CodeArts Build

API Reference

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Contents

1 Before You Start

1.1 Overview

CodeArts Build 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 CodeArts Build, you can create, configure, and run build tasks with a few clicks. CodeArts Build also supports automated code retrieval, build, and packaging, as well as real-time status monitoring.

This document describes how to use application programming interfaces (APIs) to perform operations in CodeArts Build, such as executing and querying tasks. For details about all supported operations, see **API Overview**.

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

1.2 API Calling

CodeArts Build supports Representational State Transfer (REST) APIs, allowing you to call APIs using HTTPS. For details, see **Calling APIs**.

1.3 Endpoints

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

Table 1-1 CodeArts Build endpoints

Region	Endpoint Region	Endpoint
EU-Dublin	eu-west-101	build-backend.eu-west-101.myhuaweicloud.eu

1.4 Constraints

For details, see **API description**.

1.5 Concepts

- Account

  An account is created upon successful registration with Huawei Cloud. The account has full access permissions for all of its cloud services and resources. It can be used to reset user passwords and grant user permissions. The account is a payment entity and should not be used directly to perform routine management. For security purposes, create IAM users and grant them permissions for routine management.

- User

  An Identity and Access Management (IAM) user is created using an account to use cloud services. Each IAM user has its own identity credentials (password and access keys).

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

  For details, see **Region and AZ**.

- Region

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

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

  - A dedicated region provides specific services for specific tenants.

- AZ

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

- Project

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

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

- Build task

  Build tasks are created during build and compilation.

- Enterprise project

  Enterprise projects group and manage resources across regions. Resources in enterprise projects are logically isolated from each other and can be directly transferred between the projects.

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

2 API Overview

Table 2-1 CodeArts Build APIs

Type	API
Task APIs	**Querying history of a build task in a specified period**
	Querying history of a build task
	Downloading Keystore file
	Querying task running status
	Querying build tasks in a project
	Executing a build task
	Querying the latest successful build with a specified code repository
	Querying details of a build record
	Querying success rate of a build task in a specified period
	Downloading build logs
	Downloading logs of build actions
	Obtaining information about build records
	Obtaining details about build results
	Stopping a build task
	Deleting a build task
	Disabling a build task
	Creating a build task
	Restoring a build task
	Updating a build task

Type	API
	Querying build templates
	Creating a build template
	Deleting a build template
	Querying notifications
	Updating notifications
	Canceling notifications
	Obtaining build task details
Out-of-date APIs (unavailable soon)	**Downloading build logs**
	Obtaining directed acyclic graphs of build records
	Obtaining build records
	Stopping a build task

3 Calling APIs

3.1 Making an API Request

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

Request URI

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

A request URI is in the following format: *{URI-scheme}://{Endpoint}/{resource-path}?{query-string}*

The following table describes the parameters.

Parameter	Description
URI-scheme	Protocol used to transmit requests. All APIs use **HTTPS**.
Endpoint	Domain name or IP address of the server bearing the REST service. The endpoint varies between services in different regions. It can be obtained from **Regions and Endpoints**. For example, the endpoint of IAM in region **EU-Dublin** is **iam.build-backend.eu-west-101.myhuaweicloud.eu**.
resource-path	Access path of an API for performing a specified operation. Obtain the path from the URI of an API. For example, the resource path of the API used to obtain a user token is **/v3/auth/tokens**.
query-string	Query parameter, which is optional. Ensure that a question mark (?) is included before each query parameter that is in the format of "*Parameter name=Parameter value*". For example, **?limit=10** indicates that a maximum of 10 data records will be displayed.

For example, to obtain the IAM token in region **EU-Dublin**, obtain the endpoint of this region (iam.build-backend.eu-west-101.myhuaweicloud.eu) and find the **resource-path (/v3/auth/tokens)** in the URI of the API for **obtaining a user token**. Then, construct the URI as follows:

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

☐ **NOTE**

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

Request Methods

The HTTP protocol defines the following request methods that can be used to send a request to the server.

Request Method	Description
GET	Requests the server to return specified resources.
PUT	Requests the server to update specified resources.
POST	Requests the server to add resources or perform special operations.
DELETE	Requests the server to delete specified resources, for example, an object.
HEAD	Same as GET except that the server must return only the response header.
PATCH	Requests the server to update partial content of a specified resource. If the resource does not exist, a new resource will be created.

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

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

Request Header

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

Common request header fields are as follows:

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

☐ **NOTE**

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

For more information, see **AK/SK Authentication**.

For example, the API used to **obtain a user token** does not require authentication. Therefore, only the **Content-Type** field needs to be added to requests for calling the API.

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

Request Body

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

The request body varies between APIs. Some APIs do not require the request body, such as the APIs requested using the GET and DELETE methods.

In the case of the API used to **obtain a user token**, the request parameters and parameter description can be obtained from the API request. The following provides an example request with a body included. Replace *username*, *domainname*, ******** (login password), and *xxxxxxxxx* (project name, for example, **eu-west-101**) with the actual values. Obtain a project name from **Regions and Endpoints**.

☐ **NOTE**

The **scope** parameter specifies where a token takes effect. You can set **scope** to an account or a project under an account. In the following example, the token takes effect only for the resources in a specified project. For more information about this API, see **Obtaining a User Token** to obtain request authentication.

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

```
Content-Type: application/json

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

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

3.2 Authentication

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

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

Token-based Authentication

📖 NOTE

The validity period of a token is 24 hours. When using a token for authentication, cache it to prevent frequently calling the IAM API used to obtain a user token.

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

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

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

```
{
   "auth": {
      "identity": {
         "methods": [
            "password"
```

```
        ],
        "password": {
          "user": {
            "name": "username",
            "password": "********",
            "domain": {
              "name": "domainname"
            }
          }
        }
      },
      "scope": {
        "project": {
          "name": "xxxxxxxx"
        }
      }
    }
  }
}
```

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

```
GET https://iam.eu-west-101.myhuaweicloud.eu/v3/auth/tokens
Content-Type: application/json
X-Auth-Token: ABCDEFJ....
```

AK/SK-based Authentication

☐ NOTE

AK/SK-based authentication supports API requests with a body not larger than 12 MB. For API requests with a larger body, token-based authentication is recommended.

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

- AK: access key ID, which is a unique identifier used in conjunction with a secret access key to sign requests cryptographically.

- SK: secret access key used in conjunction with an AK to sign requests cryptographically. It identifies a request sender and prevents the request from being modified.

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

3.3 Response

Status Code

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

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

For example, if status code **201** is returned for calling the API used to **obtain a user token**, the request is successful.

Response Header

Similar to a request, a response also has a header, for example, **content-type**.

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

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

```
connection →  keep-alive

content-type →  application/json

date →  Tue, 12 Feb 2019 06:52:13 GMT

server →  Web Server

strict-transport-security →  max-age=31536000; includeSubdomains;

transfer-encoding →  chunked

via →  proxy A

x-content-type-options →  nosniff

x-download-options →  noopen

x-frame-options →  SAMEORIGIN

x-iam-trace-id →  218d45ab-d674-4995-af3a-2d0255ba41b5

x-subject-token
→  MIIYXQYJKoZIhvcNAQcCoIIYTjCCGEoCAQExDTALBglghkgBZQMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOnsiZXhwaXJlc19hdCI6IjIwMTktMDItMTNUMD
fj3KJs6YgKnpVNRbW2eZ5eb78SZOkqjACgkIqO1wi4JlGzrpd18LGXK5txldfq4IqHCYb8P4NaY0NYejcAgzJVeFIYtLWT1GSO0zxKZmlQHQj82HBqHdglZO9fuEbL5dMhdavj+33wEl
xHRCE9I87o+k9-
j+
R                                                                                                          =

x-xss-protection →  1; mode=block;
```

Response Body

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

The following is part of the response body for the API used to **obtain a user token**.

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


                     "region_id": "eu-west-101",

......
```

If an error occurs during API calling, the system returns an error code and message to you. The following shows the format of an error response body:

```
{
   "error_msg": "The format of message is error",
```

```
    "error_code": "AS.0001"
}
```

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

4 Task APIs

4.1 View the build task build history list based on the start time and end time.

Function

View the build task build history list based on the start time and end time.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/period-history

Table 4-1 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Table 4-2 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Indicates the page number from which the query starts. The value of offset is greater than or equal to 0.
limit	Yes	Integer	Specifies the number of items displayed on each page. The value of limit is less than or equal to 100.
start_time	Yes	String	Start time of a time range. The format is yyyy-MM-dd. The interval between the start time and end time cannot exceed 30 days.
end_time	Yes	String	End time of a time range. The format is yyyy-MM-dd. The interval between the start time and end time cannot exceed 30 days.

Request Parameters

Table 4-3 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-4 Response body parameters

Parameter	Type	Description
total	Integer	By path limit

Parameter	Type	Description
history_record s	Array of **history_recor ds** objects	Build History List

Table 4-5 history_records

Parameter	Type	Description
record_id	String	Build record ID, which is a unique key.
job_id	String	Task ID.
build_number	Integer	Build ID
start_time	String	Start time of the build.
end_time	String	End time of the build.
result	String	Build Results
branch	String	Branch
commit_id	String	Commit ID for code submission.
commit_mess age	String	Submission information entered by a user during code submission. This parameter is valid only when the Repo repository is used.
executor	String	Name of the user who runs the build task script.
trigger_type	String	Triggering mode. The options are as follows: manual triggering, scheduled triggering, code update triggering, and pipeline triggering.

Status code: 400

Table 4-6 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-7 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-8 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-9 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-10 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

```
GET https://{endpoint}/v3/jobs/{job_id}/period-history?
start_time=2021-01-04&end_time=2021-01-14&offset=0&limit=10
```

Example Responses

Status code: 200

OK

```
{
  "total" : 1,
  "history_records" : {
    "record_id" : "20201230.1",
    "job_id" : "f9d6c8466d614a9788e9a0acf6c15f46",
    "build_number" : 55,
    "start_time" : "2020-12-30T17:33:11+08:00",
    "end_time" : "2020-12-30T17:33:27+08:00",
    "result" : "FAILURE",
    "branch" : "master",
    "commit_id" : "2f37dd494927d2c6259417c58e5faeb72bfe7150",
    "commit_message" : "test",
    "executor" : "test",
    "trigger_type" : "Manual triggering"
  }
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.2 Viewing the Build History List of build task

Function

Viewing the Build History List of build task

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/history

Table 4-11 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Table 4-12 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Indicates the page number from which the query starts. The value of offset is greater than or equal to 0.
limit	Yes	Integer	Specifies the number of items displayed on each page. The value of limit is less than or equal to 100.
interval	Yes	Integer	Time range from the current day, in days. The value of interval is less than or equal to 30.

Request Parameters

Table 4-13 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-14 Response body parameters

Parameter	Type	Description
history_records	Array of **HistoryRecord** objects	Build History List
total	Integer	By path limit

Table 4-15 HistoryRecord

Parameter	Type	Description
record_id	String	Build record ID, which is a unique key.
job_id	String	Task ID.
build_number	Integer	Build ID
start_time	String	Start time of the build.
end_time	String	End time of the build.
result	String	Build Results

Status code: 400

Table 4-16 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-17 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-18 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-19 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-20 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/{job_id}/history?interval=7&offset=0&limit=10

Example Responses

Status code: 200

OK

```
{
  "total" : 1,
  "history_records" : {
    "record_id" : "20201230.1",
    "job_id" : "f9d6c8466d614a9788e9a0acf6c15f46",
    "build_number" : 55,
    "start_time" : "2020-12-30T17:33:11+08:00",
    "end_time" : "2020-12-30T17:33:27+08:00",
    "result" : "FAILURE"
  }
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.3 Downloading the Keystore File

Function

Downloading the Keystore File of a Specified Tenant

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/keystore

Table 4-21 Query Parameters

Parameter	Mandatory	Type	Description
file_name	Yes	String	Name of the downloaded file.
domain_id	Yes	String	Specifies the tenant ID. A string of 32 characters, including digits and lowercase letters.

Request Parameters

Table 4-22 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 400

Table 4-23 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-24 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-25 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-26 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-27 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/keystore?
file_name=android.keystore&domain_id=60021bab32fd450aa2cb89226f425e06

Example Responses

None

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.4 Viewing the Running Status of a Task

Function

Viewing the Running Status of a Task

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/status

Table 4-28 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Request Parameters

Table 4-29 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-30 Response body parameters

Parameter	Type	Description
result	Boolean	Task execution result

Status code: 400

Table 4-31 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-32 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-33 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-34 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-35 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/901878212b1a49be9c1a1054c272762a/status

Example Responses

Status code: 200

OK

```
{
  "result" : true
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.5 Viewing the build task List of Users in a Project

Function

Viewing the build task List of Users in a Project

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/{project_id}/jobs

Table 4-36 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	CodeArts project ID, which is a string of 32 digits and lowercase letters.

Table 4-37 Query Parameters

Parameter	Mandatory	Type	Description
page_index	Yes	Integer	Page number, indicating that the query starts from this page. The value of page_index is greater than or equal to 0.
page_size	Yes	Integer	Number of items displayed on each page. The value of page_size is less than or equal to 100.

Request Parameters

Table 4-38 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-39 Response body parameters

Parameter	Type	Description
jobs	Array of **Job** objects	Task list
total	Integer	Total number of queried tasks.

Table 4-40 Job

Parameter	Type	Description
id	String	Task ID
job_name	String	Task Name
job_creator	String	Indicates the task creator.
user_name	String	Username.
last_build_time	Number	Latest Execution Time
health_score	Integer	Health Score
source_code	String	Code Source
last_build_status	String	Latest Build Status
is_finished	Boolean	Ended or Not
disabled	Boolean	Disabled or Not
favorite	Boolean	Indicates whether the content has been added to favorites.
is_modify	Boolean	Indicates whether the user has the permission to modify tasks.
is_delete	Boolean	Indicates whether the user has the permission to delete tasks.
is_execute	Boolean	Indicates whether the user has the permission to execute the task.
is_copy	Boolean	Specifies whether you have the permission to copy tasks.
is_forbidden	Boolean	Indicates whether the user has the permission to disable tasks.
is_view	Boolean	Indicates whether the user has the permission to view tasks.

Status code: 400

Table 4-41 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-42 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-43 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-44 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-45 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes

Parameter	Type	Description
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/6ecbc5bac7c8442fb3d2563d53c13582/jobs?page_index=1&page_size=10

Example Responses

Status code: 200

OK

```
{
  "total" : 1,
  "jobs" : [ {
    "id" : "2a86c3c1ed18416399279fe6........",
    "job_name" : "demo",
    "job_creator" : "ae22fd035f354cfa8d82a3f1........",
    "user_name" : "test",
    "last_build_time" : 1608004535000,
    "health_score" : 75,
    "source_code" : "test",
    "last_build_status" : "blue",
    "is_finished" : true,
    "disabled" : true,
    "favorite" : true,
    "is_modify" : true,
    "is_delete" : true,
    "is_execute" : true,
    "is_copy" : true,
    "is_forbidden" : true,
    "is_view" : true
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.6 Execute the build job.

Function

Run the build task command to transfer user-defined parameters.

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/build

Request Parameters

Table 4-46 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Table 4-47 Request body parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	build task ID, which is a string of 32 characters consisting of digits and letters at the end of the browser URL when the build task is edited.
parameter	No	Array of **ParameterItem** objects	User-defined parameter
scm	No	**Scm** object	Code Information

Table 4-48 ParameterItem

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

Table 4-49 Scm

Parameter	Mandatory	Type	Description
build_tag	No	String	Code Tag
build_commit_id	No	String	Code submission ID.

Response Parameters

Status code: 200

Table 4-50 Response body parameters

Parameter	Type	Description
octopus_job_name	String	Temporary Task Name
actual_build_number	String	Actual Build Times
daily_build_number	String	Build Daily No.

Status code: 400

Table 4-51 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-52 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-53 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-54 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-55 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

Execute the build task whose task ID is f9d6c8466d614a9788e9a0acf6c15f46, code repository name is codeBranch, and code repository branch is master.

```
POST https://{endpoint}/v3/jobs/build

{
  "job_id" : "f9d6c8466d614a9788e9a0acf6c15f46",
  "parameter" : [ {
    "name" : "codeBranch",
    "value" : "master"
```

```
  } ],
  "scm" : {
    "build_tag" : null,
    "build_commit_id" : "build_commit_id"
  }
}
```

Example Responses

Status code: 200

OK

```
{
  "octopus_job_name" : "j_Oaqg...",
  "actual_build_number" : "20",
  "daily_build_number" : "20200612.20"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.7 Querying the Latest Successful Build History of a Specified Code Repository

Function

Querying the Latest Successful Build History of a Specified Code Repository

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{project_id}/last-history

Table 4-56 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	CodeArts project ID, which is a string of 32 digits and lowercase letters.

Table 4-57 Query Parameters

Parameter	Mandatory	Type	Description
repository_na me	Yes	String	Name of the code repository. Chinese characters are not supported.

Request Parameters

Table 4-58 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-59 Response body parameters

Parameter	Type	Description
record_id	String	Build record ID, which is a unique key.
job_id	String	build task ID
job_name	String	build task Name
build_number	Integer	Build ID
start_time	String	Start time of the build.
end_time	String	End time of the build.

Parameter	Type	Description
result	String	Build Execution Result
commit_id	String	commitId

Status code: 400

Table 4-60 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-61 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-62 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-63 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-64 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

```
GET https://{endpoint}/v3/jobs/6ecbc5bac7c8442fb3d2563d53c13582/last-history?repository_name=maven-demo
```

Example Responses

Status code: 200

OK

```
{
  "record_id" : "20210722.16",
  "job_id" : "37be03edd1da430c8079504d546cc499",
  "job_name" : "Test Task 01",
  "build_number" : 16,
  "start_time" : "2021-07-22T16:26:52+08:00",
  "end_time" : "2021-07-22T16:27:15+08:00",
  "result" : "SUCCESS",
  "commit_id" : "e311c54476e0e536f0ecdeeba8dc184216fa2057"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.8 API for Obtaining Construction History Details

Function

API for Obtaining Construction History Details

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/{build_number}/history-details

Table 4-65 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.
build_number	Yes	Integer	build task build ID, which starts from 1 and increases by 1 for each build.

Request Parameters

Table 4-66 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-67 Response body parameters

Parameter	Type	Description
job_name	String	build task Name
build_number	Integer	Build ID
project_id	String	ID of the project to which the build task belongs.
project_name	String	Name of the project to which the build task belongs.
parameters	Map<String,String>	Parameter of the Map type. For sensitive parameter values, asterisks (*) are returned.
build_steps	Array of **build_steps** objects	Details about the build step of the task. The returned step is visible on the page.

Table 4-68 build_steps

Parameter	Type	Description
name	String	Procedure name.
status	String	Specifies the step status. The value can be running, success, error, or an empty string.
build_time	Integer	Step execution duration, in milliseconds.

Status code: 400

Table 4-69 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-70 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes

Parameter	Type	Description
error_msg	String	Description

Status code: 403

Table 4-71 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-72 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-73 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/901878212b1a49be9c1a1054c272762a/1/history-details

Example Responses

Status code: 200

OK

```
{
 "job_name" : "Test Task 01",
 "build_number" : 5,
 "project_id" : "6ecbc5bac7c8442fb3d2563d53c13582",
 "project_name" : "test-project",
```

```
  "parameters" : [ {
    "static_limit_param_name" : "static_limit_param_value_1",
    "sentive_param_name" : "*******",
    "no_static_param_name" : "no_static_param_value",
    "static_param_name" : "static_param_value",
    "no_static_limit_param_name" : "no_static_limit_param_value_1"
  } ],
  "build_steps" : [ {
    "name" : "Code checkout",
    "status" : "success",
    "build_time" : 8366
  }, {
    "name" : "Uploading Software Packages to CloudRelease",
    "status" : "",
    "build_time" : 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.9 View the build task construction success rate based on the start time and end time.

Function

View the build task construction success rate based on the start time and end time.

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/success-ratio

Table **4-74** Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Table **4-75** Query Parameters

Parameter	Mandatory	Type	Description
start_time	Yes	String	Start time of a time range. The format is yyyy-MM-dd.
end_time	Yes	String	End time of a time range. The format is yyyy-MM-dd.

Request Parameters

Table **4-76** Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table **4-77** Response body parameters

Parameter	Type	Description
success_count	Integer	Number of Successful Task Constructions
total_count	Integer	Total number of task construction times
success_ratio	Double	Task success rate, accurate to two decimal places.

Status code: 400

Table 4-78 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-79 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-80 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-81 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-82 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/{job_id}/success-ratio?start_time=2021-12-01&end_time=2021-12-01

Example Responses

Status code: 200

OK

```
{
  "success_count" : 2,
  "total_count" : 3,
  "success_ratio" : 0.67
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.10 Download Full Build Log

Function

Download Full Build Log

Calling Method

For details, see **Calling APIs**.

URI

GET /v4/{record_id}/download-log

Table 4-83 Path Parameters

Parameter	Mandatory	Type	Description
record_id	Yes	String	Record ID, which is a string of 36 characters consisting of digits, lowercase letters, and hyphens (-).

Table 4-84 Query Parameters

Parameter	Mandatory	Type	Description
log_level	No	String	The log level is INFO | DEBUG.

Request Parameters

Table 4-85 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 400

Table 4-86 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-87 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-88 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-89 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-90 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

```
GET https://{endpoint}/v4/2cc26382-b2cb-4234-8eb0-b37d362f4d4c/download-log
```

Example Responses

None

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.11 Download Build Step Log

Function

Download Build Step Log

Calling Method

For details, see **Calling APIs**.

URI

GET /v4/{record_id}/task-log

Table 4-91 Path Parameters

Parameter	Mandatory	Type	Description
record_id	Yes	String	Record ID, which is a string of 36 characters consisting of digits, lowercase letters, and hyphens (-).

Table 4-92 Query Parameters

Parameter	Mandatory	Type	Description
task_name	Yes	String	Action name.
log_level	No	String	The log level is INFO | DEBUG.

Request Parameters

Table 4-93 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 400

Table 4-94 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-95 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-96 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-97 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-98 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v4/2cc26382-b2cb-4234-8eb0-b37d362f4d4c/task-log

Example Responses

None

Status Codes

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

Status Code	Description
500	Internal Server Error

Error Codes

See **Error Codes**.

4.12 Obtaining Construction Record Information

Function

Obtaining Construction Record Information

Calling Method

For details, see **Calling APIs**.

URI

GET /v4/jobs/{job_id}/{build_no}/record-info

Table 4-99 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.
build_no	Yes	Integer	build task build ID, which starts from 1 and increases by 1 for each build.

Request Parameters

Table 4-100 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-101 Response body parameters

Parameter	Type	Description
status	String	Status
error	Object	Error
result	**result** object	Result

Table 4-102 result

Parameter	Type	Description
id	String	id
build_project_id	String	Build project ID, which uniquely corresponds to codeci_job_id.
build_record_id	String	Build Record ID
parent_record_id	String	Parent Build Record ID
devcloud_project_id	String	Project ID.
codeci_job_id	String	CodeCI task ID, which uniquely corresponds to build_project_id.
user_id	String	User ID
build_no	Integer	Build ID.

Parameter	Type	Description
daily_build_num m	String	Daily build number, starting from 1 every day
execution_id	String	Octopus Fish Task ID
repo_name	String	Repository name.
repo_id	String	Specifies the repository ID.
branch	String	Repository Branch
tag	String	Repository Tag
commit	String	Repository commit ID
commit_mess age	String	Warehouse Commit Submission Information
commit_creat e_time	String	Commit creation time.
trigger_type	String	Trigger Type
build_type	String	Building Type
status	String	Status
domain_id	String	TenantID
create_time	String	Indicates the time when the task is created.
schedule_time	String	Time Required for Building and Delivering
queued_time	String	Construction Queuing Duration
start_time	String	Construction Start Time
runnable_tim e	String	Time for the octopus fish to really start building
finish_time	String	End time of the build.
duration	Integer	Build duration
record_status	String	Record status.
use_private_sl ave	Integer	Whether to use a customized executor
region	String	Region where the tenant is located
err_msg	String	Error Message
build_config_t ype	String	Build configuration type, which can be YAML or ACTION.

Status code: 400

Table 4-103 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-104 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-105 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-106 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-107 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v4/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/61/record-info

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "result" : {
    "id" : "eb9d73c7-61b3-4823-b476-a7c00c493b8a",
    "build_project_id" : "31581e9f-5772-4053-a50c-d5690578c8fd",
    "build_record_id" : "9d6169b9-022d-458c-9dc8-48cc94cc4083",
    "parent_record_id" : null,
    "devcloud_project_id" : "b4d3971c3988463b865f6f920846149e",
    "codeci_job_id" : "68491d9bc97b4774adb93e29b46d2dc6",
    "user_id" : "ae22fd035f354cfa8d82a3f1c8940446",
    "build_no" : 532,
    "daily_build_num" : "20221011.29",
    "execution_id" : "j_YE1bu9Z7",
    "repo_name" : "maven",
    "repo_id" : "2111616838",
    "branch" : "buildflow_env",
    "tag" : null,
    "commit" : null,
    "commit_message" : null,
    "commit_create_time" : "2022-10-11T08:28:42.000+00:00",
    "trigger_type" : "MANUAL",
    "build_type" : "branch",
    "status" : "SUCCESS",
    "domain_id" : "60021bab32fd450aa2cb89226f425e06",
    "create_time" : "2022-10-11T08:28:42.000+00:00",
    "schedule_time" : "2022-10-11T08:28:45.000+00:00",
    "queued_time" : "2022-10-11T08:28:45.000+00:00",
    "start_time" : "2022-10-11T08:28:47.000+00:00",
    "runnable_time" : "2022-10-11T08:16:04.000+00:00",
    "finish_time" : "2022-10-11T08:30:27.000+00:00",
    "duration" : 100068,
    "record_status" : null,
    "use_private_slave" : 0,
    "region" : "cn-north-7",
    "err_msg" : null,
    "build_config_type" : "YAML"
  }
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.13 Obtaining Build Product Details

Function

Obtaining Build Product Details

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/{build_no}/output-info

Table 4-108 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.
build_no	Yes	Integer	build task build ID, which starts from 1 and increases by 1 for each build.

Request Parameters

Table 4-109 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-110 Response body parameters

Parameter	Type	Description
status	String	Status
error	Object	Error
result	**result** object	Result

Table 4-111 result

Parameter	Type	Description
package_info	**OutPutResult** object	Product Information
package_infos	Map<String,**OutPutResult**>	Second-Party Package Information
image_infos	Map<String,**OutPutResult**>	Image package information

Table 4-112 OutPutResult

Parameter	Type	Description
project_id	String	ID of the project to which the build task belongs.
name	String	Product Name
version	String	Product Version
package_type	String	Product Type
uri	String	Product Path
type	String	Type
daily_build_number	String	Build ID, starting from 1 every day.

Status code: 400

Table 4-113 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-114 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-115 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-116 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-117 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/61/output-info

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "package_info" : null,
    "package_infos" : {
      "additionalProp1" : {
        "project_id" : "a287e712be6c404ca26e5f69040fa12b",
        "name" : "a287e712be6c404ca26e5f69040fa12b",
        "version" : "a287e712be6c404ca26e5f69040fa12b",
        "package_type" : "a287e712be6c404ca26e5f69040fa12b",
        "uri" : "a287e712be6c404ca26e5f69040fa12b",
        "type" : "a287e712be6c404ca26e5f69040fa12b",
        "daily_build_number" : "a287e712be6c404ca26e5f69040fa12b"
      }
    },
    "image_infos" : null
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.14 Stopping a Build

Function

Stopping a Build

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/{job_id}/{build_no}/stop

Table 4-118 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.
build_no	Yes	Integer	build task build ID, which starts from 1 and increases by 1 for each build.

Request Parameters

Table 4-119 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-120 Response body parameters

Parameter	Type	Description
success	Boolean	Whether the service is stopped successfully
result	String	Response

Status code: 400

Table 4-121 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-122 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-123 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-124 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-125 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes

Parameter	Type	Description
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/2/stop

Example Responses

Status code: 200

OK

```
{
  "success" : true,
  "result" : ""
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.15 Deleting the Build Task

Function

Deleting the Build Task

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/{job_id}/delete

Table 4-126 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Request Parameters

Table 4-127 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-128 Response body parameters

Parameter	Type	Description
result	**result** object	Result
status	String	Status Information

Table 4-129 result

Parameter	Type	Description
job_id	String	Build task ID.

Parameter	Type	Description
project_id	String	ID of the project to which the build task belongs.

Status code: 400

Table 4-130 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-131 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-132 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-133 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-134 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/delete

Example Responses

Status code: 200

OK

```
{
  "status" : "success",
  "result" : {
    "job_id" : "f9d6c8466d614a9788e9a0acf6c15f46",
    "project_id" : "b4d3971c3988463b865f6f920846149e"
  }
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.16 Disabling build task

Function

Disabling build task

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/{job_id}/disable

Table 4-135 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Request Parameters

Table 4-136 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-137 Response body parameters

Parameter	Type	Description
status	String	Return Result Status

Status code: 400

Table 4-138 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-139 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-140 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-141 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-142 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/disable

Example Responses

Status code: 200

OK

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

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.17 Restoring the build task

Function

Restoring the build task

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/{job_id}/recover

Table 4-143 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Request Parameters

Table 4-144 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-145 Response body parameters

Parameter	Type	Description
status	String	Return Result Status

Status code: 400

Table 4-146 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-147 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-148 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-149 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-150 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/recover

Example Responses

Status code: 200

OK

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

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.18 Creating a Build Job

Function

Creating a Build Job

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/create

Request Parameters

Table 4-151 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Table 4-152 Request body parameters

Parameter	Mandatory	Type	Description
arch	Yes	String	Architecture Using Machines
project_id	Yes	String	ID of the project to which the build task belongs.
job_name	Yes	String	Task Name
auto_update_sub_module	No	String	Indicates whether to automatically update submodules.
flavor	No	String	Executor Specifications
parameters	No	Array of **CreateBuildJobParameter** objects	List of build execution parameters
scms	No	Array of **CreateBuildJobScm** objects	Build Execution SCM
steps	Yes	Array of **CreateBuildJobSteps** objects	Build Execution Steps
host_type	No	String	Host Type
build_config_type	No	String	Configuration Type

Table 4-153 CreateBuildJobParameter

Parameter	Mandatory	Type	Description
name	No	String	Parameter definition name. The default value is hudson.model.StringParameter Definition.
params	No	Array of **CreateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-154 CreateBuildJobParameterParam

Parameter	Mandatory	Type	Description
name	No	String	Parameter Field Name
value	No	String	Parameter Field Value
limits	No	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-155 LimitsParam

Parameter	Mandatory	Type	Description
disable	No	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.
display_name	No	String	Name of a parameter.
name	No	String	Parameter

Table 4-156 CreateBuildJobScm

Parameter	Mandatory	Type	Description
branch	No	String	Branch
url	Yes	String	Code Repository Address
repo_id	No	String	Specifies the Repo ID.

Parameter	Mandatory	Type	Description
web_url	No	String	HTTP address of the code repository
scm_type	Yes	String	Repository type, such as Repo and GitHub.
is_auto_build	No	Boolean	Indicates whether to automatically build.
build_type	No	String	Build Type
depth	No	String	Clone Depth
end_point_id	No	String	endpointId
source	No	String	source

Table 4-157 CreateBuildJobSteps

Parameter	Mandatory	Type	Description
properties	No	Map<String,Object>	Specific Construction Procedure
module_id	Yes	String	Indicates the ID of the building module.
name	Yes	String	Building Module Name
version	No	String	Build version
enable	No	Boolean	Whether to enable this feature.

Response Parameters

Status code: 200

Table 4-158 Response body parameters

Parameter	Type	Description
result	**result** object	Result
status	String	Status Information
error	String	Error Message

Table 4-159 result

Parameter	Type	Description
job_id	String	Build task ID.

Status code: 400

Table 4-160 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-161 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-162 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-163 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-164 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/create

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "job_id" : "db8467d972cc47f7a1bd2a3a3e77596a"
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.19 Updating the build task

Function

Updating the build task

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/update

Request Parameters

Table 4-165 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Table 4-166 Request body parameters

Parameter	Mandatory	Type	Description
arch	Yes	String	Architecture Using Machines
project_id	Yes	String	ID of the project to which the build task belongs.
job_name	Yes	String	Task Name
job_id	Yes	String	Build task ID.
auto_update_sub_module	No	String	Indicates whether to automatically update submodules.
flavor	No	String	Executor Specifications
parameters	No	Array of **UpdateBuildJobParameter** objects	List of build execution parameters
scms	No	Array of **UpdateBuildJobScm** objects	Build Execution SCM

Parameter	Mandatory	Type	Description
steps	Yes	Array of **UpdateBuildJobSteps** objects	Build Execution Steps
host_type	No	String	Host Type
build_config_type	No	String	Configuration Type

Table 4-167 UpdateBuildJobParameter

Parameter	Mandatory	Type	Description
name	No	String	Parameter definition name. The default value is hudson.model.StringParameter Definition.
params	No	Array of **UpdateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-168 UpdateBuildJobParameterParam

Parameter	Mandatory	Type	Description
name	No	String	Parameter Field Name
value	No	String	Parameter Field Value
limits	No	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-169 LimitsParam

Parameter	Mandatory	Type	Description
disable	No	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.

Parameter	Mandatory	Type	Description
display_name	No	String	Name of a parameter.
name	No	String	Parameter

Table 4-170 UpdateBuildJobScm

Parameter	Mandatory	Type	Description
branch	No	String	Branch
url	Yes	String	Code Repository Address
repo_id	No	String	Specifies the Repo ID.
web_url	No	String	HTTP address of the code repository
scm_type	Yes	String	Repository type, such as Repo and GitHub.
is_auto_build	No	Boolean	Indicates whether to automatically build.
build_type	No	String	Build Type
depth	No	String	Clone Depth
end_point_id	No	String	endpointId
source	No	String	source

Table 4-171 UpdateBuildJobSteps

Parameter	Mandatory	Type	Description
properties	No	Map<String,Object>	Specific Construction Procedure
module_id	Yes	String	Indicates the ID of the building module.
name	Yes	String	Building Module Name
version	No	String	Build version
enable	No	Boolean	Health Check

Response Parameters

Status code: 200

Table 4-172 Response body parameters

Parameter	Type	Description
result	**result** object	Result
status	String	Status
error	String	Error Message

Table 4-173 result

Parameter	Type	Description
job_id	String	Build task ID.

Status code: 400

Table 4-174 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-175 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-176 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-177 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-178 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/update

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "job_id" : "db8467d972cc47f7a1bd2a3a3e77596a"
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.20 Querying a Build Template

Function

Querying a Build Template

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/templates/query

Table 4-179 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Fuzzy search by template name
page	No	String	Page number, indicating that the query starts from this page.
page_size	No	String	Number of items displayed on each page. The value of page_size is less than or equal to 100.

Request Parameters

Table 4-180 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-181 Response body parameters

Parameter	Type	Description
result	Object	Template query result
error	String	An error message is returned.
status	String	Returned status information.

Table 4-182 QueryTemplatesResult

Parameter	Type	Description
total_size	Integer	Number of returned templates.
items	Array of **QueryTempla tesItems** objects	Template information

Table 4-183 QueryTemplatesItems

Parameter	Type	Description
favourite	Boolean	Indicates whether to add a template to favorites.
nick_name	String	Nickname
id	String	ID in the database.
uuid	String	uuid
template	**QueryTempla te** object	Build step template, which needs to be encapsulated in camel case.
type	String	Template category.
public	Boolean	Whether the Template Is Public
name	String	Template Naming
create_time	String	Created
domain_id	String	domainId
weight	Double	Weight
user_id	String	User ID.

Parameter	Type	Description
user_name	String	User Name
domain_name	String	Domain Name
scope	String	Template scope. The default value is custom for a user-defined template.
description	String	Template Description
tool_type	String	Build tool type, which can be YAML build or action build.
intl_description	Object	intl Description
parameters	Array of **CreateBuildJobParameter** objects	List of build execution parameters
i18n	Object	i18n

Table 4-184 QueryTemplate

Parameter	Type	Description
steps	Array of **CreateBuildJobSteps** objects	Build Execution Steps

Table 4-185 CreateBuildJobSteps

Parameter	Type	Description
properties	Map<String,Object>	Specific Construction Procedure
module_id	String	Indicates the ID of the building module.
name	String	Building Module Name
version	String	Build version
enable	Boolean	Whether to enable this feature.

Table 4-186 CreateBuildJobParameter

Parameter	Type	Description
name	String	Parameter definition name. The default value is hudson.model.StringParameterDefinition.
params	Array of **CreateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-187 CreateBuildJobParameterParam

Parameter	Type	Description
name	String	Parameter Field Name
value	String	Parameter Field Value
limits	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-188 LimitsParam

Parameter	Type	Description
disable	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.
display_name	String	Name of a parameter.
name	String	Parameter

Status code: 400

Table 4-189 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-190 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-191 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-192 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-193 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/templates/query?name=123

Example Responses

Status code: 200

OK

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

```
        "total_size" : 172,
        "items" : [ {
          "public" : true,
          "favourite" : false,
          "nick_name" : "021",
          "id" : "6561b2ced7a6751941fdc8cd",
          "uuid" : "2d9031c079624376824fe1e2731615dc",
          "template" : {
            "steps" : [ {
              "properties" : {
                "image" : "maven3.5.3-jdk8-open",
                "snapshotArtifact" : {
                  "displayName" : "",
                  "value" : ""
                },
                "userPrivateRepositories" : [ ],
                "deal" : "notDeal",
                "dependencyCheckParam" : " ",
                "userPublicRepositories" : [ ],
                "settingMode" : "auto",
                "doCheck" : "disable",
                "junitCoverageSwitch" : "false",
                "coverageReportPath" : "**/site/jacoco",
                "releaseArtifact" : {
                  "displayName" : "",
                  "value" : ""
                },
                "cacheOption" : "cached",
                "command" : "# Function: packaging\n# Parameter description:\n-Dmaven.test.skip=true: Skip the
unit test.\n#-U: The dependency update is checked for each build. This avoids the problem that the
snapshot version dependency in the cache is not updated, but some performance is affected.\n#-e -X: prints
debugging information. You are advised to use this parameter to locate difficult build problems.\n#-B: Run
in batch mode to avoid the ArrayIndexOutOfBoundsException exception during log printing.\n# Scenario:
Used for packaging projects when unit tests are not required.\nmvn package -Dmaven.test.skip=true -U -e -
X -B\n\n# Function: packaging; executing unit tests, but ignoring unit test case failures. Dependency
updates are checked for each build.\n#Application scenario: Unit tests need to be executed, and the unit
test report service provided by the build is used to collect statistics on the execution status.\n# Usage
condition: Select Process Unit Test Result in Unit Test and enter the correct path of the test result
file.\n#mvn package -Dmaven.test.failure.ignore=true -U -e -X -B\n\n# Function: Pack and release
dependency packages to the private dependency library.\n#Application scenario: The build result of the
current project needs to be released to the private dependency repository for other Maven projects to
reference.\n#Note: The target repository to be uploaded is the CodeArts private dependency repository.
Note that the target repository must be different from the software release repository.\n#mvn deploy -
Dmaven.test.skip=true -U -e -X -B",
                "file" : "**/TEST*.xml",
                "dependencyProjectDir" : "./",
                "ignoreTest" : "false",
                "pomMode" : "no",
                "dependencySettings" : "~/.m2/settings.xml"
              },
              "module_id" : "devcloud2018.codeci_action_20043.action",
              "name" : "Build with Maven",
              "version" : null,
              "enable" : true
            }, {
              "properties" : {
                "image" : "shell4.2.46-git1.8.3-zip6.00",
                "buildVersion" : "",
                "file" : "bin/*",
                "groupId" : "",
                "name" : ""
              },
              "module_id" : "devcloud2018.codeci_action_20018.action",
              "name" : "Uploading Software Packages to Release Repos",
              "version" : null,
              "enable" : true
            } ]
          },
          "type" : "codeci",
```

```
    "name" : "oych_test_temp_ladadad12122313",
    "create_time" : "2023-11-25T08:39:42.098+00:00",
    "domain_id" : "60021bab32fd450aa2cb89226f425e06",
    "weight" : 0,
    "user_id" : "ae22fd035f354cfa8d82a3f1c8940446",
    "user_name" : "devcloud_codeci_z00485259_02",
    "domain_name" : "devcloud_codeci_z00485259_02",
    "scope" : "custom",
    "description" : "123",
    "intl_description" : { },
    "parameters" : [ {
      "name" : "hudson.model.StringParameterDefinition",
      "params" : [ {
        "name" : "name",
        "value" : "codeBranch",
        "limits" : null
      }, {
        "name" : "type",
        "value" : "normalparam",
        "limits" : null
      }, {
        "name" : "defaultValue",
        "value" : "master",
        "limits" : null
      }, {
        "name" : "description",
        "value" : "Code branch, which is a predefined parameter in the system.",
        "limits" : null
      }, {
        "name" : "deletion",
        "value" : "false",
        "limits" : null
      }, {
        "name" : "defaults",
        "value" : "true",
        "limits" : null
      }, {
        "name" : "staticVar",
        "value" : "false",
        "limits" : null
      }, {
        "name" : "sensitiveVar",
        "value" : "false",
        "limits" : null
      } ]
    } ],
    "i18n" : { }
  }, {
    "public" : true,
    "favourite" : false,
    "nick_name" : "021",
    "id" : "655593217c95e62ccee22799",
    "uuid" : "e6e1ac0c94254534bd6c952f201d621d",
    "template" : {
      "steps" : [ {
        "properties" : {
          "image" : "maven3.5.3-jdk8-open",
          "snapshotArtifact" : {
            "displayName" : "",
            "value" : ""
          },
          "userPrivateRepositories" : [ ],
          "deal" : "notDeal",
          "dependencyCheckParam" : " ",
          "userPublicRepositories" : [ ],
          "settingMode" : "auto",
          "doCheck" : "disable",
          "junitCoverageSwitch" : "false",
          "coverageReportPath" : "**/site/jacoco",
```

```
      "releaseArtifact" : {
        "displayName" : "",
        "value" : ""
      },
      "cacheOption" : "cached",
      "command" : "# Function: packaging\n# Parameter description:\n#-Dmaven.test.skip=true: Skip the
unit test.\n#-U: The dependency update is checked for each build. This avoids the problem that the
snapshot version dependency in the cache is not updated, but some performance is affected.\n#-e -X: prints
debugging information. You are advised to use this parameter to locate difficult build problems.\n#-B: Run
in batch mode to avoid the ArrayIndexOutOfBoundsException exception during log printing.\n# Scenario:
Used for packaging projects when unit tests are not required.\nmvn package -Dmaven.test.skip=true -U -e -
X -B\n\n# Function: packaging; executing unit tests, but ignoring unit test case failures. Dependency
updates are checked for each build.\n#Application scenario: Unit tests need to be executed, and the unit
test report service provided by the build is used to collect statistics on the execution status.\n# Usage
condition: Select Process Unit Test Result in Unit Test and enter the correct path of the test result
file.\n#mvn package -Dmaven.test.failure.ignore=true -U -e -X -B\n\n# Function: Pack and release
dependency packages to the private dependency library.\n#Application scenario: The build result of the
current project needs to be released to the private dependency repository for other Maven projects to
reference.\n#Note: The target repository to be uploaded is the CodeArts private dependency repository.
Note that the target repository must be different from the software release repository.\n#mvn deploy -
Dmaven.test.skip=true -U -e -X -B",
      "file" : "**/TEST*.xml",
      "dependencyProjectDir" : "./",
      "ignoreTest" : "false",
      "pomMode" : "no",
      "dependencySettings" : "~/.m2/settings.xml"
    },
    "module_id" : "devcloud2018.codeci_action_20043.action",
    "name" : "Build with Maven",
    "version" : null,
    "enable" : true
  }, {
    "properties" : {
      "image" : "shell4.2.46-git1.8.3-zip6.00",
      "buildVersion" : "",
      "file" : "bin/*",
      "groupId" : "",
      "name" : ""
    },
    "module_id" : "devcloud2018.codeci_action_20018.action",
    "name" : "Uploading Software Packages to Release Repos",
    "version" : null,
    "enable" : true
  } ]
},
"type" : "codeci",
"name" : "oych_test_sdk_template",
"create_time" : "2023-11-16T03:57:21.333+00:00",
"domain_id" : "60021bab32fd450aa2cb89226f425e06",
"weight" : 0,
"user_id" : "ae22fd035f354cfa8d82a3f1c8940446",
"user_name" : "devcloud_codeci_z00485259_02",
"domain_name" : "devcloud_codeci_z00485259_02",
"scope" : "custom",
"description" : "oych_test_sdk_template",
"intl_description" : { },
"parameters" : [ {
  "name" : "hudson.model.StringParameterDefinition",
  "params" : [ {
    "name" : "name",
    "value" : "codeBranch",
    "limits" : null
  }, {
    "name" : "type",
    "value" : "normalparam",
    "limits" : null
  }, {
    "name" : "defaultValue",
    "value" : "master",
```

```
          "limits" : null
        }, {
          "name" : "description",
          "value" : "Code branch, which is a predefined parameter in the system.",
          "limits" : null
        }, {
          "name" : "deletion",
          "value" : "false",
          "limits" : null
        }, {
          "name" : "defaults",
          "value" : "true",
          "limits" : null
        }, {
          "name" : "staticVar",
          "value" : "false",
          "limits" : null
        }, {
          "name" : "sensitiveVar",
          "value" : "false",
          "limits" : null
        } ]
      } ],
      "i18n" : { }
    } ]
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.21 Creating a Build Template

Function

Creating a Build Template

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/templates/create

Request Parameters

Table 4-194 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Table 4-195 Request body parameters

Parameter	Mandatory	Type	Description
template	Yes	**CreateTemplate** object	Build step template, which needs to be encapsulated in camel case.
name	Yes	String	Template Naming
description	No	String	Template Description
tool_type	No	String	Type
parameters	No	Array of **CreateBuildJobParameter** objects	List of build execution parameters

Table 4-196 CreateTemplate

Parameter	Mandatory	Type	Description
steps	Yes	Array of **CreateTemplateSteps** objects	Build Execution Steps

Table 4-197 CreateTemplateSteps

Parameter	Mandatory	Type	Description
properties	No	Map<String,Object>	Specific Construction Procedure
module_id	Yes	String	Indicates the ID of the building module.
name	No	String	Building Module Name
version	No	String	Build version
enable	No	Boolean	Whether to enable this feature.

Table 4-198 CreateBuildJobParameter

Parameter	Mandatory	Type	Description
name	No	String	Parameter definition name. The default value is hudson.model.StringParameter Definition.
params	No	Array of **CreateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-199 CreateBuildJobParameterParam

Parameter	Mandatory	Type	Description
name	No	String	Parameter Field Name
value	No	String	Parameter Field Value
limits	No	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-200 LimitsParam

Parameter	Mandatory	Type	Description
disable	No	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.
display_name	No	String	Name of a parameter.
name	No	String	Parameter

Response Parameters

Status code: 200

Table 4-201 Response body parameters

Parameter	Type	Description
result	Object	Template query result
error	String	An error message is returned.
status	String	Returned status information.

Table 4-202 CreateTemplatesItems

Parameter	Type	Description
favourite	Boolean	Indicates whether to add a template to favorites.
id	String	ID in the database.
uuid	String	uuid
template	**QueryTemplate** object	Build step template, which needs to be encapsulated in camel case.
type	String	Template category.
public	Boolean	Whether the Template Is Public
name	String	Template Naming
create_time	String	Created
domain_id	String	domainId
weight	Double	Weight

Parameter	Type	Description
user_id	String	User ID.
user_name	String	User Name
domain_name	String	Domain Name
scope	String	Template scope. The default value is custom for a user-defined template.
description	String	Template Description
tool_type	String	Build tool type, which can be YAML build or action build.
intl_description	Object	intl Description
parameters	Array of **CreateBuildJobParameter** objects	List of build execution parameters
i18n	Object	i18n

Table 4-203 QueryTemplate

Parameter	Type	Description
steps	Array of **CreateBuildJobSteps** objects	Build Execution Steps

Table 4-204 CreateBuildJobSteps

Parameter	Type	Description
properties	Map<String,Object>	Specific Construction Procedure
module_id	String	Indicates the ID of the building module.
name	String	Building Module Name
version	String	Build version
enable	Boolean	Whether to enable this feature.

Table 4-205 CreateBuildJobParameter

Parameter	Type	Description
name	String	Parameter definition name. The default value is hudson.model.StringParameterDefinition.
params	Array of **CreateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-206 CreateBuildJobParameterParam

Parameter	Type	Description
name	String	Parameter Field Name
value	String	Parameter Field Value
limits	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-207 LimitsParam

Parameter	Type	Description
disable	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.
display_name	String	Name of a parameter.
name	String	Parameter

Status code: 400

Table 4-208 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-209 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-210 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-211 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-212 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/templates/create

Example Responses

Status code: 200

OK

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

```
      "public" : true,
      "favourite" : false,
      "id" : "6561b2ced7a6751941fdc8cd",
      "uuid" : "2d9031c079624376824fe1e2731615dc",
      "template" : {
       "steps" : [ {
         "properties" : {
          "image" : "maven3.5.3-jdk8-open",
          "snapshotArtifact" : {
            "displayName" : "",
            "value" : ""
          },
          "userPrivateRepositories" : [ ],
          "deal" : "notDeal",
          "dependencyCheckParam" : " ",
          "userPublicRepositories" : [ ],
          "settingMode" : "auto",
          "doCheck" : "disable",
          "junitCoverageSwitch" : "false",
          "coverageReportPath" : "**/site/jacoco",
          "releaseArtifact" : {
            "displayName" : "",
            "value" : ""
          },
          "cacheOption" : "cached",
          "command" : "# Function: packaging\nParameter description:\n#-Dmaven.test.skip=true: Skip the
unit test.\n#-U: The dependency update is checked for each build. This avoids the problem that the
snapshot version dependency in the cache is not updated, but some performance is affected.\n#-e -X: prints
debugging information. You are advised to use this parameter to locate difficult build problems.\n#-B: Run
in batch mode to avoid the ArrayIndexOutOfBoundsException exception during log printing.\n# Scenario:
Used for packaging projects when unit tests are not required.\nmvn package -Dmaven.test.skip=true -U -e -
X -B\n\n# Function: packaging; executing unit tests, but ignoring unit test case failures. Dependency
updates are checked for each build.\n#Application scenario: Unit tests need to be executed, and the unit
test report service provided by the build is used to collect statistics on the execution status.\n# Usage
condition: Select Process Unit Test Result in Unit Test and enter the correct path of the test result
file.\n#mvn package -Dmaven.test.failure.ignore=true -U -e -X -B\n\n# Function: Pack and release
dependency packages to the private dependency library.\n#Application scenario: The build result of the
current project needs to be released to the private dependency repository for other Maven projects to
reference.\n#Note: The target repository to be uploaded is the CodeArts private dependency repository.
Note that the target repository must be different from the software release repository.\n#mvn deploy -
Dmaven.test.skip=true -U -e -X -B",
          "file" : "**/TEST*.xml",
          "dependencyProjectDir" : "./",
          "ignoreTest" : "false",
          "pomMode" : "no",
          "dependencySettings" : "~/.m2/settings.xml"
         },
         "module_id" : "devcloud2018.codeci_action_20043.action",
         "name" : "Build with Maven",
         "version" : null,
         "enable" : true
       }, {
         "properties" : {
          "image" : "shell4.2.46-git1.8.3-zip6.00",
          "buildVersion" : "",
          "file" : "bin/*",
          "groupId" : "",
          "name" : ""
         },
         "module_id" : "devcloud2018.codeci_action_20018.action",
         "name" : "Uploading Software Packages to Release Repos",
         "version" : null,
         "enable" : true
       } ]
      },
      "type" : "codeci",
      "name" : "oych_test_temp_ladadad12122313",
      "create_time" : "2023-11-25T08:39:42.098+00:00",
      "domain_id" : "60021bab32fd450aa2cb89226f425e06",
```

```
    "weight" : 0,
    "user_id" : "ae22fd035f354cfa8d82a3f1c8940446",
    "user_name" : "devcloud_codeci_z00485259_02",
    "domain_name" : "devcloud_codeci_z00485259_02",
    "scope" : "custom",
    "description" : "123",
    "intl_description" : { },
    "parameters" : [ {
      "name" : "hudson.model.StringParameterDefinition",
      "params" : [ {
        "name" : "name",
        "value" : "codeBranch",
        "limits" : null
      }, {
        "name" : "type",
        "value" : "normalparam",
        "limits" : null
      }, {
        "name" : "defaultValue",
        "value" : "master",
        "limits" : null
      }, {
        "name" : "description",
        "value" : "Code branch, which is a predefined parameter in the system.",
        "limits" : null
      }, {
        "name" : "deletion",
        "value" : "false",
        "limits" : null
      }, {
        "name" : "defaults",
        "value" : "true",
        "limits" : null
      }, {
        "name" : "staticVar",
        "value" : "false",
        "limits" : null
      }, {
        "name" : "sensitiveVar",
        "value" : "false",
        "limits" : null
      } ]
    } ],
    "i18n" : { }
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.22 Deleting a Build Template

Function

Deleting a Build Template

Calling Method

For details, see **Calling APIs**.

URI

DELETE /v3/templates/{uuid}/delete

Table 4-213 Path Parameters

Parameter	Mandatory	Type	Description
uuid	Yes	String	uuid

Request Parameters

Table 4-214 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-215 Response body parameters

Parameter	Type	Description
result	Array of **CreateTemplatesItems** objects	Template query result
error	String	An error message is returned.
status	String	Returned status information.

Table 4-216 CreateTemplatesItems

Parameter	Type	Description
favourite	Boolean	Indicates whether to add a template to favorites.
id	String	ID in the database.
uuid	String	uuid
template	**QueryTemplate** object	Build step template, which needs to be encapsulated in camel case.
type	String	Template category.
public	Boolean	Whether the Template Is Public
name	String	Template Naming
create_time	String	Created
domain_id	String	domainId
weight	Double	Weight
user_id	String	User ID.
user_name	String	User Name
domain_name	String	Domain Name
scope	String	Template scope. The default value is custom for a user-defined template.
description	String	Template Description
tool_type	String	Build tool type, which can be YAML build or action build.
intl_description	Object	intl Description

Parameter	Type	Description
parameters	Array of **CreateBuildJobParameter** objects	List of build execution parameters
i18n	Object	i18n

Table 4-217 QueryTemplate

Parameter	Type	Description
steps	Array of **CreateBuildJobSteps** objects	Build Execution Steps

Table 4-218 CreateBuildJobSteps

Parameter	Type	Description
properties	Map<String,Object>	Specific Construction Procedure
module_id	String	Indicates the ID of the building module.
name	String	Building Module Name
version	String	Build version
enable	Boolean	Whether to enable this feature.

Table 4-219 CreateBuildJobParameter

Parameter	Type	Description
name	String	Parameter definition name. The default value is hudson.model.StringParameterDefinition.
params	Array of **CreateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-220 CreateBuildJobParameterParam

Parameter	Type	Description
name	String	Parameter Field Name
value	String	Parameter Field Value
limits	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-221 LimitsParam

Parameter	Type	Description
disable	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.
display_name	String	Name of a parameter.
name	String	Parameter

Status code: 400

Table 4-222 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-223 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-224 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-225 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-226 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

DELETE https://{endpoint}/v3/templates/ca9c83214d6344b9bd26d14ba0b519d9/delete

Example Responses

None

Status Codes

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

Status Code	Description
500	Internal Server Error

Error Codes

See **Error Codes**.

4.23 Query a Notification

Function

Query a Notification

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/notice/{job_id}/query

Table 4-227 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Request Parameters

Table 4-228 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-229 Response body parameters

Parameter	Type	Description
result	Array of **QueryJobNoticeItems** objects	Template query result
error	String	An error message is returned.
status	String	Returned status information.

Table 4-230 QueryJobNoticeItems

Parameter	Type	Description
notice_type	String	Notification Type
enable_map	Map<String,Boolean>	Table for notifying breed opening details.
param_config	String	Parameter configuration

Status code: 400

Table 4-231 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-232 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-233 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-234 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-235 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/notice/48c66c6002964721be537cdc6ce0297b/query

Example Responses

Status code: 200

OK

```
{
 "result" : [ {
   "notice_type" : "DING_TALK",
   "enable_map" : {
     "buildJobFail" : false,
     "updateConfigJob" : false,
     "buildJobSuccess" : false,
     "deleteJob" : false,
     "forbiddenJob" : false
   },
   "param_config" : null
 }, {
   "notice_type" : "MAIL",
   "enable_map" : {
     "buildJobFail" : true,
     "updateConfigJob" : false,
```

```
      "buildJobSuccess" : false,
      "deleteJob" : false,
      "forbiddenJob" : false
    },
    "param_config" : null
  }, {
    "notice_type" : "MESSAGE",
    "enable_map" : {
      "buildJobFail" : false,
      "updateConfigJob" : false,
      "buildJobSuccess" : false,
      "deleteJob" : false,
      "forbiddenJob" : false
    },
    "param_config" : null
  } ],
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.24 Sending Asynchronous Notifications When Updating Resource Types

Function

Sending Asynchronous Notifications When Updating Resource Types

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/notice/{job_id}/update

Table 4-236 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Request Parameters

Table 4-237 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Table 4-238 Request body parameters

Parameter	Mandatory	Type	Description
notice_type	Yes	String	Notification Type
enabled_event_type_names	Yes	Array of strings	Types of Enabled Notifications
param_config	No	String	Notification Parameter Configuration

Response Parameters

Status code: 200

Table 4-239 Response body parameters

Parameter	Type	Description
result	String	An error message is returned.
error	String	An error message is returned.

Parameter	Type	Description
status	String	Returned status information.

Status code: 400

Table 4-240 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-241 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-242 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-243 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-244 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/notice/48c66c6002964721be537cdc6ce0297b/update

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "job_id" : "db8467d972cc47f7a1bd2a3a3e77596a"
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.25 Cancel Notification

Function

Cancel Notification

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/notice/{job_id}/disable

Table 4-245 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Table 4-246 Query Parameters

Parameter	Mandatory	Type	Description
notice_type	Yes	String	Notification type, which can be message, email, or DingTalk.

Request Parameters

Table 4-247 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-248 Response body parameters

Parameter	Type	Description
result	String	An error message is returned.
error	String	An error message is returned.
status	String	Returned status information.

Status code: 400

Table 4-249 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-250 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-251 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-252 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes

Parameter	Type	Description
error_msg	String	Description

Status code: 500

Table 4-253 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/notice/48c66c6002964721be537cdc6ce0297b/disable?notice_type=message

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "job_id" : "db8467d972cc47f7a1bd2a3a3e77596a"
  },
  "error" : null,
  "status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

4.26 Obtaining build task Details

Function

Obtaining build task Details

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/query

Table 4-254 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.

Table 4-255 Query Parameters

Parameter	Mandatory	Type	Description
get_all_params	No	String	Enter true or false to control whether the returned parameters are complete.

Request Parameters

Table 4-256 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 4-257 Response body parameters

Parameter	Type	Description
result	Object	Template query result
error	String	An error message is returned.
status	String	Returned status information.

Table 4-258 CreateBuildJobRequestBody

Parameter	Type	Description
arch	String	Architecture Using Machines
project_id	String	ID of the project to which the build task belongs.
job_name	String	Task Name
auto_update_sub_module	String	Indicates whether to automatically update submodules.
flavor	String	Executor Specifications
parameters	Array of **CreateBuildJobParameter** objects	List of build execution parameters
scms	Array of **CreateBuildJobScm** objects	Build Execution SCM
steps	Array of **CreateBuildJobSteps** objects	Build Execution Steps
host_type	String	Host Type
build_config_type	String	Configuration Type

Table 4-259 CreateBuildJobParameter

Parameter	Type	Description
name	String	Parameter definition name. The default value is hudson.model.StringParameterDefinition.
params	Array of **CreateBuildJobParameterParam** objects	Subparameters of Construction Execution Parameters

Table 4-260 CreateBuildJobParameterParam

Parameter	Type	Description
name	String	Parameter Field Name
value	String	Parameter Field Value
limits	Array of **LimitsParam** objects	Restrictions on Enumeration Parameters

Table 4-261 LimitsParam

Parameter	Type	Description
disable	String	Indicates whether the configuration takes effect. The default value is 0, indicating that the configuration takes effect.
display_name	String	Name of a parameter.
name	String	Parameter

Table 4-262 CreateBuildJobScm

Parameter	Type	Description
branch	String	Branch
url	String	Code Repository Address
repo_id	String	Specifies the Repo ID.
web_url	String	HTTP address of the code repository
scm_type	String	Repository type, such as Repo and GitHub.

Parameter	Type	Description
is_auto_build	Boolean	Indicates whether to automatically build.
build_type	String	Build Type
depth	String	Clone Depth
end_point_id	String	endpointId
source	String	source

Table 4-263 CreateBuildJobSteps

Parameter	Type	Description
properties	Map<String,Object>	Specific Construction Procedure
module_id	String	Indicates the ID of the building module.
name	String	Building Module Name
version	String	Build version
enable	Boolean	Whether to enable this feature.

Status code: 400

Table 4-264 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 4-265 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 4-266 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 4-267 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 4-268 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

POST https://{endpoint}/v3/jobs/48c66c6002964721be537cdc6ce0297b/query

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "steps" : [ {
      "properties" : {
        "image" : "maven3.5.3-jdk8-open",
        "snapshotArtifact" : {
          "displayName" : "",
          "value" : ""
        },
        "userPrivateRepositories" : [ ],
        "deal" : "notDeal",
        "dependencyCheckParam" : " ",
        "userPublicRepositories" : [ ],
        "settingMode" : "auto",
        "doCheck" : "disable",
        "junitCoverageSwitch" : false,
```

```
      "coverageReportPath" : "**/site/jacoco",
      "releaseArtifact" : {
        "displayName" : "",
        "value" : ""
      },
      "cacheOption" : "cached",
      "command" : "# Function: packaging\n# Parameter description:\n#-Dmaven.test.skip=true: Skip the
unit test.\n#-U: The dependency update is checked for each build. This avoids the problem that the
snapshot version dependency in the cache is not updated, but some performance is affected.\n#-e -X: prints
debugging information. You are advised to use this parameter to locate difficult build problems.\n#-B: Run
in batch mode to avoid the ArrayIndexOutOfBoundsException exception during log printing.\n# Scenario:
Used for packaging projects when unit tests are not required.\nmvn package -Dmaven.test.skip=true -U -e -
X -B\n\n# Function: packaging; executing unit tests, but ignoring unit test case failures. Dependency
updates are checked for each build.\n#Application scenario: Unit tests need to be executed, and the unit
test report service provided by the build is used to collect statistics on the execution status.\n# Usage
condition: Select Process Unit Test Result in Unit Test and enter the correct path of the test result
file.\n#mvn package -Dmaven.test.failure.ignore=true -U -e -X -B\n\n# Function: Pack and release
dependency packages to the private dependency library.\n#Application scenario: The build result of the
current project needs to be released to the private dependency repository for other Maven projects to
reference.\n#Note: The target repository to be uploaded is the CodeArts private dependency repository.
Note that the target repository must be different from the software release repository.\n#mvn deploy -
Dmaven.test.skip=true -U -e -X -B",
      "file" : "**/TEST*.xml",
      "dependencyProjectDir" : "./",
      "ignoreTest" : false,
      "pomMode" : "no",
      "dependencySettings" : "~/.m2/settings.xml"
    },
    "module_id" : "devcloud2018.codeci_action_20043.action",
    "name" : "Build with Maven",
    "version" : null,
    "enable" : true
  }, {
    "properties" : {
      "image" : "shell4.2.46-git1.8.3-zip6.00",
      "buildVersion" : "",
      "file" : "**/target/*.?ar",
      "groupId" : "",
      "name" : ""
    },
    "module_id" : "devcloud2018.codeci_action_20018.action",
    "name" : "Uploading Software Packages to Release Repos",
    "version" : null,
    "enable" : true
  } ],
  "arch" : "x86-64",
  "project_id" : "a287e712be6c404ca26e5f69040fa12b",
  "job_name" : "oychap213i2",
  "job_id" : "35b6c7da9e644dbbb7e333579f89dcda",
  "auto_update_sub_module" : "false",
  "flavor" : "2u8g",
  "parameters" : [ {
    "name" : "hudson.model.StringParameterDefinition",
    "params" : [ {
      "name" : "name",
      "value" : "codeBranch",
      "limits" : null
    }, {
      "name" : "type",
      "value" : "normalparam",
      "limits" : null
    }, {
      "name" : "defaultValue",
      "value" : "master",
      "limits" : null
    }, {
      "name" : "description",
      "value" : "Code branch, which is a predefined parameter in the system.",
      "limits" : null
```

```
    }, {
      "name" : "deletion",
      "value" : "false",
      "limits" : null
    }, {
      "name" : "defaults",
      "value" : "true",
      "limits" : null
    }, {
      "name" : "staticVar",
      "value" : "false",
      "limits" : null
    }, {
      "name" : "sensitiveVar",
      "value" : "false",
      "limits" : null
    } ]
  } ],
  "scms" : [ {
    "branch" : "master",
    "url" : "git@codehub.devcloud.cn-north-7.ulanqab.huawei.com:soso-test00001/an.git",
    "is_auto_build" : false,
    "scm_type" : "codehub",
    "end_point_id" : null,
    "web_url" : "https://devcloud.cn-north-7.ulanqab.huawei.com/codehub/2111746211/home",
    "source" : null,
    "build_type" : "branch",
    "depth" : "1",
    "repo_id" : "2111746211"
  } ],
  "host_type" : "devcloud"
},
"error" : null,
"status" : "success"
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

5 Out-of-DateAPIs (Unavailable Soon)

5.1 Downloading Build Logs (To Be Taken Offline)

Function

Downloading Build Logs (To Be Taken Offline)

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/{record_id}/download-log

Table 5-1 Path Parameters

Parameter	Mandatory	Type	Description
record_id	Yes	String	Record ID, which is a string of 36 characters consisting of digits, lowercase letters, and hyphens (-).

Request Parameters

Table 5-2 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 400

Table 5-3 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 5-4 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 5-5 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 5-6 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 5-7 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/2cc26382-b2cb-4234-8eb0-b37d362f4d4c/download-log

Example Responses

None

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

5.2 Obtaining a Directed Acyclic Graph of Build Records (To Be Offline)

Function

Obtaining a Directed Acyclic Graph of Build Records (To Be Offline)

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/{build_flow_record_id}/flow-graph

Table 5-8 Path Parameters

Parameter	Mandatory	Type	Description
build_flow_rec ord_id	Yes	String	Parent Task Construction Record ID

Request Parameters

Table 5-9 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 5-10 Response body parameters

Parameter	Type	Description
success	Boolean	Status

Parameter	Type	Description
message	String	Message
err_code	String	Error code.
result	**result** object	Result

Table 5-11 result

Parameter	Type	Description
edges	Array of **edges** objects	edges
vertices	Array of **Vertices** objects	Record information

Table 5-12 edges

Parameter	Type	Description
from	String	Dependent Subtask ID
to	String	ID of the depended subtask.

Table 5-13 Vertices

Parameter	Type	Description
id	String	Subtask Construction Record ID
status	String	Subtask Execution Status
display_name	String	Specifies the subtask name.
build_duration	Integer	Subtask Construction Duration
start_time	String	Start time of a sub-job.
finish_time	String	End time of a sub-job.
build_no	String	Subtask Construction ID

Status code: 400

Table 5-14 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 5-15 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 5-16 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 5-17 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 5-18 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

```
GET https://{endpoint}/v3/2ab0e6a3-3e1a-4708-bb16-fff2b0999027/flow-graph
```

Example Responses

Status code: 200

OK

```
{
  "success" : true,
  "result" : {
    "edges" : [ {
      "from" : "d5587caf-05d7-42af-8ed2-daa20eb1de1b",
      "to" : "af81a8ff-1d53-4e0a-9108-fa7880366e73"
    } ],
    "vertices" : [ {
      "id" : "7607d919-6c21-43b3-a06e-ee016ff8e7c7",
      "status" : "SUCCESS",
      "display_name" : "job4",
      "build_duration" : 38156,
      "start_time" : "2020-12-30T17:33:11+08:00",
      "finish_time" : "2020-12-30T17:33:27+08:00",
      "build_no" : "535"
    } ]
  }
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

5.3 Obtaining Build Records (To Be Offline)

Function

Obtaining Build Records (To Be Offline)

Calling Method

For details, see **Calling APIs**.

URI

GET /v3/jobs/{job_id}/{build_no}/record-info

Table 5-19 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Indicates the ID of the build task. The value is a string of 32 characters consisting of digits and letters at the end of the browser URL when you edit the build task file.
build_no	Yes	Integer	build task build ID, which starts from 1 and increases by 1 for each build.

Request Parameters

Table 5-20 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Response Parameters

Status code: 200

Table 5-21 Response body parameters

Parameter	Type	Description
success	Boolean	Status
message	String	Message
err_code	String	Error code.

Parameter	Type	Description
result	**result** object	Result

Table 5-22 result

Parameter	Type	Description
id	String	id
build_project_id	String	Build project ID, which uniquely corresponds to codeci_job_id.
build_record_id	String	Build Record ID
parent_record_id	String	Parent Build Record ID
devcloud_project_id	String	Project ID
codeci_job_id	String	CodeCI task ID, which uniquely corresponds to build_project_id.
user_id	String	Specifies the user ID.
build_no	Integer	Build ID
daily_build_num	String	Daily build number, starting from 1 every day
execution_id	String	Octopus Fish Task ID
repo_name	String	Repository name.
repo_id	String	Specifies the repository ID.
branch	String	Repository Branch
tag	String	Repository Tag
commit	String	Repository commit ID
commit_message	String	Warehouse Commit Submission Information
commit_create_time	String	Commit creation time.
trigger_type	String	Trigger Type
build_type	String	Building Type
status	String	Status
domain_id	String	Tenant ID.

Parameter	Type	Description
create_time	String	Indicates the time when the task is created.
schedule_time	String	Time Required for Building and Delivering
queued_time	String	Construction Queuing Duration
start_time	String	Construction Start Time
runnable_time	String	Time for the octopus fish to really start building
finish_time	String	End time of the build.
duration	Float	Build duration
record_status	String	Record status.
use_private_slave	Integer	Whether to use a customized executor
region	String	Region where the tenant is located
err_msg	String	Error Message
build_config_type	String	Build configuration type, which can be YAML or ACTION.

Status code: 400

Table 5-23 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 5-24 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 5-25 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 5-26 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 5-27 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

GET https://{endpoint}/v3/jobs/cb5fa20de5fd4cf8be681d4bd6fdd2f6/61/record-info

Example Responses

Status code: 200

OK

```
{
  "success" : true,
  "result" : {
    "id" : "eb9d73c7-61b3-4823-b476-a7c00c493b8a",
    "build_project_id" : "31581e9f-5772-4053-a50c-d5690578c8fd",
    "build_record_id" : "9d6169b9-022d-458c-9dc8-48cc94cc4083",
    "parent_record_id" : null,
    "devcloud_project_id" : "b4d3971c3988463b865f6f920846149e",
    "codeci_job_id" : "68491d9bc97b4774adb93e29b46d2dc6",
    "user_id" : "ae22fd035f354cfa8d82a3f1c8940446",
    "build_no" : 532,
    "daily_build_num" : "20221011.29",
    "execution_id" : "j_YE1bu9Z7",
    "repo_name" : "maven",
    "repo_id" : "2111616838",
    "branch" : "buildflow_env",
```

```
     "tag" : null,
     "commit" : null,
     "commit_message" : null,
     "commit_create_time" : "2022-10-11T08:28:42.000+00:00",
     "trigger_type" : "MANUAL",
     "build_type" : "branch",
     "status" : "SUCCESS",
     "domain_id" : "60021bab32fd450aa2cb89226f425e06",
     "create_time" : "2022-10-11T08:28:42.000+00:00",
     "schedule_time" : "2022-10-11T08:28:45.000+00:00",
     "queued_time" : "2022-10-11T08:28:45.000+00:00",
     "start_time" : "2022-10-11T08:28:47.000+00:00",
     "runnable_time" : "2022-10-11T08:16:04.000+00:00",
     "finish_time" : "2022-10-11T08:30:27.000+00:00",
     "duration" : 100068,
     "record_status" : null,
     "use_private_slave" : 0,
     "region" : "cn-north-7",
     "err_msg" : null,
     "build_config_type" : "YAML"
   }
 }
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

5.4 Stopping the build task (To Be Offline)

Function

Stopping the build task (To Be Offline)

Calling Method

For details, see **Calling APIs**.

URI

POST /v3/jobs/stop

Request Parameters

Table 5-28 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. Obtain the value by calling the IAM service interface. (value of X-Subject-Token in the response header). Global tenant tokens are not supported. Use a region-level token whose scope is project.

Table 5-29 Request body parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	build task ID, which is a string of 32 characters consisting of digits and letters at the end of the browser URL when the build task is edited.
build_no	Yes	String	build task build ID, which starts from 1 and increases by 1 for each build.

Response Parameters

Status code: 200

Table 5-30 Response body parameters

Parameter	Type	Description
result	Boolean	Result of stopping the build

Status code: 400

Table 5-31 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 401

Table 5-32 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 403

Table 5-33 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 404

Table 5-34 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Status code: 500

Table 5-35 Response body parameters

Parameter	Type	Description
error_code	String	Error Codes
error_msg	String	Description

Example Requests

```
POST https://{endpoint}/v3/jobs/Stop

{
  "job_id" : "f9d6c8466d614a9788e9a0acf6c15f46",
  "build_no" : "20"
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : true
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See **Error Codes**.

6 Application Examples

6.1 Example 1: Executing a Build Task and Checking Its Status

Scenario

This section describes how to use APIs to execute a build task and check whether the task is running.

For details about how to call APIs, see **Calling APIs**.

Constraints

The build task to execute has already been created in CodeArts Build.

Involved APIs

Execute the build task using a user token and task ID, and then check the task status based on the task ID. The procedure is as follows:

1. **Executing a build task**.
2. **Querying task running status**.

Procedure

Step 1 Execute a build task.

- API information

  URI: **POST /v3/jobs/build**

  For details about the API, see **Execute the Build Task**.

- Example request

  POST https://build-backend.eu-west-101.myhuaweicloud.eu/v3/jobs/build

- Example request body

  ```
  {
      "job_id": "3341eaf0de6844669f07baa1ddfc9..."
  }
  ```

● Example response

```
{
    "octopus_job_name": "j_WfRE6eOY",
    "actual_build_number": "55",
    "daily_build_number": "20200825.1"
}
```

Step 2 Check whether the task is running.

● API information

URI: **GET /v3/jobs/***{job_id}***/status**

For details about the API, see **Viewing the Running Status of a Task**.

● Example request

```
GET  https://build-backend.eu-west-101.myhuaweicloud.eu/v3/jobs/3341eaf0de6844669f07bdfc9.../
status
```

● Example response

```
{
    "result": false
}
```

----End

6.2 Example 2: Querying Build Tasks by Project ID

Scenario

This section describes how to use an API to query build tasks by project ID.

For details about how to call APIs, see **Calling APIs**.

Constraints

The project already exists and build tasks have already been created in CodeArts Build.

Involved APIs

API for **querying build tasks** by user token and project ID.

Procedure

Step 1 Query the build tasks in a specified project.

● API information

URI: **GET /v3/***{project_id}***/jobs**

For details about the API, see **Viewing the build task List of Users in a Project**.

● Example request

```
GET  https://build-backend.eu-west-101.myhuaweicloud.eu/v3/8391ec48637849f384dd3db5c8d61.../
jobs?page_index=0&page_size=2
```

● Example response

```
{
    "total": 35,
```

```
    "jobs": [{
        "id": "d62d64d7782545c696ffaacc9ac9c69a",
        "job_name": "Build-Create_Images_and_Push_to_SWR",
        "job_creator": "b7066bfb50194e36b472a61f088bbf72",
        "user_name": "L0_codeci",
        "last_build_time": 1598438571000,
        "health_score": 100,
        "source_code": "codeci",
        "last_build_status": "blue",
        "is_finished": true,
        "disabled": false,
        "favorite": true,
        "is_modify": true,
        "is_delete": true,
        "is_execute": true,
        "is_copy": true,
        "is_forbidden": true,
        "is_view": true
    },
    {
        "id": "4485de11a8e74ffdb9c9f85bafb85f83",
        "job_name": "Build-Use_SWR_Public_Images",
        "job_creator": "b7066bfb50194e36b472a61f088bbf72",
        "user_name": "L0_codeci",
        "last_build_time": 1598438567000,
        "health_score": 100,
        "source_code": "codeci",
        "last_build_status": "blue",
        "is_finished": true,
        "disabled": false,
        "favorite": true,
        "is_modify": true,
        "is_delete": true,
        "is_execute": true,
        "is_copy": true,
        "is_forbidden": true,
        "is_view": true
    }]
}
```

----End

7 Appendix

7.1 Status Codes

Table 7-1 describes status codes.

Table 7-1 Status codes

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

Status Code	Message	Description
205	Reset Content	The server has fulfilled the request, but the requester is required to reset the content.
206	Partial Content	The server has fulfilled the partial GET request for the resource.
300	Multiple Choices	The response contains a list of resource characteristics and addresses from which a user terminal (such as a browser) can choose the most appropriate one.
301	Moved Permanently	This and all future requests have been permanently moved to the given URI indicated in this response.
302	Found	The requested resource has been temporarily moved.
303	See Other	The response to the request can be found under a different URI and should be retrieved using a GET or POST method.
304	Not Modified	The requested resource has not been modified. When the server returns this status code, no resource is returned.
305	Use Proxy	The requested resource is available only through a proxy.
306	Unused	This HTTP status code is no longer used.
400	BadRequest	Invalid request. The client should modify the request instead of re-initiating it.
401	Unauthorized	The authentication information provided by the client is incorrect or invalid.
402	Payment Required	Reserved request.
403	Forbidden	Request rejected. The server has received the request and understood it, but refuses to respond to it. The client should not repeat the request without modifications.
404	NotFound	The requested resource cannot be found. The client should modify the request instead of re-initiating it.

Status Code	Message	Description
405	MethodNotAllowed	The method specified in the request is not allowed for the requested resource. The client should modify the request instead of re-initiating it.
406	Not Acceptable	The server cannot implement the request based on the content characteristics of the request.
407	Proxy Authentication Required	This code is similar to 401, but indicates that the client must first authenticate itself with the proxy.
408	Request Time-out	The server timed out waiting for the request. The client may re-initiate the request without modifications at any time later.
409	Conflict	The request cannot be processed due to a conflict. This status code indicates that the resource that the client attempts to create already exits, or the request fails to be processed because of the update of the conflict request.
410	Gone	The requested resource cannot be found. This status code indicates that the requested resource has been deleted permanently.
411	Length Required	The server refused to process the request because the request does not specify the length of its content.
412	Precondition Failed	The server does not meet one of the preconditions that the requester puts on the request.
413	Request Entity Too Large	The server refuses to process a request because the request is too large. The server may disable the connection to prevent the client from sending requests consecutively. If the server temporarily cannot process the request, the response will contain a **Retry-After** header field.
414	Request-URI Too Large	The request URI is too long for the server to process.
415	Unsupported Media Type	The server does not support the media type in the request.
416	Requested range not satisfiable	The requested range is invalid.

Status Code	Message	Description
417	Expectation Failed	The server fails to meet the requirements of the **Expect** request header field.
422	UnprocessableEntity	The request is well-formed but is unable to respond due to semantic errors.
429	TooManyRequests	The client sends too many requests to the server within a given time, exceeding the client's access frequency limit or beyond the server's processing capability. In this case, the client should repeat requests after the time specified in the **Retry-After** header of the response expires.
500	InternalServerError	The server is able to receive the request but it cannot understand the request.
501	Not Implemented	The server does not support the requested function, and therefore cannot implement the request.
502	Bad Gateway	The server acting as a gateway or proxy receives an invalid response from a remote server.
503	ServiceUnavailable	The requested service is invalid. The client should modify the request instead of re-initiating it.
504	ServerTimeout	The server could not return a timely response. The response will reach the client only if the request carries a timeout parameter.
505	HTTP Version not supported	The server does not support the HTTP protocol version used in the request.

7.2 Error Codes

If an error occurs in API calling and no result is returned, identify the error cause based on the error codes of each API.

If an error occurs in API calling (for example, HTTP status code **400** or **505** is returned), the response body contains the specific error code and information.

If you are unable to identify the cause of an error, contact customer service and provide the error code so that we can help you solve the problem as soon as possible.

Error Response Body Format

If an error occurs during API calling, the system returns an error code and message to you. The following shows the format of an error response body:

```
{
   "error_msg": "Internal service exception",
   "error_code": "CB.00060101"
}
```

In the preceding information, **error_code** is an error code, and **error_msg** describes the error.

Error Code Description

If an error code starting with **APIGW** is returned after you call an API, rectify the fault by referring to the instructions provided in **API Gateway Error Codes**.

Status Code	Error Code	Error Message	Description	Measure
500	CB.00060100	Network busy. Try again later.	Network busy. Try again later.	Try again later.
500	CB.00060101	Internal error.	Internal error.	Internal error.
400	CB.00060200	Invalid parameter.	Invalid parameter.	Check whether the parameter value is valid.
400	CB.00060201	Invalid task ID.	Invalid task ID.	Enter a valid task ID.
400	CB.00060202	Invalid service ID.	Invalid service ID.	The service ID can contain only lowercase letters and digits. Check whether the parameter is valid.
400	CB.00060203	Invalid file name.	Invalid file name.	The file name cannot be empty and cannot exceed 500 characters.
500	CB.00060211	Too many requests. Try again later.	Too many requests. Try again later.	Try again later.
400	CB.00060212	The file cannot be empty.	The file cannot be empty.	Check whether a file is selected for upload.
400	CB.00060213	You can upload a maximum of x files.	You can upload a maximum of x files.	Reduce the number of files to be uploaded at a time.

Status Code	Error Code	Error Message	Description	Measure
404	CB.00060214	URL not found.	Invalid URL.	Check whether the requested URL is correct.

7.3 Obtaining a Project ID

Obtaining a Project ID by Calling an API

You can obtain a project ID by calling the API used to **query projects based on specified criteria**.

The API used to obtain a project ID is **GET https://**{*Endpoint*}**/v3/projects/**, where {*Endpoint*} indicates the IAM endpoint. You can obtain the IAM endpoint from **Regions and Endpoints**. For details about API authentication, see **Authentication**.

In the following example, **id** indicates the project ID.

```
{
    "projects": [
        {
            "domain_id": "65382450e8f64ac0870cd180d14e684b",
            "is_domain": false,
            "parent_id": "65382450e8f64ac0870cd180d14e684b",


            "name": "eu-west-101",
            "description": "",
            "links": {
                "next": null,
                "previous": null,
                "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
            },
            "id": "a4a5d4098fb4474fa22cd05f897d6b99",
            "enabled": true
        }
    ],
    "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects"
    }
}
```
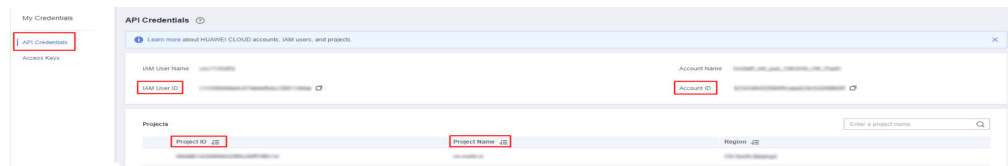
Obtaining a Project ID from the Console

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

1. Log in to the management console.

2. Hover over your username in the upper right corner and choose **My Credentials** from the drop-down list.

   On the **API Credentials** page, view project IDs in the project list.

**Figure 7-1** Viewing project IDs

7.4 Obtaining an Account ID

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

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

   On the **API Credentials** page, view the **Account ID**.

Figure 7-2 Obtaining the account ID
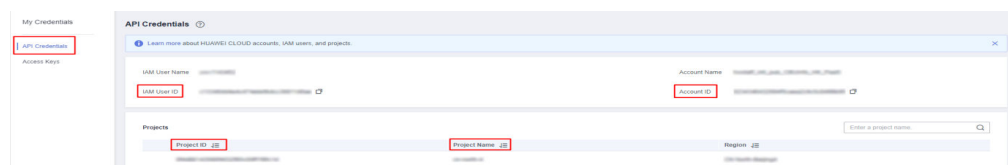
8 Change History

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

What's New	Released On
This is the first official release.	2023-11-30