
    .build();
PublishPluginBindRequest request = new PublishPluginBindRequest();
PublishPluginDTO body = new PublishPluginDTO();
body.withPublisherUniqueId("b9fc8fb6d9194536ac66dd74c2212126");
body.withVersion("");
body.withPluginName("basic_plugin");
request.withBody(body);
try {
    PublishPluginBindResponse response = client.publishPluginBind(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = PublishPluginBindRequest()
        request.body = PublishPluginDTO(
            publisher_unique_id="b9fc8fb6d9194536ac66dd74c2212126",
            version="",
            plugin_name="basic_plugin"
        )
        response = client.publish_plugin_bind(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.PublishPluginBindRequest{
        publisherUniqueIdPublishPluginDto:= "b9fc8fb6d9194536ac66dd74c2212126"
        versionPublishPluginDto:= ""
        pluginNamePublishPluginDto:= "basic_plugin"
        request.Body = &model.PublishPluginDto{
            PublisherUniqueId: &publisherUniqueIdPublishPluginDto,
            Version: &versionPublishPluginDto,
            PluginName: &pluginNamePublishPluginDto,
        }
    }
    response, err := client.PublishPluginBind(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden

状态码	描述
404	Not Found

错误码

请参见[错误码](#)。

4.7.9 更新插件图标

功能介绍

更新插件图标

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/common/upload-plugin-icon

表 4-302 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-303 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名

请求参数

表 4-304 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-305 FormData 参数

参数	是否必选	参数类型	描述
upload_file	是	File	图标文件

响应参数

状态码： 400

表 4-306 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

图标路径

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class UploadPluginIconSolution {

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

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

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

CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
    .build();
UploadPluginIconRequest request = new UploadPluginIconRequest();
request.withPluginName("<plugin_name>");
try {
    UploadPluginIconResponse response = client.uploadPluginIcon(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UploadPluginIconRequest()
        request.plugin_name = "<plugin_name>"
        response = client.upload_plugin_icon(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UploadPluginIconRequest{}
    pluginNameRequest := "<plugin_name>"
    request.PluginName = &pluginNameRequest
    response, err := client.UploadPluginIcon(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	图标路径
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.10 更新发布商图标

功能介绍

更新发布商图标

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/common/upload-publisher-icon

表 4-307 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-308 Query 参数

参数	是否必选	参数类型	描述
publisher_en_name	是	String	发布商名称

请求参数

表 4-309 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-310 FormData 参数

参数	是否必选	参数类型	描述
upload_file	是	File	图标文件

响应参数

状态码： 400

表 4-311 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

图标访问路径

```
/api/v1/ce8df55870164338a72d7e828a966a2a/common/get-plugin-icon?object_key=default-82960e8  
ecd194e07bcb5e4e660b7439f-2023-08-03141751.png-  
ce8df55870164338a72d7e828a966a2a&icon_type=publish
```

状态码

状态码	描述
200	图标访问路径
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.11 删除插件草稿

功能介绍

删除插件草稿

调用方法

请参见[如何调用API](#)。

URI

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

表 4-312 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-313 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
version	是	String	版本

请求参数

表 4-314 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 400

表 4-315 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class DeletePluginDraftSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        DeletePluginDraftRequest request = new DeletePluginDraftRequest();
        request.withPluginName("<plugin_name>");
        request.withVersion("<version>");
        try {
            DeletePluginDraftResponse response = client.deletePluginDraft(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```



```
}  
}
```

Python

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

Go

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

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

request := &model.DeletePluginDraftRequest{
pluginNameRequest:= "<plugin_name>"
request.PluginName = &pluginNameRequest
versionRequest:= "<version>"
request.Version = &versionRequest
response, err := client.DeletePluginDraft(request)
if err == nil {
fmt.Printf("%+v\n", response)
} else {
fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.12 查询发布商列表

功能介绍

查询发布商列表

调用方法

请参见[如何调用API](#)。

URI

GET /v1/{domain_id}/publisher/query-all

表 4-316 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-317 Query 参数

参数	是否必选	参数类型	描述
offset	是	String	偏移
limit	是	String	大小
name	否	String	发布商名称

请求参数

表 4-318 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-319 响应 Body 参数

参数	参数类型	描述
offset	Integer	查询偏移量
limit	Integer	每次查询的条目数量
total	Long	查询总数
data	Array of PublisherVO objects	数据列表

表 4-320 PublisherVO

参数	参数类型	描述
publisher_unique_id	String	发布商ID
user_id	String	用户ID
tenant_id	String	租户ID
description	String	描述
logo_url	String	图标URL
website	String	网页地址
support_url	String	地址
source_url	String	地址
en_name	String	英文名
name	String	名称
auth_status	String	授权状态
is_delete	Integer	是否删除
last_update_user_name	String	最后更新人
last_update_user_id	String	最后更新人ID
last_update_time	String	最后更新时间

状态码： 400

表 4-321 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200


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

public class ListPublisherSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListPublisherRequest request = new ListPublisherRequest();
        request.withOffset("<offset>");
        request.withLimit("<limit>");
        request.withName("<name>");
        try {
            ListPublisherResponse response = client.listPublisher(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

```
credentials = BasicCredentials(ak, sk)

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

try:
    request = ListPublisherRequest()
    request.offset = "<offset>"
    request.limit = "<limit>"
    request.name = "<name>"
    response = client.list_publisher(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListPublisherRequest{}
    offsetRequest := "<offset>"
    request.Offset = &offsetRequest
    limitRequest := "<limit>"
    request.Limit = &limitRequest
    nameRequest := "<name>"
    request.Name = &nameRequest
    response, err := client.ListPublisher(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.13 查询可用发布商

功能介绍

查询可用发布商

调用方法

请参见[如何调用API](#)。

URI

GET /v1/{domain_id}/publisher/optional-publisher

表 4-322 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-323 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-324 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PublisherVO objects	OK

表 4-325 PublisherVO

参数	参数类型	描述
publisher_unique_id	String	发布商ID
user_id	String	用户ID
tenant_id	String	租户ID
description	String	描述
logo_url	String	图标URL
website	String	网页地址
support_url	String	地址
source_url	String	地址
en_name	String	英文名
name	String	名称
auth_status	String	授权状态
is_delete	Integer	是否删除

Java

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

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

public class ListAvailablePublisherSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListAvailablePublisherRequest request = new ListAvailablePublisherRequest();
        try {
            ListAvailablePublisherResponse response = client.listAvailablePublisher(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

```
credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.14 查询可选插件列表

功能介绍

查询可选插件列表

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/relation/stage-plugins

表 4-327 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-328 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-329 请求 Body 参数

参数	是否必选	参数类型	描述
use_condition	否	String	用于区分插件为流水线可使用/ 模板可使用
comp_id	否	String	微服务ID
comp_name	否	String	微服务名
cloud_id	否	String	局点ID
strategy_id	否	String	策略ID
category	否	String	流水线类型
publish_tab	否	String	是否发布流水线
platform	否	String	部署平台
comp_extend_type	否	String	组件类型
deploy_type	否	String	部署类型

响应参数

状态码： 200

表 4-330 响应 Body 参数

参数	参数类型	描述
full_stage_plugins_item_list	Array of full_stage_plugins_item_list objects	结果集

表 4-331 full_stage_plugins_item_list

参数	参数类型	描述
plugins_list	Array of plugins_list objects	插件列表
display_name	String	展示名
business_type	String	业务类型
unique_id	String	唯一ID

参数	参数类型	描述
conditions	Array of strings	条件
addables	Array of addables objects	额外属性
editable	Boolean	是否可编辑
removable	Boolean	是否可移除
cloneable	Boolean	是否可复制
disabled	Boolean	禁用

表 4-332 plugins_list

参数	参数类型	描述
unique_id	String	唯一ID
display_name	String	展示名
plugin_name	String	插件名
disabled	Boolean	禁用
group_name	String	组名
group_type	String	组类型
plugin_attribution	String	插件属性
plugin_composition_type	String	组合插件
runtime_attribution	String	运行属性
all_steps	Array of all_steps objects	基础插件列表
description	String	描述
version_attribution	String	版本属性
icon_url	String	图标URL
multi_step_editable	Integer	是否可编辑
standard	Boolean	标准

表 4-333 all_steps

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
version	String	版本

表 4-334 addables

参数	参数类型	描述
additionalProp1	Boolean	额外属性1
additionalProp2	Boolean	额外属性2
additionalProp3	Boolean	额外属性3

状态码： 400

表 4-335 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 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-构建.png-ce8df55870164338a72d7e828a966a2a",
"multi_step_editable": 0,
"standard": true
}],
"display_name": "构建",
"business_type": "Build",
"unique_id": "f44ca008-ae9b-45ee-905d-711429382c71",
"conditions": null,
"addables": null,
"editable": false,
"removable": false,
"cloneable": false,
"disabled": false
}]
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListStagePluginsSolution {

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

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

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

```
        .build();
        ListStagePluginsRequest request = new ListStagePluginsRequest();
        StagePluginsQueryDTO body = new StagePluginsQueryDTO();
        body.withUseCondition("pipeline");
        request.withBody(body);
        try {
            ListStagePluginsResponse response = client.listStagePlugins(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListStagePluginsRequest()
        request.body = StagePluginsQueryDTO(
            use_condition="pipeline"
        )
        response = client.list_stage_plugins(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListStagePluginsRequest{}
    useConditionStagePluginsQueryDto := "pipeline"
    request.Body = &model.StagePluginsQueryDto{
        UseCondition: &useConditionStagePluginsQueryDto,
    }
    response, err := client.ListStagePlugins(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.15 查询基础插件列表

功能介绍

查询基础插件列表

调用方法

请参见[如何调用API](#)。

URI

GET /v1/{domain_id}/relation/plugin/single

表 4-336 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-337 Query 参数

参数	是否必选	参数类型	描述
attribution	是	String	插件属性,可选official、published
offset	是	String	偏移
limit	是	String	大小

请求参数

表 4-338 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-339 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移
limit	Integer	大小
total	Integer	总数
data	Array of data objects	结果集

表 4-340 data

参数	参数类型	描述
name	String	名称
display_name	String	展示名
plugin_attribution	String	属性
icon_url	String	图标URL
description	String	描述
publisher_id	String	发布商ID
manifest_version	String	版本

状态码： 400

表 4-341 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 3,
  "data" : [ {
    "name" : "official_shell_plugin",
    "display_name" : "执行Shell",
    "plugin_attribution" : "official",
    "icon_url" : "",
    "description" : "用于执行用户Shell命令",
    "publisher_id" : null,
    "manifest_version" : "3"
  }, {
    "name" : "test_plugin_230725",
    "display_name" : "测试新版插件流程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" : "这里是描述",
    "publisher_id" : null,
    "manifest_version" : "3"
  }, {
    "name" : "official_git_clone",
    "display_name" : "official_git_clone",
    "plugin_attribution" : "official",
    "icon_url" : "",
    "description" : "下载流水线源中配置的代码库。",
    "publisher_id" : null,
    "manifest_version" : null
  } ]
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListBasePluginsSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
```

```
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
ListBasePluginsRequest request = new ListBasePluginsRequest();
request.withAttribution("<attribution>");
request.withOffset("<offset>");
request.withLimit("<limit>");
try {
    ListBasePluginsResponse response = client.listBasePlugins(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListBasePluginsRequest()
        request.attribution = "<attribution>"
        request.offset = "<offset>"
        request.limit = "<limit>"
        response = client.list_base_plugins(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

import (
    "fmt"
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"
```

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListBasePluginsRequest{}
    attributionRequest := "<attribution>"
    request.Attribution = &attributionRequest
    offsetRequest := "<offset>"
    request.Offset = &offsetRequest
    limitRequest := "<limit>"
    request.Limit = &limitRequest
    response, err := client.ListBasePlugins(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.16 分页查询可选插件列表

功能介绍

分页查询可选插件列表

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/relation/plugins

表 4-342 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-343 Query 参数

参数	是否必选	参数类型	描述
offset	是	Integer	偏移
limit	是	Integer	大小

请求参数

表 4-344 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-345 请求 Body 参数

参数	是否必选	参数类型	描述
use_condition	否	String	用于区分插件为流水线可使用/ 模板可使用，可选pipeline/ template

参数	是否必选	参数类型	描述
input_repo_type	否	String	用于区分源的代码仓类型 codehub/gitlab/github等
input_source_type	否	String	用于区分单源/多源的情况
business_type	否	String	业务类型
regex_name	否	String	名称

响应参数

状态码： 200

表 4-346 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移
limit	Integer	大小
total	Integer	总数
data	Array of data objects	结果集

表 4-347 data

参数	参数类型	描述
business_type	String	业务类型
display_name	String	展示名
unique_id	String	唯一ID
editable	Boolean	可编辑
removable	Boolean	可移除
cloneable	Boolean	可复制
disabled	Boolean	禁用
conditions	Array of strings	条件
plugins_list	Array of plugins_list objects	插件列表

表 4-348 plugins_list

参数	参数类型	描述
unique_id	String	唯一ID
display_name	String	展示名
plugin_name	String	插件名
disabled	Boolean	禁用
group_name	String	组名
group_type	String	组类型
plugin_attribution	String	属性
plugin_composition_type	String	组合插件
runtime_attribution	String	运行属性
all_steps	Array of all_steps objects	基础插件列表
description	String	描述
version_attribution	String	版本属性
icon_url	String	图标URL
multi_step_editable	Integer	可编辑
location	String	地址
publisher_unique_id	String	发布商ID
manifest_version	String	版本

表 4-349 all_steps

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
version	String	版本

状态码： 400

表 4-350 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
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": ""
}
```

响应示例

状态码： 200

OK

```
{
  "offset": 0,
  "limit": 4,
  "total": 246,
  "data": {
    "plugins_list": [ {
      "unique_id": "1bfe2cd6b6f44fe3a918768e0391144f",
      "display_name": "1030测试",
      "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": "插件发布",
      "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" : "插件创建测试",
"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" : "插件版本描述测试",
"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" : "插件版本描述测试",
"version_attribution" : "formal",
"icon_url" : "",
"multi_step_editable" : 1,
"location" : "pipeline,service",
"publisher_unique_id" : null,
"manifest_version" : "3"
} ],
"display_name" : "代码检查",
"business_type" : "Gate",
"unique_id" : "032ad7e2-5e19-4e90-8517-0958deb89e12",
"conditions" : null,
"editable" : false,
"removable" : false,
"cloneable" : false,
"disabled" : false
}
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class ListBasePluginsNewPostSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListBasePluginsNewPostRequest request = new ListBasePluginsNewPostRequest();
        request.withOffset(<offset>);
        request.withLimit(<limit>);
        BusinessTypePluginsQueryDTO body = new BusinessTypePluginsQueryDTO();
        body.withRegexName("");
        body.withBusinessType("");
        body.withInputSourceType("single");
        body.withInputRepoType("codehub");
        body.withUseCondition("pipeline");
        request.withBody(body);
        try {
            ListBasePluginsNewPostResponse response = client.listBasePluginsNewPost(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)
```

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

try:
    request = ListBasePluginsNewPostRequest()
    request.offset = <offset>
    request.limit = <limit>
    request.body = BusinessTypePluginsQueryDTO(
        regex_name="",
        business_type="",
        input_source_type="single",
        input_repo_type="codehub",
        use_condition="pipeline"
    )
    response = client.list_base_plugins_new_post(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListBasePluginsNewPostRequest{}
    request.Offset = int32(<offset>)
    request.Limit = int32(<limit>)
    regexNameBusinessTypePluginsQueryDto := ""
    businessTypeBusinessTypePluginsQueryDto := ""
    inputSourceTypeBusinessTypePluginsQueryDto := "single"
    inputRepoTypeBusinessTypePluginsQueryDto := "codehub"
    useConditionBusinessTypePluginsQueryDto := "pipeline"
    request.Body = &model.BusinessTypePluginsQueryDto{
        RegexName: &regexNameBusinessTypePluginsQueryDto,
        BusinessType: &businessTypeBusinessTypePluginsQueryDto,
        InputSourceType: &inputSourceTypeBusinessTypePluginsQueryDto,
```

```
InputRepoType: &inputRepoTypeBusinessTypePluginsQueryDto,
UseCondition: &useConditionBusinessTypePluginsQueryDto,
}
response, err := client.ListBasePluginsNewPost(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.17 查询插件列表

功能介绍

查询插件列表

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/query-all

表 4-351 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-352 Query 参数

参数	是否必选	参数类型	描述
offset	是	String	偏移
limit	是	String	大小

请求参数

表 4-353 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-354 请求 Body 参数

参数	是否必选	参数类型	描述
plugin_name	否	String	可选的查询条件-插件名
regex_name	否	String	可选的查询条件-匹配名称
maintainer	否	String	维护者
business_type	否	Array of strings	业务类型, [Build,Gate,Deploy,Test,Normal]
plugin_attri- bution	否	String	插件属性, official/custom

响应参数

状态码： 200

表 4-355 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移
limit	Integer	大小
total	Integer	总数

参数	参数类型	描述
data	Array of PluginBasicVO objects	结果集

表 4-356 PluginBasicVO

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
version	String	版本
version_description	String	版本说明
description	String	描述
version_attribution	String	版本属性
unique_id	String	唯一ID
op_user	String	操作人
op_time	String	操作时间
plugin_composition_type	String	组合类型
plugin_attribution	String	属性
workspace_id	String	租户ID
business_type	String	业务类型
business_type_display_name	String	业务类型展示名
maintainers	String	维护者
icon_url	String	图标URL
refer_count	Integer	引用次数
usage_count	Integer	使用次数
runtime_attribution	String	运行属性
active	Integer	是否激活

状态码： 400**表 4-357 响应 Body 参数**

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
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"
}
```

响应示例

状态码： 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" : "通用",
    "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": "通用",
"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": "代码检查",
"maintainers": "",
"icon_url": "",
"refer_count": null,
"usage_count": null,
"runtime_attribution": "agent",
"active": 1
}
}]
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class ListPluginsSolution {

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

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

```
CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
    .build();
ListPluginsRequest request = new ListPluginsRequest();
request.withOffset("<offset>");
request.withLimit("<limit>");
AgentPluginInfoQueryDTO body = new AgentPluginInfoQueryDTO();
List<String> listbodyBusinessType = new ArrayList<>();
listbodyBusinessType.add("Build");
listbodyBusinessType.add("Gate");
listbodyBusinessType.add("Deploy");
listbodyBusinessType.add("Test");
listbodyBusinessType.add("Normal");
body.withPluginAttribution("custom");
body.withBusinessType(listbodyBusinessType);
body.withMaintainer("");
body.withPluginName("");
request.withBody(body);
try {
    ListPluginsResponse response = client.listPlugins(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListPluginsRequest()
        request.offset = "<offset>"
        request.limit = "<limit>"
        listBusinessTypebody = [
            "Build",
            "Gate",
```

```
        "Deploy",
        "Test",
        "Normal"
    ]
    request.body = AgentPluginInfoQueryDTO(
        plugin_attribution="custom",
        business_type=listBusinessTypebody,
        maintainer="",
        plugin_name=""
    )
    response = client.list_plugins(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListPluginsRequest{}
    offsetRequest := "<offset>"
    request.Offset = &offsetRequest
    limitRequest := "<limit>"
    request.Limit = &limitRequest
    var listBusinessTypebody = []string{
        "Build",
        "Gate",
        "Deploy",
        "Test",
        "Normal",
    }
    pluginAttributionAgentPluginInfoQueryDto := "custom"
    maintainerAgentPluginInfoQueryDto := ""
    pluginNameAgentPluginInfoQueryDto := ""
    request.Body = &model.AgentPluginInfoQueryDto{
        PluginAttribution: &pluginAttributionAgentPluginInfoQueryDto,
        BusinessType: &listBusinessTypebody,
        Maintainer: &maintainerAgentPluginInfoQueryDto,
    }
}
```

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.18 查询插件指标配置

功能介绍

查询插件指标配置

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/plugin-metrics

表 4-358 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-359 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-360 请求 Body 参数

参数	是否必选	参数类型	描述
[数组元素]	否	Array of PluginPartQueryDTO objects	查询请求体

表 4-361 PluginPartQueryDTO

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
display_name	是	String	展示名
version	是	String	版本号
plugin_attri- bution	是	String	插件属性,custom/official
version_attri- bution	否	String	版本属性,draft/formal

响应参数

状态码： 200

表 4-362 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PluginPartQueryVOListAgentPluginOutputVO objects	OK

表 4-363 PluginPartQueryVOListAgentPluginOutputVO

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
data	Array of data objects	结果集

表 4-364 data

参数	参数类型	描述
unique_id	String	唯一ID
plugin_name	String	插件名
version	String	版本
workspace_id	String	租户ID
output_key	String	名称
output_value	String	值

状态码： 400

表 4-365 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

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

响应示例

状态码： 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": "中文", "properties": [{"key": "test", "value": "111"}, {"desc": "中文"}]}]"
  } ]
} ]
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class ShowPluginMetricsSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
```

```
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
ShowPluginMetricsRequest request = new ShowPluginMetricsRequest();
List<PluginPartQueryDTO> listbodyBody = new ArrayList<>();
listbodyBody.add(
    new PluginPartQueryDTO()
        .withPluginName("test_multi_language")
        .withVersion("0.0.11")
        .withPluginAttribution("official")
);
request.withBody(listbodyBody);
try {
    ShowPluginMetricsResponse response = client.showPluginMetrics(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.valueOf("<YOUR REGION>")) \
        .build()

    try:
        request = ShowPluginMetricsRequest()
        listbodybody = [
            PluginPartQueryDTO(
                plugin_name="test_multi_language",
                version="0.0.11",
                plugin_attribution="official"
            )
        ]
        request.body = listbodybody
        response = client.show_plugin_metrics(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowPluginMetricsRequest{}
    pluginNameBody := "test_multi_language"
    versionBody := "0.0.11"
    pluginAttributionBody := "official"
    var listBodybody = []model.PluginPartQueryDto{
        {
            PluginName: &pluginNameBody,
            Version: &versionBody,
            PluginAttribution: &pluginAttributionBody,
        },
    }
    request.Body = &listBodybody
    response, err := client.ShowPluginMetrics(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK

状态码	描述
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.19 查询插件输入配置

功能介绍

查询插件输入配置

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/plugin-input

表 4-366 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-367 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-368 请求 Body 参数

参数	是否必选	参数类型	描述
[数组元素]	否	Array of PluginPartQueryDTO objects	查询请求体

表 4-369 PluginPartQueryDTO

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
display_name	是	String	展示名
version	是	String	版本号
plugin_attri- bution	是	String	插件属性,custom/official
version_attri- bution	否	String	版本属性,draft/formal

响应参数

状态码： 200

表 4-370 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PluginPartQueryVOListAgentPluginInputVO objects	OK

表 4-371 PluginPartQueryVOListAgentPluginInputVO

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
data	Array of data objects	结果集

表 4-372 data

参数	参数类型	描述
unique_id	String	唯一ID
name	String	名称
default_value	String	默认值
plugin_name	String	插件名
version	String	版本
type	String	类型
workspace_id	String	租户ID
validation	ExtensionValidation object	验证
layout_content	String	样式信息

表 4-373 ExtensionValidation

参数	参数类型	描述
required_message	String	消息
regex	String	正则
regex_message	String	正则消息
max_length	Integer	最大长度
min_length	Integer	最小长度

状态码： 400

表 4-374 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

```
[ {
  "plugin_name": "official_shell_plugin",
  "display_name": "执行Shell",
  "version": "0.0.2",
  "plugin_attribution": "official",
  "version_attribution": "formal"
}]
```

响应示例

状态码: 200

OK

```
[ {
  "plugin_name": "official_shell_plugin",
  "display_name": "执行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命令",
    "description": "用户在此处输入Shell命令",
    "required": "true",
    "extend_prop": {
      "api_options": null,
      "api_type": null,
      "options": null,
      "disabled_conditions": null,
      "visible_conditions": null
    },
    "validation": {
      "required_message": null,
      "regex": null,
      "regex_message": null,
      "max_length": null,
      "min_length": null
    }
  }
  ]
}]
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

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



```
public class ShowPluginInputsSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPluginInputsRequest request = new ShowPluginInputsRequest();
        List<PluginPartQueryDTO> listbodyBody = new ArrayList<>();
        listbodyBody.add(
            new PluginPartQueryDTO()
                .withPluginName("official_shell_plugin")
                .withDisplayName("执行Shell")
                .withVersion("0.0.2")
                .withPluginAttribution("official")
                .withVersionAttribution("formal")
        );
        request.withBody(listbodyBody);
        try {
            ShowPluginInputsResponse response = client.showPluginInputs(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsPipelineClient.new_builder() \
```

```
.with_credentials(credentials) \  
.with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \  
.build()  
  
try:  
    request = ShowPluginInputsRequest()  
    listBodybody = [  
        PluginPartQueryDTO(  
            plugin_name="official_shell_plugin",  
            display_name="执行Shell",  
            version="0.0.2",  
            plugin_attribution="official",  
            version_attribution="formal"  
        )  
    ]  
    request.body = listBodybody  
    response = client.show_plugin_inputs(request)  
    print(response)  
except exceptions.ClientRequestException as e:  
    print(e.status_code)  
    print(e.request_id)  
    print(e.error_code)  
    print(e.error_msg)
```

Go

```
package main  
  
import (  
    "fmt"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/core/auth/basic"  
    codeartspipeline "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2"  
    "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/model"  
    region "github.com/huaweicloud/huaweicloud-sdk-go-v3/services/codeartspipeline/v2/region"  
)  
  
func main() {  
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    // risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    // variables and decrypted during use to ensure security.  
    // In this example, AK and SK are stored in environment variables for authentication. Before running this  
    // example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak := os.Getenv("CLOUD_SDK_AK")  
    sk := os.Getenv("CLOUD_SDK_SK")  
  
    auth := basic.NewCredentialsBuilder().  
        WithAk(ak).  
        WithSk(sk).  
        Build()  
  
    client := codeartspipeline.NewCodeArtsPipelineClient(  
        codeartspipeline.CodeArtsPipelineClientBuilder().  
            WithRegion(region.ValueOf("<YOUR REGION>")).  
            WithCredential(auth).  
            Build())  
  
    request := &model.ShowPluginInputsRequest{  
        pluginNameBody:= "official_shell_plugin"  
        displayNameBody:= "执行Shell"  
        versionBody:= "0.0.2"  
        pluginAttributionBody:= "official"  
        versionAttributionBody:= "formal"  
        var listBodybody = []model.PluginPartQueryDto{  
            {  
                PluginName: &pluginNameBody,  
                DisplayName: &displayNameBody,  
                Version: &versionBody,  
                PluginAttribution: &pluginAttributionBody,  
                VersionAttribution: &versionAttributionBody,  
            }  
        }  
    }  
}
```

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.20 查询插件输出配置

功能介绍

查询插件输出配置

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/agent-plugin/plugin-output

表 4-375 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-376 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-377 请求 Body 参数

参数	是否必选	参数类型	描述
[数组元素]	否	Array of PluginPartQueryDTO objects	查询请求体

表 4-378 PluginPartQueryDTO

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
display_name	是	String	展示名
version	是	String	版本号
plugin_attri bution	是	String	插件属性,custom/official
version_attri bution	否	String	版本属性,draft/formal

响应参数

状态码： 200

表 4-379 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PluginPartQueryVOListAgentPluginOutputVO objects	OK

表 4-380 PluginPartQueryVOListAgentPluginOutputVO

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
data	Array of data objects	结果集

表 4-381 data

参数	参数类型	描述
unique_id	String	唯一ID
plugin_name	String	插件名
version	String	版本
workspace_id	String	租户ID
output_key	String	名称
output_value	String	值

状态码： 400

表 4-382 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

[ {
  "plugin_name" : "official_shell_plugin",
  "display_name" : "",
  "plugin_attribution" : "official",
  "version_attribution" : "formal"
} ]
```

响应示例

状态码: 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

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

public class ShowPluginOutputsSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPluginOutputsRequest request = new ShowPluginOutputsRequest();
        List<PluginPartQueryDTO> listbodyBody = new ArrayList<>();
        listbodyBody.add(
            new PluginPartQueryDTO()
                .withPluginName("official_shell_plugin")
        );
    }
}
```

```
        .withDisplayName("")
        .withPluginAttribution("official")
        .withVersionAttribution("formal")
    );
    request.withBody(listbodyBody);
    try {
        ShowPluginOutputsResponse response = client.showPluginOutputs(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ShowPluginOutputsRequest()
        listBodybody = [
            PluginPartQueryDTO(
                plugin_name="official_shell_plugin",
                display_name="",
                plugin_attribution="official",
                version_attribution="formal"
            )
        ]
        request.body = listBodybody
        response = client.show_plugin_outputs(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowPluginOutputsRequest{
        pluginNameBody:= "official_shell_plugin"
        displayNameBody:= ""
        pluginAttributionBody:= "official"
        versionAttributionBody:= "formal"
        var listBodybody = []model.PluginPartQueryDto{
            {
                PluginName: &pluginNameBody,
                DisplayName: &displayNameBody,
                PluginAttribution: &pluginAttributionBody,
                VersionAttribution: &versionAttributionBody,
            },
        }
        request.Body = &listBodybody
        response, err := client.ShowPluginOutputs(request)
        if err == nil {
            fmt.Printf("%+v\n", response)
        } else {
            fmt.Println(err)
        }
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request

状态码	描述
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.21 查询插件所有版本信息

功能介绍

查询插件所有版本信息

调用方法

请参见[如何调用API](#)。

URI

GET /v1/{domain_id}/agent-plugin/query

表 4-383 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-384 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
offset	是	String	偏移
limit	是	String	大小

请求参数

表 4-385 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-386 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移
limit	Integer	大小
total	Integer	总数
data	Array of PluginBasicVO objects	结果集

表 4-387 PluginBasicVO

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
version	String	版本
version_description	String	版本说明
description	String	描述
version_attribution	String	版本属性
unique_id	String	唯一ID
op_user	String	操作人
op_time	String	操作时间

参数	参数类型	描述
plugin_composition_type	String	组合类型
plugin_attribution	String	属性
workspace_id	String	租户ID
business_type	String	业务类型
business_type_display_name	String	业务类型展示名
maintainers	String	维护者
icon_url	String	图标URL
refer_count	Integer	引用次数
usage_count	Integer	使用次数
runtime_attribution	String	运行属性
active	Integer	是否激活

状态码： 400

表 4-388 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 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": "通用",
"maintainers": "[\"847a5317086c41798469d0868535943a\"]",
"icon_url": "",
"refer_count": null,
"usage_count": null,
"runtime_attribution": "agent",
"active": 1
}]
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListPLuginVersionSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListPLuginVersionRequest request = new ListPLuginVersionRequest();
        request.withPluginName("<plugin_name>");
        request.withOffset("<offset>");
        request.withLimit("<limit>");
        try {
            ListPLuginVersionResponse response = client.listPLuginVersion(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListPluginVersionRequest()
        request.plugin_name = "<plugin_name>"
        request.offset = "<offset>"
        request.limit = "<limit>"
        response = client.list_plugin_version(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

```
ak := os.Getenv("CLOUD_SDK_AK")
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ListPLuginVersionRequest{}
pluginNameRequest := "<plugin_name>"
request.PluginName = &pluginNameRequest
offsetRequest := "<offset>"
request.Offset = &offsetRequest
limitRequest := "<limit>"
request.Limit = &limitRequest
response, err := client.ListPLuginVersion(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.22 查询插件版本详情

功能介绍

查询插件版本详情

调用方法

请参见[如何调用API](#)。

URI

GET /v1/{domain_id}/agent-plugin/detail

表 4-389 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-390 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
version	否	String	版本

请求参数

表 4-391 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-392 响应 Body 参数

参数	参数类型	描述
plugin_name	String	插件名
display_name	String	展示名
op_user	String	操作人
op_time	String	操作时间

参数	参数类型	描述
version	String	版本
unique_id	String	唯一ID
version_description	String	版本说明
version_attribute	String	版本属性
plugin_composition_type	String	组合插件类型
plugin_attribute	String	插件属性
input_info	Array of input_info objects	输入信息
plugin_execution	Object	执行信息
runtime_attribute	String	运行属性

表 4-393 input_info

参数	参数类型	描述
unique_id	String	唯一ID
name	String	名称
default_value	String	默认值
plugin_name	String	插件名
version	String	版本
type	String	类型
workspace_id	String	租户ID
validation	ExtensionValidation object	验证
layout_content	String	样式信息

表 4-394 ExtensionValidation

参数	参数类型	描述
required_message	String	消息
regex	String	正则
regex_message	String	正则消息
max_length	Integer	最大长度
min_length	Integer	最小长度

状态码： 400

表 4-395 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 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": "执行Shell",
```

```
"task" : "official_shell_plugin",
  "variables" : {
    "OFFICIAL_SHELL_SCRIPT_INPUT" : "env"
  }
}]
},
"runtime_attribution" : "agent"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowPluginVersionSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowPluginVersionRequest request = new ShowPluginVersionRequest();
        request.withPluginName("<plugin_name>");
        request.withVersion("<version>");
        try {
            ShowPluginVersionResponse response = client.showPluginVersion(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ShowPluginVersionRequest()
        request.plugin_name = "<plugin_name>"
        request.version = "<version>"
        response = client.show_plugin_version(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())
```

```
request := &model.ShowPluginVersionRequest{}
pluginNameRequest:= "<plugin_name>"
request.PluginName = &pluginNameRequest
versionRequest:= "<version>"
request.Version = &versionRequest
response, err := client.ShowPluginVersion(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.23 查询插件版本号

功能介绍

查询插件版本号

调用方法

请参见[如何调用API](#)。

URI

GET /v1/{domain_id}/agent-plugin/all-version

表 4-396 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-397 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
offset	是	String	偏移
limit	是	String	大小

请求参数

表 4-398 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-399 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移
limit	Integer	大小
total	Integer	总数
data	Array of strings	结果集

状态码： 400

表 4-400 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

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

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListPluginVersionNumberSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListPluginVersionNumberRequest request = new ListPluginVersionNumberRequest();
        request.withPluginName("<plugin_name>");
        request.withOffset("<offset>");
        request.withLimit("<limit>");
        try {
```

```
ListPluginVersionNumberResponse response = client.listPluginVersionNumber(request);
System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = ListPluginVersionNumberRequest()
        request.plugin_name = "<plugin_name>"
        request.offset = "<offset>"
        request.limit = "<limit>"
        response = client.list_plugin_version_number(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

func main() {
    // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security
```

```
risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment variables and decrypted during use to ensure security.
// In this example, AK and SK are stored in environment variables for authentication. Before running this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
ak := os.Getenv("CLOUD_SDK_AK")
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ListPluginVersionNumberRequest{}
pluginNameRequest:= "<plugin_name>"
request.PluginName = &pluginNameRequest
offsetRequest:= "<offset>"
request.Offset = &offsetRequest
limitRequest:= "<limit>"
request.Limit = &limitRequest
response, err := client.ListPluginVersionNumber(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.24 删除发布商

功能介绍

删除发布商

调用方法

请参见[如何调用API](#)。

URI

DELETE /v1/{domain_id}/publisher/delete

表 4-401 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-402 Query 参数

参数	是否必选	参数类型	描述
publisher_uni que_id	是	String	发布商ID

请求参数

表 4-403 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 400

表 4-404 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class DeletePublisherSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        DeletePublisherRequest request = new DeletePublisherRequest();
        request.withPublisherUniqueId("<publisher_unique_id>");
        try {
            DeletePublisherResponse response = client.deletePublisher(request);
            System.out.println(response.toString());
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = DeletePublisherRequest()
        request.publisher_unique_id = "<publisher_unique_id>"
        response = client.delete_publisher(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

```
ak := os.Getenv("CLOUD_SDK_AK")
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.DeletePublisherRequest{
    publisherUniqueIdRequest:= "<publisher_unique_id>"
    request.PublisherUniqueId = &publisherUniqueIdRequest
    response, err := client.DeletePublisher(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.25 查询发布商详情

功能介绍

查询发布商详情

调用方法

请参见[如何调用API](#)。

URI

POST /v1/{domain_id}/publisher/detail

表 4-405 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-406 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-407 请求 Body 参数

参数	是否必选	参数类型	描述
[数组元素]	否	Array of strings	发布商ID集合

响应参数

状态码： 200

表 4-408 响应 Body 参数

参数	参数类型	描述
publisher_detail_map	Map<String, PublisherVO>	发布商详情

表 4-409 PublisherVO

参数	参数类型	描述
publisher_unique_id	String	发布商ID

参数	参数类型	描述
user_id	String	用户ID
tenant_id	String	租户ID
description	String	描述
logo_url	String	图标URL
website	String	网页地址
support_url	String	地址
source_url	String	地址
en_name	String	英文名
name	String	名称
auth_status	String	授权状态
is_delete	Integer	是否删除
last_update_user_name	String	最后更新人
last_update_user_id	String	最后更新人ID
last_update_time	String	最后更新时间

状态码： 400

表 4-410 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
POST https://{endpoint}/v1/ce8df55870164338a72d7e828a966a2a/publisher/detail
[ "b9fc8fb6d9194536ac66dd74c2212126" ]
```

响应示例

状态码： 200

OK

```
{
  "b9fc8fb6d9194536ac66dd74c2212126" : {
```


表 4-411 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-412 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-413 请求 Body 参数

参数	是否必选	参数类型	描述
unique_id	否	String	唯一ID
icon_url	否	String	图标URL
runtime_attri bution	否	String	运行属性
plugin_name	是	String	插件名
display_name	是	String	展示名
business_type	是	String	业务类型
business_type _display_nam e	是	String	业务类型展示名
description	否	String	描述
is_private	否	Integer	是否私有
region	否	String	局点
maintainers	否	String	维护者
plugin_compo sition_type	否	String	组合插件类型

响应参数

状态码： 400

表 4-414 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
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": "通用",
  "icon_url": "",
  "plugin_composition_type": "single"
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class CreateBasicPluginSolution {

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

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

```
CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
    .build();
CreateBasicPluginRequest request = new CreateBasicPluginRequest();
PluginBasicDTO body = new PluginBasicDTO();
body.withPluginCompositionType("single");
body.withMaintainers("");
body.withDescription("");
body.withBusinessTypeDisplayName("通用");
body.withBusinessType("Normal");
body.withDisplayName("basic_plugin");
body.withPluginName("basic_plugin");
body.withIconUrl("");
request.withBody(body);
try {
    CreateBasicPluginResponse response = client.createBasicPlugin(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

    client = CodeArtsPipelineClient.new_builder() \
        .with_credentials(credentials) \
        .with_region(CodeArtsPipelineRegion.valueOf("<YOUR REGION>")) \
        .build()

    try:
        request = CreateBasicPluginRequest()
        request.body = PluginBasicDTO(
            plugin_composition_type="single",
            maintainers="",
            description="",
            business_type_display_name="通用",
            business_type="Normal",
            display_name="basic_plugin",
            plugin_name="basic_plugin",

```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreateBasicPluginRequest{
        pluginCompositionTypePluginBasicDto:= "single"
        maintainersPluginBasicDto:= ""
        descriptionPluginBasicDto:= ""
        businessTypeDisplayNamePluginBasicDto:= "通用"
        businessTypePluginBasicDto:= "Normal"
        displayNamePluginBasicDto:= "basic_plugin"
        pluginNamePluginBasicDto:= "basic_plugin"
        iconUrlPluginBasicDto:= ""
        request.Body = &model.PluginBasicDto{
            PluginCompositionType: &pluginCompositionTypePluginBasicDto,
            Maintainers: &maintainersPluginBasicDto,
            Description: &descriptionPluginBasicDto,
            BusinessTypeDisplayName: &businessTypeDisplayNamePluginBasicDto,
            BusinessType: &businessTypePluginBasicDto,
            DisplayName: &displayNamePluginBasicDto,
            PluginName: &pluginNamePluginBasicDto,
            IconUrl: &iconUrlPluginBasicDto,
        }
    }
    response, err := client.CreateBasicPlugin(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.27 更新基础插件

功能介绍

更新基础插件

调用方法

请参见[如何调用API](#)。

URI

POST /v3/{domain_id}/extension/info/update

表 4-415 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

请求参数

表 4-416 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-417 请求 Body 参数

参数	是否必选	参数类型	描述
unique_id	否	String	唯一ID
icon_url	否	String	图标URL
runtime_attri bution	否	String	运行属性
plugin_name	是	String	插件名
display_name	是	String	展示名
business_type	是	String	业务类型
business_type _display_nam e	是	String	业务类型展示名
description	否	String	描述
is_private	否	Integer	是否私有
region	否	String	局点
maintainers	否	String	维护者
plugin_compo sition_type	否	String	组合插件类型

响应参数

状态码： 400

表 4-418 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息

参数	参数类型	描述
error_code	String	错误码

请求示例

```
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": "通用",
  "icon_url": ""
}
```

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class UpdateBasicPluginSolution {

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

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

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

```
UpdateBasicPluginRequest request = new UpdateBasicPluginRequest();
PluginBasicDTO body = new PluginBasicDTO();
body.withMaintainers("");
body.withDescription("");
body.withBusinessTypeDisplayName("通用");
body.withBusinessType("Normal");
body.withDisplayName("basic_plugin");
body.withPluginName("basic_plugin");
body.withIconUrl("");
request.withBody(body);
try {
    UpdateBasicPluginResponse response = client.updateBasicPlugin(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UpdateBasicPluginRequest()
        request.body = PluginBasicDTO(
            maintainers="",
            description="",
            business_type_display_name="通用",
            business_type="Normal",
            display_name="basic_plugin",
            plugin_name="basic_plugin",
            icon_url=""
        )
        response = client.update_basic_plugin(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UpdateBasicPluginRequest{
        maintainersPluginBasicDto:= ""
        descriptionPluginBasicDto:= ""
        businessTypeDisplayNamePluginBasicDto:= "通用"
        businessTypePluginBasicDto:= "Normal"
        displayNamePluginBasicDto:= "basic_plugin"
        pluginNamePluginBasicDto:= "basic_plugin"
        iconUrlPluginBasicDto:= ""
        request.Body = &model.PluginBasicDto{
            Maintainers: &maintainersPluginBasicDto,
            Description: &descriptionPluginBasicDto,
            BusinessTypeDisplayName: &businessTypeDisplayNamePluginBasicDto,
            BusinessType: &businessTypePluginBasicDto,
            DisplayName: &displayNamePluginBasicDto,
            PluginName: &pluginNamePluginBasicDto,
            IconUrl: &iconUrlPluginBasicDto,
        }
    }
    response, err := client.UpdateBasicPlugin(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.28 删除基础插件

功能介绍

删除基础插件

调用方法

请参见[如何调用API](#)。

URI

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

表 4-419 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-420 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	需要删除的插件名
type	是	String	删除类型，all 代表删除整个插件，single代表删除单个插件版本
version	否	String	需要删除的插件版本

请求参数

表 4-421 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 400

表 4-422 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

true

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class DeleteBasicPluginSolution {
```

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

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

    CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
        .withCredential(auth)
        .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
        .build();
    DeleteBasicPluginRequest request = new DeleteBasicPluginRequest();
    request.withPluginName("<plugin_name>");
    try {
        DeleteBasicPluginResponse response = client.deleteBasicPlugin(request);
        System.out.println(response.toString());
    } catch (ConnectionException e) {
        e.printStackTrace();
    } catch (RequestTimeoutException e) {
        e.printStackTrace();
    } catch (ServiceResponseException e) {
        e.printStackTrace();
        System.out.println(e.getHttpStatusCode());
        System.out.println(e.getRequestId());
        System.out.println(e.getErrorCode());
        System.out.println(e.getErrorMsg());
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = DeleteBasicPluginRequest()
        request.plugin_name = "<plugin_name>"
        response = client.delete_basic_plugin(request)
        print(response)
    except exceptions.ClientRequestException as e:
```

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.DeleteBasicPluginRequest{}
    pluginNameRequest := "<plugin_name>"
    request.PluginName = &pluginNameRequest
    response, err := client.DeleteBasicPlugin(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden

状态码	描述
404	Not Found

错误码

请参见[错误码](#)。

4.7.29 上传基础插件

功能介绍

上传基础插件

调用方法

请参见[如何调用API](#)。

URI

POST /v3/{domain_id}/extension/upload

表 4-423 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-424 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
business_type	是	String	业务类型

请求参数

表 4-425 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-426 FormData 参数

参数	是否必选	参数类型	描述
upload_file	是	File	插件文件

响应参数

状态码： 400

表 4-427 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

是否调用成功

```
true
```

SDK 代码示例

SDK代码示例如下。

Java

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
public class UploadBasicPluginSolution {  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment
```

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

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

CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
    .withCredential(auth)
    .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
    .build();
UploadBasicPluginRequest request = new UploadBasicPluginRequest();
request.withPluginName("<plugin_name>");
request.withBusinessType("<business_type>");
try {
    UploadBasicPluginResponse response = client.uploadBasicPlugin(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = UploadBasicPluginRequest()
        request.plugin_name = "<plugin_name>"
        request.business_type = "<business_type>"
        response = client.upload_basic_plugin(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.UploadBasicPluginRequest{}
    pluginNameRequest := "<plugin_name>"
    request.PluginName = &pluginNameRequest
    businessTypeRequest := "<business_type>"
    request.BusinessType = &businessTypeRequest
    response, err := client.UploadBasicPlugin(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	是否调用成功
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.7.30 查询基础插件详情

功能介绍

查询基础插件详情

调用方法

请参见[如何调用API](#)。

URI

GET /v3/{domain_id}/extension/detail

表 4-428 路径参数

参数	是否必选	参数类型	描述
domain_id	是	String	租户ID

表 4-429 Query 参数

参数	是否必选	参数类型	描述
plugin_name	是	String	插件名
version	是	String	版本

请求参数

表 4-430 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-431 响应 Body 参数

参数	参数类型	描述
type	String	类型
name	String	名称
friendly_name	String	展示名
category	String	业务类型
description	String	描述
version	String	版本
version_description	String	版本说明
inputs	Array of inputs objects	输入信息
outputs	Array of outputs objects	输出信息
execution	execution object	执行信息

表 4-432 inputs

参数	参数类型	描述
name	String	名称
type	String	类型
label	String	标签
description	String	说明
default_value	String	默认值
required	Boolean	必填
extend_prop	ExtensionExtendProp object	扩展属性
validation	ExtensionValidation object	验证

表 4-433 ExtensionExtendProp

参数	参数类型	描述
api_options	String	API 选项
api_type	String	API 类型
options	String	选项
disabled_conditions	String	禁用条件
visible_conditions	String	可见条件

表 4-434 ExtensionValidation

参数	参数类型	描述
required_message	String	消息
regex	String	正则
regex_message	String	正则消息
max_length	Integer	最大长度
min_length	Integer	最小长度

表 4-435 outputs

参数	参数类型	描述
name	String	名称
type	String	类型
description	String	描述

表 4-436 execution

参数	参数类型	描述
target	String	入口
type	String	类型
sha256	String	sha256

状态码： 400

表 4-437 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

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

响应示例

状态码： 200

OK

```
{
  "type": "Task",
  "name": "basic-CTS",
  "category": "Test",
  "description": "",
  "version": "2.3.5",
  "inputs": [ {
    "name": "SHELL_PLUGIN",
    "type": "input",
    "label": "单行输入框",
    "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": "记录问题个数"
  } ],
  "execution": {
    "type": "scripts/test.sh",
    "target": "Shell",
    "sha256": "4fa52dab3fb72847e4da5f00295a96fce8892f301d384efe9b776aa1731ba8f0"
  },
  "friendly_name": "基础插件-CTS2",
  "version_description": "执行Shell命令"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowBasicPluginSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowBasicPluginRequest request = new ShowBasicPluginRequest();
        request.withPluginName("<plugin_name>");
        request.withVersion("<version>");
        try {
            ShowBasicPluginResponse response = client.showBasicPlugin(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

if __name__ == "__main__":
```

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = ShowBasicPluginRequest()
    request.plugin_name = "<plugin_name>"
    request.version = "<version>"
    response = client.show_basic_plugin(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowBasicPluginRequest{}
    pluginNameRequest := "<plugin_name>"
    request.PluginName = &pluginNameRequest
    versionRequest := "<version>"
    request.Version = &versionRequest
    response, err := client.ShowBasicPlugin(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

```
}  
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.8 模板管理（旧版，待下线）

4.8.1 查询模板列表

功能介绍

查询模板列表，支持分页查询,支持模板名字模糊查询

调用方法

请参见[如何调用API](#)。

URI

GET /v3/templates

表 4-438 Query 参数

参数	是否必选	参数类型	描述
template_type	是	String	模板类型
is_build_in	是	String	是否内置模板

参数	是否必选	参数类型	描述
offset	否	Integer	偏移量,表示从此偏移量开始查询,offset大于等于0
limit	否	Integer	每页显示的条目数量
name	否	String	模板名称, 匹配规则为模糊匹配
sort	否	String	排序字段
asc	否	String	是否正序

请求参数

表 4-439 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-440 响应 Body 参数

参数	参数类型	描述
total	Integer	总数
page_number	Integer	页码数
page_size	Integer	每页显示数
content	Array of TemplateView objects	模板数据,list类型数据

表 4-441 TemplateView

参数	参数类型	描述
template_id	String	模板ID

参数	参数类型	描述
template_name	String	模板名字
template_type	String	模板类型
template_url	String	模板编辑URL
user_id	String	用户ID
user_name	String	用户名字
domain_id	String	租户ID
domain_name	String	租户名字
is_build_in	Boolean	是否内置模板
region	String	系统模板region为Cloud Pipeline。自定义模板region为实际region
project_id	String	项目ID
project_name	String	项目名字
create_time	String	创建时间
last_modify_time	String	修改时间
is_watch	Boolean	是否关注
description	String	模板描述
parameter	Array of TemplateParam objects	模板参数
flow	Map<String,Map<String,String>>	编排flow详情，描述流水线内各阶段任务的串并行关系。map类型数据，key为阶段名字，默认第一阶段initial，最后阶段为final，其余名字以'state_数字'标识。value为该阶段内任务(以'Task_数字'标识)以及后续阶段的标识。本字段为描述流水线基础编排数据之一，建议可通过流水线真实界面基于模板创建接口中获取
states	Map<String, TemplateState >	编排State详情，map类型数据。本字段为描述流水线基础编排数据之一，建议可通过流水线真实界面基于模板创建接口中获取
can_update	Boolean	是否可以修改
can_delete	Boolean	是否可以删除
need_hub	Boolean	是否需要代码仓库

表 4-442 TemplateParam

参数	参数类型	描述
required	String	是否必须
visible	String	是否可见
name	String	流水线参数名字
value	String	流水线参数值
description	String	流水线参数描述
paramtype	String	流水线参数类型
display_type	String	流水线参数展示类型
display_name	String	流水线参数展示名字
is_static	Boolean	是否静态参数
is_default	Boolean	是否默认参数
limits	Array of ParamTypeLimits objects	array类型数据
constraints	Array of Constraint objects	array类型数据

表 4-443 ParamTypeLimits

参数	参数类型	描述
disable	String	是否废弃
name	String	语言名字
displayname	String	语言展示名字
id	String	策略ID
language	String	扫描语言

表 4-444 Constraint

参数	参数类型	描述
type	String	校验规则类型
value	String	校验规则
errmsg	String	校验失败描述

表 4-445 TemplateState

参数	参数类型	描述
type	String	任务类型
name	String	任务名字
module_or_template_id	String	模板任务ID
module_or_template_name	String	模板任务名字
display_name	String	任务在流水线页面展示名字
dsl_method	String	流水线可挂载任务类型
parameters	Map<String,Object>	任务参数,map类型数据
is_manual_execution	Boolean	是否手动执行
job_parameter_validate	Boolean	任务参数是否校验
is_show_codehub_url	Boolean	是否显示代码仓URL
is_execute	Boolean	是否执行
job_id	String	执行任务ID
job_name	String	执行任务名字
project_id	String	任务所属项目ID
execution_mode	String	控制阶段下任务的串并行（type是task的execution_mode值为null，type是stage的execution_mode可选parallel（并行）或者serial（串行））

状态码： 400

表 4-446 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
GET https://{endpoint}/v3/templates?template_type=pipeline&is_build_in=false&offset=0&limit=10
```

响应示例

无

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ListTemplatesSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ListTemplatesRequest request = new ListTemplatesRequest();
        request.withTemplateType("<template_type>");
        request.withIsBuildIn("<is_build_in>");
        request.withOffset("<offset>");
        request.withLimit("<limit>");
        request.withName("<name>");
        request.withSort("<sort>");
        request.withAsc("<asc>");
        try {
            ListTemplatesResponse response = client.listTemplates(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

```
}  
}
```

Python

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

Go

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

```
WithSk(sk).
Build()

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.ListTemplatesRequest{}
request.TemplateType = "<template_type>"
request.IsBuildIn = "<is_build_in>"
offsetRequest:= int32(<offset>)
request.Offset = &offsetRequest
limitRequest:= int32(<limit>)
request.Limit = &limitRequest
nameRequest:= "<name>"
request.Name = &nameRequest
sortRequest:= "<sort>"
request.Sort = &sortRequest
ascRequest:= "<asc>"
request.Asc = &ascRequest
response, err := client.ListTemplates(request)
if err == nil {
    fmt.Printf("%v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.8.2 查询模板详情

功能介绍

[查询模板详情](#)

调用方法

请参见[如何调用API](#)。

URI

GET /v3/templates/{template_id}

表 4-447 路径参数

参数	是否必选	参数类型	描述
template_id	是	String	模板ID

表 4-448 Query 参数

参数	是否必选	参数类型	描述
template_type	是	String	模板类型
source	否	String	接口调用方

请求参数

表 4-449 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-450 响应 Body 参数

参数	参数类型	描述
template_id	String	模板ID
template_name	String	模板名字
template_type	String	模板类型

参数	参数类型	描述
user_id	String	用户ID
user_name	String	用户名字
domain_id	String	租户ID
domain_name	String	租户名字
is_build_in	Boolean	是否内置模板
region	String	region
project_id	String	项目ID
project_name	String	项目名字
create_time	String	创建时间
last_modify_time	String	修改时间
is_watch	Boolean	是否关注
description	String	模板描述
parameter	Array of TemplateParam objects	模板参数
flow	Map<String,Map<String,String>>	编排flow详情，描述流水线内各阶段任务的串并行关系。map类型数据，key为阶段名字，默认第一阶段initial，最后阶段为final，其余名字以'state_数字'标识。value为该阶段内任务(以'Task_数字'标识)以及后续阶段的标识。本字段为描述流水线基础编排数据之一，建议可通过流水线真实界面基于模板创建接口中获取
states	Map<String, TemplateState >	编排State详情，map类型数据。本字段为描述流水线基础编排数据之一，建议可通过流水线真实界面基于模板创建接口中获取

表 4-451 TemplateParam

参数	参数类型	描述
required	String	是否必须
visible	String	是否可见
name	String	流水线参数名字
value	String	流水线参数值
description	String	流水线参数描述

参数	参数类型	描述
paramtype	String	流水线参数类型
display_type	String	流水线参数展示类型
display_name	String	流水线参数展示名字
is_static	Boolean	是否静态参数
is_default	Boolean	是否默认参数
limits	Array of ParamTypeLimits objects	array类型数据
constraints	Array of Constraint objects	array类型数据

表 4-452 ParamTypeLimits

参数	参数类型	描述
disable	String	是否废弃
name	String	语言名字
displayname	String	语言展示名字
id	String	策略ID
language	String	扫描语言

表 4-453 Constraint

参数	参数类型	描述
type	String	校验规则类型
value	String	校验规则
errmsg	String	校验失败描述

表 4-454 TemplateState

参数	参数类型	描述
type	String	任务类型
name	String	任务名字

参数	参数类型	描述
module_or_template_id	String	模板任务ID
module_or_template_name	String	模板任务名字
display_name	String	任务在流水线页面展示名字
dsl_method	String	流水线可挂载任务类型
parameters	Map<String,Object>	任务参数,map类型数据
is_manual_execution	Boolean	是否手动执行
job_parameter_validate	Boolean	任务参数是否校验
is_show_codehub_url	Boolean	是否显示代码仓URL
is_execute	Boolean	是否执行
job_id	String	执行任务ID
job_name	String	执行任务名字
project_id	String	任务所属项目ID
execution_mode	String	控制阶段下任务的串并行（type是task的execution_mode值为null，type是stage的execution_mode可选parallel（并行）或者serial（串行））

状态码： 400

表 4-455 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

GET https://{endpoint}/v3/templates/6efb0b24e2e9489eb0e53ee12904a19e?template_type=deployMan

响应示例

无

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class ShowTemplateDetailSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        ShowTemplateDetailRequest request = new ShowTemplateDetailRequest();
        request.withTemplateType("<template_type>");
        request.withSource("<source>");
        try {
            ShowTemplateDetailResponse response = client.showTemplateDetail(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

if __name__ == "__main__":
```

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = ShowTemplateDetailRequest()
    request.template_type = "<template_type>"
    request.source = "<source>"
    response = client.show_template_detail(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ShowTemplateDetailRequest{}
    request.TemplateType = "<template_type>"
    sourceRequest := "<source>"
    request.Source = &sourceRequest
    response, err := client.ShowTemplateDetail(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

```
}  
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9 流水线管理（旧版，待下线）

4.9.1 基于模板快速创建流水线及流水线内任务

功能介绍

基于模板快速创建流水线及流水线内任务

调用方法

请参见[如何调用API](#)。

URI

POST /v3/templates/task

请求参数

表 4-456 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-457 请求 Body 参数

参数	是否必选	参数类型	描述
flow	是	Map<String,Map<String,String>>	编排flow详情，描述流水线内各阶段任务的串并行关系。map类型数据，key为阶段名字，默认第一阶段initial，最后阶段为final，其余名字以'state_数字'标识。value为该阶段内任务(以'Task_数字'标识)以及后续阶段的标识。本字段为描述流水线基础编排数据之一，建议可通过流水线真实界面基于模板创建接口中获取
states	是	Map<String,TemplateState>	编排State详情，map类型数据。本字段为描述流水线基础编排数据之一，建议可通过流水线真实界面基于模板创建接口中获取
workflow	是	Workflow object	参数详情

表 4-458 TemplateState

参数	是否必选	参数类型	描述
type	是	String	任务类型
name	是	String	任务名字
module_or_template_id	是	String	模板任务ID
module_or_template_name	是	String	模板任务名字
display_name	是	String	任务在流水线页面展示名字

参数	是否必选	参数类型	描述
dsl_method	是	String	流水线可挂载任务类型
parameters	是	Map<String,Object>	任务参数,map类型数据
is_manual_execution	是	Boolean	是否手动执行
job_parameter_validate	是	Boolean	任务参数是否校验
is_show_codehub_url	是	Boolean	是否显示代码仓URL
is_execute	是	Boolean	是否执行
job_id	是	String	执行任务ID
job_name	是	String	执行任务名字
project_id	是	String	任务所属项目ID
execution_mode	是	String	控制阶段下任务的串并行（type是task的execution_mode值为null，type是stage的execution_mode可选parallel（并行）或者serial（串行））

表 4-459 Workflow

参数	是否必选	参数类型	描述
parameter	是	Array of PipelineParam objects	任务类型,list类型数据
source	是	Array of Source objects	源码仓,list类型数据
name	是	String	流水线名字
project_id	是	String	项目ID
project_name	是	String	项目名字

表 4-460 PipelineParam

参数	是否必选	参数类型	描述
name	是	String	流水线参数名字

参数	是否必选	参数类型	描述
value	是	String	流水线参数值
description	是	String	流水线参数描述
param_type	是	String	流水线参数类型
is_static	是	Boolean	是否静态参数
is_default	是	Boolean	是否默认参数

表 4-461 Source

参数	是否必选	参数类型	描述
codehub_name	是	String	源码仓名字
branches	是	Array of strings	触发分支
scm_type	是	String	源码仓来源
hook_flag	是	Boolean	是否开启触发执行流水线功能
branch	是	String	触发分支
git_url	是	String	源码仓ssh地址
codehub_id	是	String	源码仓ID
web_url	是	String	源码仓首页url
branch_list	是	Array of strings	分支列表
init_id	是	String	初始化ID
disable	是	Boolean	是否废弃

响应参数

状态码： 200

表 4-462 响应 Body 参数

参数	参数类型	描述
task_id	String	实例ID

状态码： 400

表 4-463 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

POST https://{endpoint}/v3/templates/task

```
{
  "flow": {
    "initial": {
      "state_3": "always"
    },
    "state_3": {
      "state_4": "always"
    },
    "state_4": {
      "state_5": "always",
      "Task_1": "always",
      "Task_2": "always"
    },
    "state_5": {
      "final": "always"
    }
  },
  "states": {
    "initial": {
      "type": "stage",
      "name": "initial",
      "module_or_template_id": null,
      "module_or_template_name": null,
      "display_name": "Initial",
      "dsl_method": "initial",
      "parameters": {
        "display": "hidden"
      },
      "params": null,
      "is_manual_mexecution": false,
      "execution_mode": "parallel"
    },
    "state_3": {
      "type": "stage",
      "name": "state_3",
      "module_or_template_id": null,
      "module_or_template_name": null,
      "display_name": "Source",
      "dsl_method": "source",
      "parameters": null,
      "params": null,
      "is_manual_execution": false,
      "execution_mode": "parallel"
    },
    "Task_1": {
      "type": "task",
      "name": "Task_1",
      "module_or_template_id": "00012",
      "module_or_template_name": "Maven",
      "display_name": "Build_Task",
      "dsl_method": "buildJob",
      "parameters": {
        "__repository__": {
          "repo_name": "fdfdfd",

```

```
    "url" : "git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git"
  }
},
"params" : null,
"is_manual_execution" : false,
"execution_mode" : null,
"job_parameter_validate" : true,
"is_show_code_hub_url" : false,
"is_execute" : true,
"job_id" : "00012",
"job_name" : "Maven",
"project_id" : "4719b59466624abfbae0f83c3ce3a0dc"
},
"Task_2" : {
  "type" : "task",
  "name" : "Task_2",
  "module_or_template_id" : "d7dffaefb6d94c63a09cf141668356c7",
  "module_or_template_name" : "codecheck_template",
  "display_name" : "Code_Check_Task",
  "dsl_method" : "codeCheck",
  "parameters" : {
    "language" : {
      "disable" : null,
      "name" : "Java",
      "display_name" : "Java",
      "id" : "782aade71ffb4ab780303555eb2e4825",
      "language" : "java"
    },
    "codeBranch" : "master",
    "__repository__" : {
      "repo_name" : "fdfdfdf",
      "url" : "git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git"
    }
  },
  "params" : null,
  "is_manual_execution" : false,
  "execution_mode" : null,
  "job_parameter_validate" : true,
  "is_show_code_hub_url" : false,
  "is_execute" : true,
  "job_id" : "d7dffaefb6d94c63a09cf141668356c7",
  "job_name" : "codecheck_template",
  "project_id" : "4719b59466624abfbae0f83c3ce3a0dc"
},
"state_4" : {
  "type" : "stage",
  "name" : "state_4",
  "module_or_template_id" : null,
  "module_or_template_name" : null,
  "display_name" : "Build_and_Check",
  "dsl_method" : "build",
  "parameters" : null,
  "params" : null,
  "is_manual_execution" : false,
  "execution_mode" : "parallel"
},
"state_5" : {
  "type" : "stage",
  "name" : "state_5",
  "module_or_template_id" : null,
  "module_or_template_name" : null,
  "display_name" : "Release",
  "dsl_method" : "release",
  "parameters" : null,
  "params" : null,
  "is_manual_execution" : false,
  "execution_mode" : "parallel"
},
"final" : {
```

```
"type": "stage",
"name": "final",
"module_or_template_id": null,
"module_or_template_name": null,
"display_name": "Final",
"dsl_method": "final",
"parameters": null,
"params": null,
"is_manual_mexecution": false,
"execution_mode": "parallel"
}
},
"workflow": {
  "parameter": [ {
    "name": "serviceName",
    "value": "pipeline-20201229165622",
    "description": "this is a text type param",
    "paramtype": "normalparam",
    "display_name": null,
    "isStatic": true,
    "isDefault": true,
    "constraints": null
  }, {
    "name": "releaseVersion",
    "value": "1.0.0",
    "description": "this is a growth type param",
    "paramtype": "growthparam",
    "display_name": null,
    "isStatic": false,
    "isDefault": true,
    "constraints": null
  } ],
  "source": [ {
    "scmType": "codehub",
    "codeHubName": "fdfd",
    "hookFlag": false,
    "branches": [ ],
    "defaultBranch": "master",
    "branch": "",
    "codeHubId": "5224040",
    "gitUrl": "git@example.com:CloudPipelineTest-Copy00001/fdfdf.git",
    "webUrl": "https://example.com/codehub/project/bc97c4d99c7d4f98bb6cd104a77fddd6/codehub/140000127/home",
    "branchList": [ "master" ]
  } ],
  "name": "pipeline-123123",
  "description": "",
  "project_id": "bc97c4d99c7d4f98bb6cd104a77fddd6",
  "project_name": "CloudPipelineTest-Copy"
},
"changelInfo": null
}
```

响应示例

状态码: 200

OK

```
{
  "task_id": "eafaff0bf9094d3d8456d13dddf67b40"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

public class CreatePipelineByTemplateSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        CreatePipelineByTemplateRequest request = new CreatePipelineByTemplateRequest();
        TemplateCddl body = new TemplateCddl();
        List<Source> listWorkflowSource = new ArrayList<>();
        listWorkflowSource.add(
            new Source()
                .withBranches()
                .withBranch("")
        );
        List<PipelineParam> listWorkflowParameter = new ArrayList<>();
        listWorkflowParameter.add(
            new PipelineParam()
                .withName("serviceName")
                .withValue("pipeline-20201229165622")
                .withDescription("this is a text type param")
        );
        listWorkflowParameter.add(
            new PipelineParam()
                .withName("releaseVersion")
                .withValue("1.0.0")
                .withDescription("this is a growth type param")
        );
        Workflow workflowbody = new Workflow();
        workflowbody.withParameter(listWorkflowParameter)
            .withSource(listWorkflowSource)
            .withName("pipeline-123123")
            .withProjectId("bc97c4d99c7d4f98bb6cd104a77fddd6")
            .withProjectName("CloudPipelineTest-Copy");
        TemplateState statesStates = new TemplateState();
        statesStates.withType("stage")
            .withName("final")
            .withDisplayName("Final")
            .withDslMethod("final")
            .withExecutionMode("parallel");
    }
}
```

```
TemplateState statesStates1 = new TemplateState();
statesStates1.withType("stage")
    .withName("state_5")
    .withDisplayName("Release")
    .withDslMethod("release")
    .withExecutionMode("parallel");
TemplateState statesStates2 = new TemplateState();
statesStates2.withType("stage")
    .withName("state_4")
    .withDisplayName("Build_and_Check")
    .withDslMethod("build")
    .withExecutionMode("parallel");
Map<String, Object> listStatesParameters = new HashMap<>();
listStatesParameters.put("language", "{\\name\\:\\Java\\,\\language\\:\\java\\,\\id
\\:\\782aade71ffb4ab780303555eb2e4825\\,\\display_name\\:\\Java\\}");
listStatesParameters.put("codeBranch", "master");
listStatesParameters.put("__repository__", "{\\repo_name\\:\\fdfd\\,\\url
\\:\\git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git\\}");
TemplateState statesStates3 = new TemplateState();
statesStates3.withType("task")
    .withName("Task_2")
    .withModuleOrTemplateId("d7dfaefb6d94c63a09cf141668356c7")
    .withModuleOrTemplateName("codecheck_template")
    .withDisplayName("Code_Check_Task")
    .withDslMethod("codeCheck")
    .withParameters(listStatesParameters)
    .withIsManualExecution(false)
    .withIsExecute(true)
    .withJobId("d7dfaefb6d94c63a09cf141668356c7")
    .withJobName("codecheck_template")
    .withProjectId("4719b59466624abfbae0f83c3ce3a0dc");
Map<String, Object> listStatesParameters1 = new HashMap<>();
listStatesParameters1.put("__repository__", "{\\repo_name\\:\\fdfd\\,\\url
\\:\\git@example.com:CloudPipelineTest-Copy00001/fdfdfdf.git\\}");
TemplateState statesStates4 = new TemplateState();
statesStates4.withType("task")
    .withName("Task_1")
    .withModuleOrTemplateId("00012")
    .withModuleOrTemplateName("Maven")
    .withDisplayName("Build_Task")
    .withDslMethod("buildJob")
    .withParameters(listStatesParameters1)
    .withIsManualExecution(false)
    .withIsExecute(true)
    .withJobId("00012")
    .withJobName("Maven")
    .withProjectId("4719b59466624abfbae0f83c3ce3a0dc");
TemplateState statesStates5 = new TemplateState();
statesStates5.withType("stage")
    .withName("state_3")
    .withDisplayName("Source")
    .withDslMethod("source")
    .withIsManualExecution(false)
    .withExecutionMode("parallel");
Map<String, Object> listStatesParameters2 = new HashMap<>();
listStatesParameters2.put("display", "hidden");
TemplateState statesStates6 = new TemplateState();
statesStates6.withType("stage")
    .withName("initial")
    .withDisplayName("Initial")
    .withDslMethod("initial")
    .withParameters(listStatesParameters2)
    .withExecutionMode("parallel");
Map<String, TemplateState> listbodyStates = new HashMap<>();
listbodyStates.put("initial", statesStates6);
listbodyStates.put("state_3", statesStates5);
listbodyStates.put("Task_1", statesStates4);
listbodyStates.put("Task_2", statesStates3);
listbodyStates.put("state_4", statesStates2);
```

```
listbodyStates.put("state_5", statesStates1);
listbodyStates.put("final", statesStates);
Map<String, String> listFlowFlow = new HashMap<>();
listFlowFlow.put("final", "always");
Map<String, String> listFlowFlow1 = new HashMap<>();
listFlowFlow1.put("state_5", "always");
listFlowFlow1.put("Task_1", "always");
listFlowFlow1.put("Task_2", "always");
Map<String, String> listFlowFlow2 = new HashMap<>();
listFlowFlow2.put("state_4", "always");
Map<String, String> listFlowFlow3 = new HashMap<>();
listFlowFlow3.put("state_3", "always");
Map<String, Map<String, String>> listbodyFlow = new HashMap<>();
listbodyFlow.put("initial", listFlowFlow3);
listbodyFlow.put("state_3", listFlowFlow2);
listbodyFlow.put("state_4", listFlowFlow1);
listbodyFlow.put("state_5", listFlowFlow);
body.withWorkflow(workflowbody);
body.withStates(listbodyStates);
body.withFlow(listbodyFlow);
request.withBody(body);
try {
    CreatePipelineByTemplateResponse response = client.createPipelineByTemplate(request);
    System.out.println(response.toString());
} catch (ConnectionException e) {
    e.printStackTrace();
} catch (RequestTimeoutException e) {
    e.printStackTrace();
} catch (ServiceResponseException e) {
    e.printStackTrace();
    System.out.println(e.getHttpStatusCode());
    System.out.println(e.getRequestId());
    System.out.println(e.getErrorCode());
    System.out.println(e.getErrorMsg());
}
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = CreatePipelineByTemplateRequest()
        listSourceWorkflow = [
            Source(
                branch=""
```

```
)
]
listParameterWorkflow = [
  PipelineParam(
    name="serviceName",
    value="pipeline-20201229165622",
    description="this is a text type param"
  ),
  PipelineParam(
    name="releaseVersion",
    value="1.0.0",
    description="this is a growth type param"
  )
]
workflowbody = Workflow(
  parameter=listParameterWorkflow,
  source=listSourceWorkflow,
  name="pipeline-123123",
  project_id="bc97c4d99c7d4f98bb6cd104a77fddd6",
  project_name="CloudPipelineTest-Copy"
)
statesStates = TemplateState(
  type="stage",
  name="final",
  display_name="Final",
  dsl_method="final",
  execution_mode="parallel"
)
statesStates1 = TemplateState(
  type="stage",
  name="state_5",
  display_name="Release",
  dsl_method="release",
  execution_mode="parallel"
)
statesStates2 = TemplateState(
  type="stage",
  name="state_4",
  display_name="Build_and_Check",
  dsl_method="build",
  execution_mode="parallel"
)
)
listParametersStates = {
  "language": "{ \"name\": \"Java\", \"language\": \"java\", \"id
\\\": \"782aade71ffb4ab780303555eb2e4825\", \"display_name\": \"Java\" }",
  "codeBranch": "master",
  "__repository__": "{ \"repo_name\": \"fdfdfdf\", \"url\": \"git@example.com:CloudPipelineTest-
Copy00001/fdfdfdf.git\" }"
}
statesStates3 = TemplateState(
  type="task",
  name="Task_2",
  module_or_template_id="d7dffae6b6d94c63a09cf141668356c7",
  module_or_template_name="codecheck_template",
  display_name="Code_Check_Task",
  dsl_method="codeCheck",
  parameters=listParametersStates,
  is_manual_execution=False,
  is_execute=True,
  job_id="d7dffae6b6d94c63a09cf141668356c7",
  job_name="codecheck_template",
  project_id="4719b59466624abfbae0f83c3ce3a0dc"
)
listParametersStates1 = {
  "__repository__": "{ \"repo_name\": \"fdfdfdf\", \"url\": \"git@example.com:CloudPipelineTest-
Copy00001/fdfdfdf.git\" }"
}
statesStates4 = TemplateState(
  type="task",
```

```
        name="Task_1",
        module_or_template_id="00012",
        module_or_template_name="Maven",
        display_name="Build_Task",
        dsl_method="buildJob",
        parameters=listParametersStates1,
        is_manual_execution=False,
        is_execute=True,
        job_id="00012",
        job_name="Maven",
        project_id="4719b59466624abfbae0f83c3ce3a0dc"
    )
    statesStates5 = TemplateState(
        type="stage",
        name="state_3",
        display_name="Source",
        dsl_method="source",
        is_manual_execution=False,
        execution_mode="parallel"
    )
    listParametersStates2 = {
        "display": "hidden"
    }
    statesStates6 = TemplateState(
        type="stage",
        name="initial",
        display_name="Initial",
        dsl_method="initial",
        parameters=listParametersStates2,
        execution_mode="parallel"
    )
    listStatesbody = {
        "initial": statesStates6,
        "state_3": statesStates5,
        "Task_1": statesStates4,
        "Task_2": statesStates3,
        "state_4": statesStates2,
        "state_5": statesStates1,
        "final": statesStates
    }
    listFlowFlow = {
        "final": "always"
    }
    listFlowFlow1 = {
        "state_5": "always",
        "Task_1": "always",
        "Task_2": "always"
    }
    listFlowFlow2 = {
        "state_4": "always"
    }
    listFlowFlow3 = {
        "state_3": "always"
    }
    listFlowbody = {
        "initial": listFlowFlow3,
        "state_3": listFlowFlow2,
        "state_4": listFlowFlow1,
        "state_5": listFlowFlow
    }
    request.body = TemplateCddl(
        workflow=workflowbody,
        states=listStatesbody,
        flow=listFlowbody
    )
    response = client.create_pipeline_by_template(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
```



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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.CreatePipelineByTemplateRequest{}
    var listSourceWorkflow = []model.Source{
        {
            Branch: "",
        },
    }
    var listParameterWorkflow = []model.PipelineParam{
        {
            Name: "serviceName",
            Value: "pipeline-20201229165622",
            Description: "this is a text type param",
        },
        {
            Name: "releaseVersion",
            Value: "1.0.0",
            Description: "this is a growth type param",
        },
    }
    workflowbody := &model.Workflow{
        Parameter: listParameterWorkflow,
        Source: listSourceWorkflow,
        Name: "pipeline-123123",
        ProjectId: "bc97c4d99c7d4f98bb6cd104a77fddd6",
        ProjectName: "CloudPipelineTest-Copy",
    }
    statesStates := model.TemplateState{
        Type: "stage",
        Name: "final",
        DisplayName: "Final",
        DslMethod: "final",
        ExecutionMode: "parallel",
    }
    statesStates1 := model.TemplateState{
```

```
Type: "stage",
Name: "state_5",
DisplayName: "Release",
DslMethod: "release",
ExecutionMode: "parallel",
}
statesStates2 := model.TemplateState{
Type: "stage",
Name: "state_4",
DisplayName: "Build_and_Check",
DslMethod: "build",
ExecutionMode: "parallel",
}
var listParametersStates = map[string]interface{}{
"language": "{ \"name\": \"Java\", \"language\": \"java\", \"id
\": \"782aade71ffb4ab780303555eb2e4825\", \"display_name\": \"Java\" }",
"codeBranch": "master",
"__repository__": "{ \"repo_name\": \"fdffdf\", \"url\": \"git@example.com:CloudPipelineTest-Copy00001/
fdffdf.git\" }",
}
statesStates3 := model.TemplateState{
Type: "task",
Name: "Task_2",
ModuleOrTemplateId: "d7dffaefb6d94c63a09cf141668356c7",
ModuleOrTemplateName: "codecheck_template",
DisplayName: "Code_Check_Task",
DslMethod: "codeCheck",
Parameters: listParametersStates,
IsManualExecution: false,
IsExecute: true,
JobId: "d7dffaefb6d94c63a09cf141668356c7",
JobName: "codecheck_template",
ProjectId: "4719b59466624abfbae0f83c3ce3a0dc",
}
var listParametersStates1 = map[string]interface{}{
"__repository__": "{ \"repo_name\": \"fdffdf\", \"url\": \"git@example.com:CloudPipelineTest-Copy00001/
fdffdf.git\" }",
}
statesStates4 := model.TemplateState{
Type: "task",
Name: "Task_1",
ModuleOrTemplateId: "00012",
ModuleOrTemplateName: "Maven",
DisplayName: "Build_Task",
DslMethod: "buildJob",
Parameters: listParametersStates1,
IsManualExecution: false,
IsExecute: true,
JobId: "00012",
JobName: "Maven",
ProjectId: "4719b59466624abfbae0f83c3ce3a0dc",
}
statesStates5 := model.TemplateState{
Type: "stage",
Name: "state_3",
DisplayName: "Source",
DslMethod: "source",
IsManualExecution: false,
ExecutionMode: "parallel",
}
var listParametersStates2 = map[string]interface{}{
"display": "hidden",
}
statesStates6 := model.TemplateState{
Type: "stage",
Name: "initial",
DisplayName: "Initial",
DslMethod: "initial",
Parameters: listParametersStates2,
```

```
    ExecutionMode: "parallel",
  }
  var listStatesbody = map[string](model.TemplateState){
    "initial": statesStates6,
    "state_3": statesStates5,
    "Task_1": statesStates4,
    "Task_2": statesStates3,
    "state_4": statesStates2,
    "state_5": statesStates1,
    "final": statesStates,
  }
  var listFlowFlow = map[string]string{
    "final": "always",
  }
  var listFlowFlow2 = map[string]string{
    "state_5": "always",
    "Task_1": "always",
    "Task_2": "always",
  }
  var listFlowFlow6 = map[string]string{
    "state_4": "always",
  }
  var listFlowFlow8 = map[string]string{
    "state_3": "always",
  }
  var listFlowbody = map[string]map[string]string{
    "initial": listFlowFlow8,
    "state_3": listFlowFlow6,
    "state_4": listFlowFlow2,
    "state_5": listFlowFlow,
  }
  request.Body = &model.TemplateCddl{
    Workflow: workflowbody,
    States: listStatesbody,
    Flow: listFlowbody,
  }
  response, err := client.CreatePipelineByTemplate(request)
  if err == nil {
    fmt.Printf("%+v\n", response)
  } else {
    fmt.Println(err)
  }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.2 检查流水线创建状态

功能介绍

检查流水线创建状态

调用方法

请参见[如何调用API](#)。

URI

GET /v3/templates/{task_id}/status

表 4-464 路径参数

参数	是否必选	参数类型	描述
task_id	是	String	实例ID

请求参数

表 4-465 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-466 响应 Body 参数

参数	参数类型	描述
task_id	String	流水线创建实例ID
task_status	String	实例创建状态，取值和含义:initializing: 初始化中; processing: 处理中; finished: 已完成; succeeded: 成功

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_name	String	流水线名称
pipeline_url	String	流水线详情页面url

状态码： 400

表 4-467 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
GET https://{endpoint}/v3/templates/eafaff0bf9094d3d8456d13dddf67b40/status
```

```
GET https://{endpoint}/v3/templates/eafaff0bf9094d3d8456d13dddf67b40/status
```

响应示例

状态码： 200

OK

```
{
  "task_id": "eafaff0bf9094d3d8456d13dddf67b40",
  "task_status": "succeeded",
  "pipeline_id": "4f73c81f5d98455eab7a2fda2f3d2434",
  "pipeline_name": "pipeline-20200316144601",
  "pipeline_url": "https://example.com/3560a08e3c5143c5bb0236e0ef910926/pipeline/detail/4f73c81f5d98455eab7a2fda2f3d2434"
}
```

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.3 启动流水线

功能介绍

启动流水线

调用方法

请参见[如何调用API](#)。

URI

POST /v3/pipelines/{pipeline_id}/start

表 4-468 路径参数

参数	是否必选	参数类型	描述
pipeline_id	是	String	流水线ID

请求参数

表 4-469 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token，通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-470 请求 Body 参数

参数	是否必选	参数类型	描述
build_params	否	Array of StartPipeline BuildParams objects	启动流水线时的构建参数

表 4-471 StartPipelineBuildParams

参数	是否必选	参数类型	描述
name	是	String	构建参数名
value	是	String	构建参数值，最大长度为8192

响应参数

状态码： 200

表 4-472 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID
build_id	String	流水线执行ID

状态码： 400

表 4-473 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

启动流水线。指定启动时的运行参数为” ServiceName:pipeline-Test” 和” version:1.0.0” 。

```
{
  "build_params": [ {
    "name": "ServiceName",
    "value": "pipeline-Test"
  }, {
    "name": "version",
    "value": "1.0.0"
  } ]
}
```

响应示例

状态码： 200

OK

```
{
  "pipeline_id": "8025ba36a87a4dd5af496708c2961817",
}
```

```
"build_id" : "23"  
}
```

SDK 代码示例

SDK代码示例如下。

Java

启动流水线。指定启动时的运行参数为” ServiceName: pipeline-Test” 和” version: 1.0.0”。

```
package com.huaweicloud.sdk.test;  
  
import com.huaweicloud.sdk.core.auth.ICredential;  
import com.huaweicloud.sdk.core.auth.BasicCredentials;  
import com.huaweicloud.sdk.core.exception.ConnectionException;  
import com.huaweicloud.sdk.core.exception.RequestTimeoutException;  
import com.huaweicloud.sdk.core.exception.ServiceResponseException;  
import com.huaweicloud.sdk.codeartspipeline.v2.region.CodeArtsPipelineRegion;  
import com.huaweicloud.sdk.codeartspipeline.v2.*;  
import com.huaweicloud.sdk.codeartspipeline.v2.model.*;  
  
import java.util.List;  
import java.util.ArrayList;  
  
public class StartNewPipelineSolution {  
  
    public static void main(String[] args) {  
        // The AK and SK used for authentication are hard-coded or stored in plaintext, which has great  
        // security risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or  
        // environment variables and decrypted during use to ensure security.  
        // In this example, AK and SK are stored in environment variables for authentication. Before running  
        // this example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
        String ak = System.getenv("CLOUD_SDK_AK");  
        String sk = System.getenv("CLOUD_SDK_SK");  
  
        ICredential auth = new BasicCredentials()  
            .withAk(ak)  
            .withSk(sk);  
  
        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()  
            .withCredential(auth)  
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))  
            .build();  
        StartNewPipelineRequest request = new StartNewPipelineRequest();  
        StartPipelineParameters body = new StartPipelineParameters();  
        List<StartPipelineBuildParams> listbodyBuildParams = new ArrayList<>();  
        listbodyBuildParams.add(  
            new StartPipelineBuildParams()  
                .withName("ServiceName")  
                .withValue("pipeline-Test")  
        );  
        listbodyBuildParams.add(  
            new StartPipelineBuildParams()  
                .withName("version")  
                .withValue("1.0.0")  
        );  
        body.withBuildParams(listbodyBuildParams);  
        request.withBody(body);  
        try {  
            StartNewPipelineResponse response = client.startNewPipeline(request);  
            System.out.println(response.toString());  
        } catch (ConnectionException e) {  
            e.printStackTrace();  
        } catch (RequestTimeoutException e) {  
            e.printStackTrace();  
        }
```



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

Python

启动流水线。指定启动时的运行参数为” ServiceName:pipeline-Test” 和” version:1.0.0”。

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = StartNewPipelineRequest()
        listBuildParamsbody = [
            StartPipelineBuildParams(
                name="ServiceName",
                value="pipeline-Test"
            ),
            StartPipelineBuildParams(
                name="version",
                value="1.0.0"
            )
        ]
        request.body = StartPipelineParameters(
            build_params=listBuildParamsbody
        )
        response = client.start_new_pipeline(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

启动流水线。指定启动时的运行参数为” ServiceName:pipeline-Test” 和” version:1.0.0”。

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.StartNewPipelineRequest{}
    var listBuildParamsbody = []model.StartPipelineBuildParams{
        {
            Name: "ServiceName",
            Value: "pipeline-Test",
        },
        {
            Name: "version",
            Value: "1.0.0",
        },
    }
    request.Body = &model.StartPipelineParameters{
        BuildParams: &listBuildParamsbody,
    }
    response, err := client.StartNewPipeline(request)
    if err == nil {
        fmt.Printf("%+v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request

状态码	描述
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.4 停止流水线

功能介绍

停止流水线

调用方法

请参见[如何调用API](#)。

URI

POST /v3/pipelines/{pipeline_id}/stop

表 4-474 路径参数

参数	是否必选	参数类型	描述
pipeline_id	是	String	流水线ID

表 4-475 Query 参数

参数	是否必选	参数类型	描述
build_id	是	String	流水线执行ID

请求参数

表 4-476 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-477 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_name	String	流水线名字

状态码： 400

表 4-478 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
POST https://{endpoint}/v3/pipelines/8025ba36a87a4dd5af496708c2961817/stop?build_id=1
```

响应示例

状态码： 200

OK

```
{  
  "pipeline_id" : "8025ba36a87a4dd5af496708c2961817",  
  "pipeline_name" : "pipeline-23"  
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class StopPipelineNewSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        StopPipelineNewRequest request = new StopPipelineNewRequest();
        request.withBuildId("<build_id>");
        try {
            StopPipelineNewResponse response = client.stopPipelineNew(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

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

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

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

credentials = BasicCredentials(ak, sk)

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

try:
    request = StopPipelineNewRequest()
    request.build_id = "<build_id>"
    response = client.stop_pipeline_new(request)
    print(response)
except exceptions.ClientRequestException as e:
    print(e.status_code)
    print(e.request_id)
    print(e.error_code)
    print(e.error_msg)
```

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.StopPipelineNewRequest{}
    request.BuildId = "<build_id>"
    response, err := client.StopPipelineNew(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.5 批量获取流水线状态

功能介绍

批量获取流水线状态和阶段信息

调用方法

请参见[如何调用API](#)。

URI

GET /v3/pipelines/status

表 4-479 Query 参数

参数	是否必选	参数类型	描述
pipeline_ids	是	String	要获取状态的流水线ID，用逗号隔开

请求参数

表 4-480 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200**表 4-481** 响应 Body 参数

参数	参数类型	描述
[数组元素]	Array of PipelineExecuteStates objects	OK

表 4-482 PipelineExecuteStates

参数	参数类型	描述
result	String	流水线执行结果。取值及含义：success：成功；error：失败；aborted：终止
status	String	流水线执行状态。取值和含义：waiting：等待；running：执行中；verifying：待审核；suspending：挂起；completed：完成
stages	Array of Stages objects	阶段执行情况
executor	String	执行人
pipeline_name	String	流水线名字
pipeline_id	String	流水线ID
build_id	String	流水线执行ID
detail_url	String	流水线详情页URL
modify_url	String	流水线编辑页URL

参数	参数类型	描述
start_time	String	开始执行时间
end_time	String	结束执行时间

表 4-483 Stages

参数	参数类型	描述
result	String	阶段执行结果。取值及含义：success：成功；error：失败；aborted：终止
status	String	阶段执行状态。取值和含义：waiting：等待；running：执行中；verifying：待审核；suspending：挂起；completed：完成
name	String	阶段名字
parameters	Object	阶段运行参数
order	Integer	阶段顺序
dsl_method	String	阶段类型
display_name	String	阶段显示名称

状态码： 400

表 4-484 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
GET https://{endpoint}/v3/pipelines/status?  
pipeline_ids=8025ba36a87a4dd5af496708c2961817,413937e669914f95bed293617886c6c1
```

响应示例

状态码： 200

OK

```
[ {  
  "result": "error",  
  "status": "completed",  
  "stages": [ {  
    "result": "success",
```

```
"status" : "completed",
"name" : "initial",
"parameters" : null,
"order" : 1,
"dsl_method" : "initial",
"display_name" : "源代码"
}, {
  "result" : "success",
  "status" : "completed",
  "name" : "state_3",
  "parameters" : null,
  "order" : 2,
  "dsl_method" : "build",
  "display_name" : "构建"
}],
"executor" : "executor",
"pipeline_name" : "PipelineSvc测试勿删_继续执行",
"pipeline_id" : "92a65e2337174fabdbccda97ab7ffad",
"detail_url" : "https://example.com",
"modify_url" : "https://example.com",
"start_time" : "2022-09-09 00:00:00",
"end_time" : "2022-09-09 00:00:24",
"build_id" : "25"
}]
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class BatchShowPipelinesStatusSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        BatchShowPipelinesStatusRequest request = new BatchShowPipelinesStatusRequest();
        request.withPipelineIds("<pipeline_ids>");
        try {
            BatchShowPipelinesStatusResponse response = client.batchShowPipelinesStatus(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
```

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

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

    try:
        request = BatchShowPipelinesStatusRequest()
        request.pipeline_ids = "<pipeline_ids>"
        response = client.batch_show_pipelines_status(request)
        print(response)
    except exceptions.ClientRequestException as e:
        print(e.status_code)
        print(e.request_id)
        print(e.error_code)
        print(e.error_msg)
```

Go

```
package main

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

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

```
sk := os.Getenv("CLOUD_SDK_SK")

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

client := codeartspipeline.NewCodeArtsPipelineClient(
    codeartspipeline.CodeArtsPipelineClientBuilder().
        WithRegion(region.ValueOf("<YOUR REGION>")).
        WithCredential(auth).
        Build())

request := &model.BatchShowPipelinesStatusRequest{}
request.PipelineIds = "<pipeline_ids>"
response, err := client.BatchShowPipelinesStatus(request)
if err == nil {
    fmt.Printf("%+v\n", response)
} else {
    fmt.Println(err)
}
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.6 删除流水线

功能介绍

根据id删除流水线

调用方法

请参见[如何调用API](#)。

URI

DELETE /v3/pipelines/{pipeline_id}

表 4-485 路径参数

参数	是否必选	参数类型	描述
pipeline_id	是	String	要删除的流水线ID

请求参数

表 4-486 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-487 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_name	String	流水线名字

状态码： 400

表 4-488 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
DELETE https://{endpoint}/v3/pipelines/8025ba36a87a4dd5af496708c2961817
```

响应示例

状态码： 200

OK

```
{
  "pipeline_id" : "eafaff0bf9094d3d8456d13ddd67b40",
  "pipeline_name" : "pipeline-test"
}
```

SDK 代码示例

SDK代码示例如下。

Java

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

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

public class RemovePipelineSolution {

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

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

        CodeArtsPipelineClient client = CodeArtsPipelineClient.newBuilder()
            .withCredential(auth)
            .withRegion(CodeArtsPipelineRegion.valueOf("<YOUR REGION>"))
            .build();
        RemovePipelineRequest request = new RemovePipelineRequest();
        try {
            RemovePipelineResponse response = client.removePipeline(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        } catch (RequestTimeoutException e) {
            e.printStackTrace();
        } catch (ServiceResponseException e) {
            e.printStackTrace();
            System.out.println(e.getHttpStatusCode());
            System.out.println(e.getRequestId());
            System.out.println(e.getErrorCode());
            System.out.println(e.getErrorMsg());
        }
    }
}
```

Python

```
# coding: utf-8

import os
from huaweicloudsdkcore.auth.credentials import BasicCredentials
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion
from huaweicloudsdkcore.exceptions import exceptions
from huaweicloudsdkcodeartspipeline.v2 import *

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

    credentials = BasicCredentials(ak, sk)

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

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

Go

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.RemovePipelineRequest{}
```

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

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.7 获取流水线列表

功能介绍

获取流水线列表接口

调用方法

请参见[如何调用API](#)。

URI

POST /v3/pipelines/list

请求参数

表 4-489 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token，通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

表 4-490 请求 Body 参数

参数	是否必选	参数类型	描述
pipeline_name	否	String	流水线名字。查询时进行模糊匹配。
project_ids	否	String	项目id，有多个值时用逗号分隔，id个数取值[0,10]，非必选。如果该参数有值，则获取对应项目下的流水线列表；如果没有值，则获取用户有权限的所有项目的流水线列表
creator_ids	否	String	创建人id，有多个值时用逗号分隔，id个数取值[0,10]，非必选
executor_ids	否	String	执行人id。有多个值时用逗号分隔，id个数取值[0,10]，非必选
status	否	String	流水线运行状态。取值和含义:waiting:等待;running:执行中;verifying:待审核;suspending:挂起;completed:完成
outcome	否	String	流水线执行结果。取值及含义: success: 成功; error: 失败; aborted: 终止
sort_key	否	String	用于排序的字段。取值为: pipeline_name,create_time,start_time
sort_dir	否	String	排序方式。asc按排序字段升序，desc按排序字段降序
git_url	否	String	代码仓地址。仅支持codehub仓库，如: git@codehub.XXX.git
offset	否	Integer	偏移量。表示从此偏移量开始查询，offset大于等于0，默认取值为0

参数	是否必选	参数类型	描述
limit	否	Integer	每次查询的条目数量。取值 [10-50]，默认取值为10

响应参数

状态码： 200

表 4-491 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移量,表示从此偏移量开始查询,offset大于等于0
limit	Integer	每次查询的条目数量
total	Integer	总条目数量
result	Array of PipelineBasicInfo objects	流水线列表

表 4-492 PipelineBasicInfo

参数	参数类型	描述
project_id	String	项目id
project_name	String	项目名称
pipeline_id	String	流水线id
pipeline_name	String	流水线名称
creator_id	String	流水线创建人id
creator_name	String	流水线创建人名字
executor_id	String	流水线执行人id
executor_name	String	流水线执行人名字
start_time	String	启动时间
create_time	String	创建时间
watched	String	用户是否关注流水线: true (关注), false (未关注)

状态码： 400

表 4-493 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

获取流水线列表。指定查询的项目ID为”e12ed176898d4841aa9881fe9b933c87”，创建人ID为”847a5317086c41798469d0868535943a”，并根据流水线名称降序排序。

POST https://{endpoint}/v3/pipelines/list

```
{
  "pipeline_name": "",
  "project_ids": "e12ed176898d4841aa9881fe9b933c87",
  "creator_ids": "847a5317086c41798469d0868535943a",
  "executor_ids": "847a5317086c41798469d0868535943a",
  "status": "waiting,running,verifying,handling,suspending,completed",
  "outcome": "error,success,aborted",
  "sort_key": "pipeline_name",
  "sort_dir": "desc",
  "git_url": "",
  "offset": 4,
  "limit": 10
}
```

响应示例

状态码： 200

OK

```
{
  "offset": 0,
  "limit": 10,
  "total": 88,
  "result": [ {
    "project_id": "e12ed176898d4841aa9881fe9b933c87",
    "project_name": "Pipeline_Beta_自动测试",
    "pipeline_id": "d33f98177c3e44f8841b005e1badcaed",
    "pipeline_name": "马云多仓",
    "creator_id": "847a5317086c41798469d0868535943a",
    "creator_name": "大Beta测试账号",
    "executor_id": "847a5317086c41798469d0868535943a",
    "executor_name": "大Beta测试账号",
    "start_time": "2022-09-08 17:08:02",
    "create_time": "2022-07-28 17:02:11",
    "watched": "true"
  }, {
    "project_id": "e12ed176898d4841aa9881fe9b933c87",
    "project_name": "Pipeline_Beta_自动测试",
    "pipeline_id": "2ec08a45031c4d2896292a48b7fb1a30",
    "pipeline_name": "门禁专用测试_勿删",
    "creator_id": "847a5317086c41798469d0868535943a",
    "creator_name": "大Beta测试账号",
    "executor_id": "847a5317086c41798469d0868535943a",

```

```
"executor_name": "大Beta测试账号",
"start_time": "2022-09-08 16:52:03",
"create_time": "2020-10-29 17:05:02",
"watched": "true"
}]
}
```

SDK 代码示例

SDK代码示例如下。

Java

获取流水线列表。指定查询的项目ID为”e12ed176898d4841aa9881fe9b933c87”，创建人ID为”847a5317086c41798469d0868535943a”，并根据流水线名称降序排序。

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

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

public class ListPipelineSimpleInfoSolution {

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

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

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

        ListPipelineSimpleInfoRequest request = new ListPipelineSimpleInfoRequest();
        ListPipelineSimpleInfoRequestBody body = new ListPipelineSimpleInfoRequestBody();
        body.withLimit(10);
        body.withOffset(4);
        body.withGitUrl("");
        body.withSortDir("desc");
        body.withSortKey("pipeline_name");
        body.withOutcome("error,success,aborted");
        body.withStatus("waiting,running,verifying,handling,suspending,completed");
        body.withExecutorIds("847a5317086c41798469d0868535943a");
        body.withCreatorIds("847a5317086c41798469d0868535943a");
        body.withProjectIds("e12ed176898d4841aa9881fe9b933c87");
        body.withPipelineName("");
        request.withBody(body);
        try {
            ListPipelineSimpleInfoResponse response = client.listPipelineSimpleInfo(request);
            System.out.println(response.toString());
        } catch (ConnectionException e) {
            e.printStackTrace();
        }
    }
}
```

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

Python

获取流水线列表。指定查询的项目ID为”e12ed176898d4841aa9881fe9b933c87”，创建人ID为”847a5317086c41798469d0868535943a”，并根据流水线名称降序排序。

```
# coding: utf-8  
  
import os  
from huaweicloudsdkcore.auth.credentials import BasicCredentials  
from huaweicloudsdkcodeartspipeline.v2.region.codeartspipeline_region import CodeArtsPipelineRegion  
from huaweicloudsdkcore.exceptions import exceptions  
from huaweicloudsdkcodeartspipeline.v2 import *  
  
if __name__ == "__main__":  
    # The AK and SK used for authentication are hard-coded or stored in plaintext, which has great security  
    # risks. It is recommended that the AK and SK be stored in ciphertext in configuration files or environment  
    # variables and decrypted during use to ensure security.  
    # In this example, AK and SK are stored in environment variables for authentication. Before running this  
    # example, set environment variables CLOUD_SDK_AK and CLOUD_SDK_SK in the local environment  
    ak = os.environ["CLOUD_SDK_AK"]  
    sk = os.environ["CLOUD_SDK_SK"]  
  
    credentials = BasicCredentials(ak, sk)  
  
    client = CodeArtsPipelineClient.new_builder() \  
        .with_credentials(credentials) \  
        .with_region(CodeArtsPipelineRegion.value_of("<YOUR REGION>")) \  
        .build()  
  
    try:  
        request = ListPipelineSimpleInfoRequest()  
        request.body = ListPipelineSimpleInfoRequestBody(  
            limit=10,  
            offset=4,  
            git_url="",  
            sort_dir="desc",  
            sort_key="pipeline_name",  
            outcome="error,success,aborted",  
            status="waiting,running,verifying,handling,suspending,completed",  
            executor_ids="847a5317086c41798469d0868535943a",  
            creator_ids="847a5317086c41798469d0868535943a",  
            project_ids="e12ed176898d4841aa9881fe9b933c87",  
            pipeline_name=""  
        )  
        response = client.list_pipeline_simple_info(request)  
        print(response)  
    except exceptions.ClientRequestException as e:  
        print(e.status_code)  
        print(e.request_id)  
        print(e.error_code)  
        print(e.error_msg)
```

Go

获取流水线列表。指定查询的项目ID为”e12ed176898d4841aa9881fe9b933c87”，创建人ID为”847a5317086c41798469d0868535943a”，并根据流水线名称降序排序。

```
package main

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

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

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

    client := codeartspipeline.NewCodeArtsPipelineClient(
        codeartspipeline.CodeArtsPipelineClientBuilder().
            WithRegion(region.ValueOf("<YOUR REGION>")).
            WithCredential(auth).
            Build())

    request := &model.ListPipelineSimpleInfoRequest{
        limitListPipelineSimpleInfoRequestBody:= int32(10)
        offsetListPipelineSimpleInfoRequestBody:= int32(4)
        gitUrlListPipelineSimpleInfoRequestBody:= ""
        sortDirListPipelineSimpleInfoRequestBody:= "desc"
        sortKeyListPipelineSimpleInfoRequestBody:= "pipeline_name"
        outcomeListPipelineSimpleInfoRequestBody:= "error,success,aborted"
        statusListPipelineSimpleInfoRequestBody:= "waiting,running,verifying,handling,suspending,completed"
        executorIdsListPipelineSimpleInfoRequestBody:= "847a5317086c41798469d0868535943a"
        creatorIdsListPipelineSimpleInfoRequestBody:= "847a5317086c41798469d0868535943a"
        projectIdsListPipelineSimpleInfoRequestBody:= "e12ed176898d4841aa9881fe9b933c87"
        pipelineNameListPipelineSimpleInfoRequestBody:= ""
    }
    request.Body = &model.ListPipelineSimpleInfoRequestBody{
        Limit: &limitListPipelineSimpleInfoRequestBody,
        Offset: &offsetListPipelineSimpleInfoRequestBody,
        GitUrl: &gitUrlListPipelineSimpleInfoRequestBody,
        SortDir: &sortDirListPipelineSimpleInfoRequestBody,
        SortKey: &sortKeyListPipelineSimpleInfoRequestBody,
        Outcome: &outcomeListPipelineSimpleInfoRequestBody,
        Status: &statusListPipelineSimpleInfoRequestBody,
        ExecutorIds: &executorIdsListPipelineSimpleInfoRequestBody,
        CreatorIds: &creatorIdsListPipelineSimpleInfoRequestBody,
        ProjectIds: &projectIdsListPipelineSimpleInfoRequestBody,
        PipelineName: &pipelineNameListPipelineSimpleInfoRequestBody,
    }
    response, err := client.ListPipelineSimpleInfo(request)
    if err == nil {
        fmt.Printf("%v\n", response)
    } else {
        fmt.Println(err)
    }
}
```

更多

更多编程语言的SDK代码示例，请参见[API Explorer](#)的代码示例页签，可生成自动对应的SDK代码示例。

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

4.9.8 获取流水线状态

功能介绍

获取流水线状态,阶段及任务信息

调用方法

请参见[如何调用API](#)。

URI

GET /v3/pipelines/{pipeline_id}/status

表 4-494 路径参数

参数	是否必选	参数类型	描述
pipeline_id	是	String	要获取状态的流水线ID

表 4-495 Query 参数

参数	是否必选	参数类型	描述
build_id	否	String	要获取状态的执行ID

请求参数

表 4-496 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	是	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-497 响应 Body 参数

参数	参数类型	描述
pipeline_id	String	流水线ID
pipeline_name	String	流水线名称
executor	String	执行人
build_id	String	流水线执行ID
start_time	String	开始执行时间
end_time	String	结束执行时间
parameters	Array of PipelineParameter objects	流水线参数
states	Array of PipelineStatus objects	流水线执行情况
elapsed_time	String	执行耗时
status	String	流水线运行状态.取值和含义:waiting:等待;running:执行中;verifying:待审核;suspending:挂起;completed:完成
outcome	String	流水线执行结果。取值及含义: success: 成功; error: 失败; aborted: 终止
detail_url	String	流水线详情页地址

表 4-498 PipelineParameter

参数	参数类型	描述
name	String	参数名称
value	String	参数值

表 4-499 PipelineStateStatus

参数	参数类型	描述
id	String	阶段或任务标识
name	String	阶段或任务名称
type	String	类别(阶段/任务)
start_time	String	执行开始时间
end_time	String	执行结束时间
elapsed_time	String	运行耗时
status	String	运行状态.取值和含义:waiting:等待;running:执行中;verifying:待审核;suspending:挂起;completed:完成
outcome	String	运行结果。取值及含义: success: 成功; error: 失败; aborted: 终止
error_code	String	错误码
error_msg	String	错误信息
children	Array of PipelineStateStatus objects	子任务运行信息(对任务来说是空的)
detail_url	String	任务运行记录跳转链接

状态码: 400

表 4-500 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
GET https://{endpoint}/v3/pipelines/8025ba36a87a4dd5af496708c2961817/status?build_id=2
```

响应示例

状态码: 200

OK

```
{
  "executor": null,
  "status": null,
  "outcome": null,
  "pipeline_id": "75c562a081574ff28224fb2c123a0643",
  "pipeline_name": "pipeline-1185523_Cx2Ur",
  "build_id": null,
  "start_time": "2022-04-01 19:44:16",
  "end_time": null,
  "elapsed_time": null,
  "detail_url": "https://example.com",
  "parameters": [ {
    "name": "seviceName",
    "value": "pipeline-23"
  }, {
    "name": "codeBranch",
    "value": "master"
  } ],
  "states": [ {
    "id": "state_4",
    "name": "构建",
    "type": "stage",
    "status": null,
    "outcome": null,
    "children": [ {
      "id": "Task_1",
      "name": "人工审核",
      "type": "task",
      "status": null,
      "outcome": null,
      "start_time": null,
      "end_time": null,
      "elapsed_time": null,
      "error_code": null,
      "error_msg": null,
      "detail_url": null
    } ],
    "start_time": null,
    "end_time": null,
    "elapsed_time": null
  } ]
}
```

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden

状态码	描述
404	Not Found

错误码

请参见[错误码](#)。

4.9.9 获取项目下流水线执行状况

功能介绍

获取项目下流水线执行状况

调用方法

请参见[如何调用API](#)。

URI

GET /v3/pipelines/build-result

表 4-501 Query 参数

参数	是否必选	参数类型	描述
project_id	是	String	项目id
start_date	是	String	起始日期,起始日期和结束日期间隔不超过一个月, 查询包含起始日期
end_date	是	String	结束日期, 起始日期和结束日期间隔不超过一个月, 查询包含结束日期
offset	是	Integer	偏移量,表示从此偏移量开始查询,offset大于等于0
limit	是	Integer	每次查询的条目数量

请求参数

表 4-502 请求 Header 参数

参数	是否必选	参数类型	描述
X-Auth-Token	否	String	用户Token。 通过调用IAM服务获取用户Token接口获取（响应消息头中X-Subject-Token的值）。

响应参数

状态码： 200

表 4-503 响应 Body 参数

参数	参数类型	描述
offset	Integer	偏移量,表示从此偏移量开始查询,offset大于等于0
limit	Integer	每次查询的条目数量
total	Integer	总条目数量
build_results	Array of PipelineBuild Result objects	执行状况数据列表

表 4-504 PipelineBuildResult

参数	参数类型	描述
build_id	String	流水线执行ID
elapse_time	String	运行耗时, 单位为毫秒
end_time	String	执行结束时间
outcome	String	运行结果。取值及含义: success: 成功; error: 失败; aborted: 终止
pipeline_id	String	流水线id
pipeline_name	String	流水线名称
start_time	String	执行开始时间
status	String	运行状态。取值及含义: waiting: 等待中; running: 运行中; verifying:待审核; suspending: 挂起; completed: 执行完成

状态码： 400

表 4-505 响应 Body 参数

参数	参数类型	描述
error_msg	String	错误信息
error_code	String	错误码

请求示例

```
GET https://{endpoint}/v3/pipelines/build-result?
project_id=8025ba36a87a4885af496708c2961817&start_date=2020-07-01&end_date=2020-07-31&offset=0&
limit=10
```

响应示例

状态码： 200

OK

```
{
  "offset" : 0,
  "limit" : 10,
  "total" : 29,
  "build_results" : [ {
    "status" : "completed",
    "outcome" : "success",
    "pipeline_id" : "fbc06e5655764f049f4d988bd2941279",
    "pipeline_name" : "接口测试流水线_YN961241",
    "build_id" : "12",
    "start_time" : "2021-08-10 00:00:01",
    "end_time" : "2021-08-10 00:00:02",
    "elapsed_time" : "917"
  } ]
}
```

状态码

状态码	描述
200	OK
400	Bad request
401	Unauthorized
403	Forbidden
404	Not Found

错误码

请参见[错误码](#)。

5 应用示例

5.1 示例 1: 执行流水线

场景描述

本章将指导您通过API执行流水线任务。
API的调用方法请参见[3-如何调用API](#)。

约束限制

待执行流水线任务已经在流水线服务中创建。

涉及接口

通过用户token、流水线id等请求参数[启动流水线](#)。

操作步骤

步骤1 执行流水线任务。

- 接口信息

URI: POST /v3/pipelines/{pipeline_id}/start

API文档详情请参见: [启动流水线](#)。

API Explorer在线调试请参见: [启动流水线](#)。

- 请求示例

```
POST https://cloudpipeline-ext.cn-north-1.myhuaweicloud.com/v3/pipelines/{pipeline_id}/start
```

- 请求体示例

```
{
```

- 响应示例

```
{  
  "build_id": "xxx",  
  "pipeline_id": "824e784b3f43492e99152a....."  
}
```

----结束

5.2 示例 2：停止流水线

场景描述

本章将指导您通过API根据流水线ID停止流水线任务。
API的调用方法请参见[4.2.5如何调用API](#)。

约束限制

已有流水线，并且流水线正在执行中。

涉及接口

通过用户token、流水线id[停止流水线](#)。

操作步骤

步骤1 查看项目下构建任务列表。

- 接口信息

URI: POST /v3/pipelines/stop

API文档详情请参见：[停止流水线](#)。

API Explorer在线调试请参见：[停止流水线](#)。

- 请求示例

```
https://cloudpipeline-ext.cn-north-1.myhuaweicloud.com/v3/pipelines/stop?
pipeline_id=824e784b3f43492e99152a.....
```

- 请求体示例

```
{}
```

- 响应示例

```
{
  "result": {
    "name": "pipeline-test",
    "pipelineId": "e9bdc806955e48368e3ecbcdf2...."
  },
  "error": null,
  "status": "success"
}
```

----结束

5.3 示例 3：获取流水线状态

场景描述

本章将指导您通过API获取流水线状态。
API的调用方法请参见[3-如何调用API](#)。

约束限制

流水线任务已经在流水线服务中创建。

涉及接口

通过用户token、流水线id等请求参数[获取流水线状态](#)。

操作步骤

步骤1 查询流水线任务执行状态。

- 接口信息

URI: POST v3/pipelines/{pipeline_id}/status

API文档详情请参见：[获取流水线状态](#)。

API Explorer在线调试请参见：[获取流水线状态](#)。

- 请求示例

GET https://cloudpipeline-ext.cn-north-1.myhuaweicloud.com/v3/pipelines/{pipeline_id}/status

- 响应示例

```
{
  "executor": "xxx",
  "status": "completed",
  "outcome": "success",
  "parameters": [
    {
      "name": "serviceName",
      "value": "test测试"
    },
    {
      "name": "codeBranch",
      "value": "master"
    },
    {
      "name": "releaseVersion",
      "value": "1.0.0"
    }
  ],
  "states": [
    {
      "id": "state_3",
      "name": "源代码",
      "type": "stage",
      "status": "completed",
      "outcome": "success",
      "children": [],
      "start_time": "2020-09-01 17:13:18",
      "end_time": "2020-09-01 17:13:18",
      "elapsed_time": "0"
    },
    {
      "id": "state_4",
      "name": "构建",
      "type": "stage",
      "status": "completed",
      "outcome": "success",
      "children": [
        {
          "id": "Task_1",
          "name": "默认任务",
          "type": "task",
          "status": "completed",
          "outcome": "success",
          "start_time": "2020-09-01 17:13:18",
          "end_time": "2020-09-01 17:16:22",
          "elapsed_time": "183",
          "error_code": null,
          "error_msg": null,
          "detail_url": null
        }
      ]
    }
  ]
}
```



```
    }
  ],
  "start_time": "2020-09-01 17:13:18",
  "end_time": "2020-09-01 17:16:22",
  "elapsed_time": "183"
},
{
  "id": "state_5",
  "name": "发布仓库",
  "type": "stage",
  "status": "completed",
  "outcome": "success",
  "children": [],
  "start_time": "2020-09-01 17:16:22",
  "end_time": "2020-09-01 17:16:22",
  "elapsed_time": "0"
}
],
"pipeline_id": "824e784b3f43492e99152a4....",
"pipeline_name": "pipeline_测试",
"build_id": "xxxx",
"start_time": "2020-09-01 17:13:18",
"end_time": "2020-09-01 17:16:22",
"elapsed_time": "184",
"detail_url": "https://xxxxxx/pipeline/detail/824e784b3f43492e99152a...."
}
```

----结束

6 附录

6.1 状态码

表 6-1 状态码

状态码	编码	错误码说明
100	Continue	继续请求。 这个临时响应用来通知客户端，它的部分请求已经被服务器接收，且仍未被拒绝。
101	Switching Protocols	切换协议。只能切换到更高级的协议。 例如，切换到HTTP的新版本协议。
201	Created	创建类的请求完全成功。
202	Accepted	已经接受请求，但未处理完成。
203	Non-Authoritative Information	非授权信息，请求成功。
204	NoContent	请求完全成功，同时HTTP响应不包含响应体。 在响应OPTIONS方法的HTTP请求时返回此状态码。
205	Reset Content	重置内容，服务器处理成功。
206	Partial Content	服务器成功处理了部分GET请求。
300	Multiple Choices	多种选择。请求的资源可包括多个位置，相应可返回一个资源特征与地址的列表用于用户终端（例如：浏览器）选择。
301	Moved Permanently	永久移动，请求的资源已被永久的移动到新的URI，返回信息会包括新的URI。
302	Found	资源被临时移动。

状态码	编码	错误码说明
303	See Other	查看其它地址。 使用GET和POST请求查看。
304	Not Modified	所请求的资源未修改，服务器返回此状态码时，不会返回任何资源。
305	Use Proxy	所请求的资源必须通过代理访问。
306	Unused	已经被废弃的HTTP状态码。
400	BadRequest	非法请求。 建议直接修改该请求，不要重试该请求。
401	Unauthorized	在客户端提供认证信息后，返回该状态码，表明服务端指出客户端所提供的认证信息不正确或非法。
402	Payment Required	保留请求。
403	Forbidden	请求被拒绝访问。 返回该状态码，表明请求能够到达服务端，且服务端能够理解用户请求，但是拒绝做更多的事情，因为该请求被设置为拒绝访问，建议直接修改该请求，不要重试该请求。
404	NotFound	所请求的资源不存在。 建议直接修改该请求，不要重试该请求。
405	MethodNotAllowed	请求中带有该资源不支持的方法。 建议直接修改该请求，不要重试该请求。
406	Not Acceptable	服务器无法根据客户端请求的内容特性完成请求。
407	Proxy Authentication Required	请求要求代理的身份认证，与401类似，但请求者应当使用代理进行授权。
408	Request Time-out	服务器等候请求时发生超时。 客户端可以随时再次提交该请求而无需进行任何更改。
409	Conflict	服务器在完成请求时发生冲突。 返回该状态码，表明客户端尝试创建的资源已经存在，或者由于冲突请求的更新操作不能被完成。
410	Gone	客户端请求的资源已经不存在。 返回该状态码，表明请求的资源已被永久删除。
411	Length Required	服务器无法处理客户端发送的不带Content-Length的请求信息。
412	Precondition Failed	未满足前提条件，服务器未满足请求者在请求中设置的其中一个前提条件。

状态码	编码	错误码说明
413	Request Entity Too Large	由于请求的实体过大，服务器无法处理，因此拒绝请求。为防止客户端的连续请求，服务器可能会关闭连接。如果只是服务器暂时无法处理，则会包含一个Retry-After的响应信息。
414	Request-URI Too Large	请求的URI过长（URI通常为网址），服务器无法处理。
415	Unsupported Media Type	服务器无法处理请求附带的媒体格式。
416	Requested range not satisfiable	客户端请求的范围无效。
417	Expectation Failed	服务器无法满足Expect的请求头信息。
422	Unprocessable Entity	请求格式正确，但是由于含有语义错误，无法响应。
429	Too Many Requests	表明请求超出了客户端访问频率的限制或者服务端接收到多于它能处理的请求。建议客户端读取相应的Retry-After首部，然后等待该首部指出的时间后再重试。
500	InternalServerError	表明服务端能被请求访问到，但是不能理解用户的请求。
501	Not Implemented	服务器不支持请求的功能，无法完成请求。
502	Bad Gateway	充当网关或代理的服务器，从远端服务器接收到了一个无效的请求。
503	Service Unavailable	被请求的服务无效。 建议直接修改该请求，不要重试该请求。
504	Server Timeout	请求在给定的时间内无法完成。客户端仅在为请求指定超时（Timeout）参数时会得到该响应。
505	HTTP Version not supported	服务器不支持请求的HTTP协议的版本，无法完成处理。

6.2 错误码

调用接口出错后，将不会返回结果数据。调用方可根据每个接口对应的错误码来定位错误原因。

当调用出错时，HTTP请求返回一个4xx或5xx的HTTP状态码。返回的消息体中是具体的错误代码及错误信息。

在调用方找不到错误原因时，可以联系华为云客服，并提供错误码，以便我们尽快帮您解决问题。

错误响应 Body 体格式说明

当接口调用出错时，会返回错误码及错误信息说明，错误响应的Body体格式如下所示。

```
{
  "error_msg": "Insufficient permission",
  "error_code": "DEVCP.00014031"
}
```

其中，**error_code**表示错误码，**error_msg**表示错误描述信息。

错误码说明

当您调用API时，如果遇到“APIGW”开头的错误码，请参见[API网关错误码](#)进行处理。

更多服务错误码请参见[API错误中心](#)。

状态码	错误码	错误信息	描述	处理措施
200	DEVCP.00014031	权限不足	无创建流水线权限	检查是否有创建流水线权限
200	DEVCP.00012002	数据库中不存在相关记录	instanceId在数据库中不存在	检查请求参数instanceId是否正确
500	DEVCP.00010000	未知服务异常	系统内部异常	联系管理员
200	DEVCP.00014004	参数不合法	请求参数或请求体格式不合法	检查请求参数或请求体
400	DEVCP.00021400	请求参数有误，请检查!	请求参数有误，请检查!	检查请求参数是否有误或不合法
400	DEVCP.00021008	不支持该服务的模板	不支持该服务的模板	检查参数是否正确
400	DEVCP.00021006	模板不存在	数据库中该模板不存在	检查模板id是否正确
401	DEVCP.00021018	用户没有该操作权限	用户没有创建权限	检查是否有创建权限
500	DEVCP.00020500	网络繁忙，请稍后重试	系统异常	联系管理员
500	COCT.0070003	访问太频繁，请稍等	访问太频繁，请稍等	访问太频繁，请稍等
500	COCT.0070500	网络繁忙，请稍后重试	网络繁忙，请稍后重试	网络繁忙，请稍后重试
400	COCT.0070026	该Agent已经存在，请检查状态	该Agent已经存在，请检查状态	该Agent已经存在，请检查状态

状态码	错误码	错误信息	描述	处理措施
404	COCT.007 0010	资源池不存在	注册Agent选择的资源池不存在	注册Agent选择的资源池不存在, 请检查资源池是否存在
404	COCT.007 0040	当前Agent版本, 不是最新版本	当前Agent版本不是最新版本	当前Agent版本不是最新版本
401	COCT.007 0009	操作权限不足	所选择资源池中没 有, 操作权限, 请 联系资源池管理者 增加权限	所选择资源池中没 有, 操作权限, 请联 系资源池管理者增加 权限
400	COCT.007 0037	label参数不合法	label参数不合法	label参数不合法, 请按照规范填写
500	COCT.007 0006	注册Agent失败, 请稍后再试	注册Agent失败,请 稍后再试	注册Agent失败,请稍 后再试
400	COCT.007 0026	该Agent已经存在, 请检查状态	所注册的Agent已 经存在, 请在所在 资源池中检查	所注册的Agent已经 存在, 请在所在资源 池中检查
400	COCT.007 0038	超过租户最大资源 池数	超过租户最大资源 池数	超过租户最大资源池 数, 请检查当前租户 的资源池数
400	COCT.007 0039	超过资源池中最大 Agent数	超过资源池中最大 Agent数	超过资源池中最大 Agent数, 请检查当 前资源池中的agent 数
500	COCT.007 0008	删除Agent失败	删除Agent失败	删除Agent失败, 请 查看是否已经不存在
500	COCT.007 0019	访问CC服务失败	访问CC服务失败, 请稍后重试!	访问CC服务失败, 请稍后重试!
400	COCT.007 0400	资源池id仅支持 数字、字母字符 (32字符)	资源池id仅支持数 字、字母字符(32 字符)	资源池id仅支持数 字、字母字符(32字 符), 请按规范填写
400	COCT.007 0400	Agent名称仅支持 数字、字母, _- 字符(1-50字符)	Agent名称仅支持 数字、字母, _-字 符(1-50字符)	Agent名称仅支持数 字、字母, _-字符 (1-50字符), 请按 规范填写
404	COCT.007 0007	Agent已经被删 除, 不存在	Agent已经被删 除, 不存在	Agent已经被删除, 不存在, 请检查
400	COCT.007 0021	该Agent已经下 线, 请重新注册	该Agent已经下 线, 请重新注册	该Agent已经下线, 请重新注册
200	DEVPIPE.0 0011104	单条流水线最大 并发数为{0}条	单条流水线最大并 发数为{0}条	单条流水线最大并发 数为{0}条

状态码	错误码	错误信息	描述	处理措施
200	DEVPIPE.0011105	租户下流水线最大并发数为{0}条	租户下流水线最大并发数为{0}条	租户下流水线最大并发数为{0}条
200	DEVPIPE.0011127	系统繁忙, 请稍后再试	系统繁忙, 请稍后再试	联系管理员
200	DEVPIPE.0011129	选择任务不能为空	选择任务不能为空	请检查任务参数是否正确
200	DEVPIPE.0011132	选择的任务不存在	选择的任务不存在	选择的任务不存在
200	DEVPIPE.0011301	当前用户无操作权限	当前用户无操作权限	检查是否有操作权限
200	DEVPIPE.0011401	流水线不存在	流水线不存在	流水线不存在
200	DEVPIPE.0011408	流水线正在运行中	流水线正在运行中, 不可删除	等待流水线运行结束

6.3 获取项目 ID

调用 API 获取项目 ID

项目ID还用通过调用[查询指定条件下的项目信息](#)API获取。

获取项目ID的接口为“GET https://{Endpoint}/v3/projects/”，其中{Endpoint}为IAM的终端节点，可以从[终端节点](#)获取。接口的认证鉴权请参见[认证鉴权](#)。

响应示例如下，其中projects下的“id”即为项目ID。

```
{
  "projects": [
    {
      "domain_id": "65382450e8f64ac0870cd180d14e684b",
      "is_domain": false,
      "parent_id": "65382450e8f64ac0870cd180d14e684b",
      "name": "cn-north-4",

      "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"
  }
}
```

```
}  
}
```

从控制台获取项目 ID

在调用接口的时候，部分URL中需要填入项目编号，所以需要获取到项目编号。项目编号获取步骤如下：

1. 登录管理控制台。
2. 鼠标悬停在右上角的用户名，在下拉列表中单击“我的凭证”。进入“我的凭证 > API凭证”页面，在项目列表中查看项目ID。

图 6-1 查看项目 ID



说明

多项目时，展开“所属区域”，从“项目ID”列获取子项目ID。

6.4 获取账号 ID

在调用接口的时候，部分URL中需要填入账号ID，所以需要先在管理控制台上获取到账号ID。账号ID获取步骤如下：

1. 登录管理控制台。
2. 鼠标悬停在右上角的用户名，在下拉列表中单击“我的凭证”。进入“我的凭证 > API凭证”页面，即可查看账号ID。

7 文档修订记录

文档修订记录累积了每次文档更新的说明。最新版本的文档包含以前所有文档版本的更新内容。

修订记录	发布日期
第三十七次正式发布，本次变更说明如下： 参数必填字段排查更新、参数描述优化。	2024-06-20
第三十六次正式发布，本次变更说明如下： 新增 修改流水线信息 接口。 刷新终端节点。	2024-06-14
第三十五次正式发布，本次变更说明如下： 查询流水线详情 参数更新。 新增接口： 获取流水线步骤执行输出 、 查询流水线上的构建产物 。	2024-03-06
第三十四次正式发布，本次变更说明如下： 下线租户级开源治理策略管理和项目级开源治理策略管理相关接口	2024-01-05
第三十三次正式发布，本次变更说明如下： <ul style="list-style-type: none">● 查询流水线详情响应示例更新。● 获取流水线状态/获取流水线执行详情响应参数类型更新。	2023-12-22
第三十二次正式发布，本次变更说明如下： 新增 查询流水线详情 接口。	2023-12-15
第三十一次正式发布，本次变更说明如下： 新增 查询流水线日志 接口。	2023-12-06

修订记录	发布日期
第三十次正式发布，本次变更说明如下： 新增如下接口： <ul style="list-style-type: none">● 规则管理。● 租户级策略管理。● 项目级策略管理。● 扩展插件管理。	2023-11-21
第二十九次正式发布，本次变更说明如下： 新增 分组管理 相关接口。	2023-11-13
第二十八次正式发布，本次变更说明如下： 创建流水线 接口参数类型更新。	2023-11-08
第二十七次正式发布，本次变更说明如下： <ul style="list-style-type: none">● 新增接口：创建流水线、重试运行流水线、通过人工审核、驳回人工审核。● 获取流水线列表/获取项目下流水线执行状况接口新增“project_name”参数。	2023-11-02
第二十六次正式发布，本次变更说明如下： <ul style="list-style-type: none">● 获取流水线列表/获取项目下流水线执行状况接口参数类型更新。● 基于模板创建流水线接口新增variables参数。	2023-10-27
第二十五次正式发布，本次变更说明如下： 获取流水线列表/获取项目下流水线执行状况 接口请求描述优化。	2023-10-08
第二十四次正式发布，本次变更说明如下： 优化参数描述。	2023-9-26
第二十三次正式发布，本次变更说明如下： 优化请求示例描述。	2023-6-16
第二十二次正式发布，本次变更说明如下： 删除X-Language请求参数。	2023-05-19
第二十一次正式发布，本次变更说明如下： 查询模板列表 接口请求参数更新。	2023-05-08
第二十次正式发布，本次变更说明如下： 优化接口参数描述。	2023-05-05
第十九次正式发布，本次变更说明如下： <ul style="list-style-type: none">● 新增规则管理相关接口。● 新增基于模板创建流水线接口。	2023-04-21

修订记录	发布日期
第十八次正式发布，本次变更说明如下： 批量获取流水线状态 和 获取流水线状态/获取流水线执行详情 接口功能介绍优化。	2023-04-04
第十七次正式发布，本次变更说明如下： 更新接口请求示例和响应示例。	2023-03-07
第十六次正式发布，本次变更说明如下： <ul style="list-style-type: none">新增分组管理相关接口。新增八个错误码。	2023-02-24
第十五次正式发布，本次变更说明如下： 下线接口：创建流水线、编辑流水线、执行流水线和Webhook触发流水线。	2022-11-21
第十四次正式发布，本次变更说明如下： 新增接口：创建流水线、编辑流水线、执行流水线和Webhook触发流水线。	2022-11-08
第十三次正式发布，本次变更说明如下： 下线资源池管理相关接口：register注册Slave接口和Agent状态查询。	2022-09-20
第十二次正式发布，本次变更说明如下： 补充接口请求示例和响应示例。	2022-09-13
第十一次正式发布，本次变更说明如下： 查询模板列表、查询模板详情、基于模板快速创建流水线及流水线内任务和检查流水线创建状态接口新增待下线标记。	2022-05-18
第十次正式发布，本次变更说明如下： 批量获取流水线状态、获取流水线状态和获取项目下流水线执行状况接口响应参数更新。	2021-03-16
第九次正式发布，本次变更说明如下： 基于模板快速创建流水线及流水线内任务和批量获取流水线状态接口请求参数更新。	2021-09-27
第八次正式发布，本次变更说明如下： <ul style="list-style-type: none">新增获取流水线列表接口。查询模板列表和查询模板详情接口响应参数更新。基于模板快速创建流水线及流水线内任务接口请求参数及响应参数更新。	2021-07-27

修订记录	发布日期
<p>第七次正式发布，本次变更说明如下：</p> <ul style="list-style-type: none"> ● 查询模板列表和查询模板详情接口响应参数更新。 ● 基于模板快速创建流水线及流水线内任务接口请求参数更新。 	2021-06-22
<p>第六次正式发布，本次变更说明如下：</p> <ul style="list-style-type: none"> ● 新增批量获取流水线状态和获取项目下流水线执行状况接口。 ● 查询模板详情接口响应参数更新。 	2021-05-27
<p>第五次正式发布，本次变更说明如下：</p> <ul style="list-style-type: none"> ● 基于模板快速创建流水线及流水线内任务接口请求示例新增flow、workflow、states参数。 	2020-12-31
<p>第五次正式发布，本次变更说明如下：</p> <ul style="list-style-type: none"> ● 查询模板列表接口响应参数region描述信息优化。 ● 查询模板详情接口删除“template_url”响应参数。 	2020-12-01
<p>第四次正式发布，本次变更说明如下：</p> <ul style="list-style-type: none"> ● 新增应用示例。 ● 更新启动流水线和获取流水线状态接口。 	2020-09-02
<p>第三次正式发布，本次变更说明如下：</p> <ul style="list-style-type: none"> ● 新增如下接口： <ul style="list-style-type: none"> - 查询模板列表。 - 查询模板详情。 - 基于模板快速创建流水线及流水线内任务。 - 检查流水线创建状态。 - 删除流水线。 ● 更新启动流水线和获取流水线状态接口。 	2020-07-24
<p>第二次正式发布，本次变更说明如下：</p> <p>新增如下接口：</p> <ul style="list-style-type: none"> ● 启动流水线。 ● 停止流水线。 ● 获取流水线状态。 ● register注册Slave接口（已下线）。 ● Agent状态查询（已下线）。 	2020-06-20
<p>第一次正式发布。</p>	2020-03-03