

CodeArts Build

API Reference

Issue	01
Date	2025-09-22



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1 Before You Start

Welcome to CodeArts Build. CodeArts Build provides an easy-to-use, cloud-based build platform that supports multiple programming languages, helping you achieve continuous delivery with higher efficiency. With just a few clicks, you can easily create, configure, and run build tasks to automate code retrieval, build, and packaging. CodeArts Build also monitors build status in real time.

This document describes how to use application programming interfaces (APIs) to perform CodeArts Build operations, such as running 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 [Service Overview](#).

Endpoints

An endpoint is the request address for calling an API. Endpoints vary with services and regions.

Table 1-1 lists the CodeArts Build endpoints. Select the one that fits your service needs.

Table 1-1 CodeArts Build endpoints

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

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 particular 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 (HA) systems.
- **Project**
Projects group and isolate resources (including computing, storage, and network resources) across physical regions. A default project is provided for each region, and subprojects can be created under each default project. Users can be granted permissions to access all resources in a specific project.
For more refined access control, create subprojects under a project and purchase resources in the subprojects. Then you can assign required permissions for users to access only resources in specific subprojects.
- **Build task**
A task used for compilation and build.
- **Enterprise project**
An enterprise project groups and manages enterprise resources in a logically isolated manner. It can contain resources in multiple regions, and allow resources to be added or removed.
For details about how to obtain enterprise project IDs and features, see [Enterprise Management User Guide](#).

2 API Overview

Table 2-1 CodeArts Build APIs

Type	API Description
Task APIs	CodeArts Build APIs that are currently operational and accessible for use
CodeArts Build APIs (Unavailable Soon)	APIs that are slated for retirement

3 Calling APIs

3.1 Making an API Request

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

Request URI

Although a request URI is included in the request header, most programming languages or frameworks require the request URI to be 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 with services in different regions. It can be obtained from Endpoints . For example, the endpoint of IAM in the EU-Dublin region is iam.eu-west-101.myhuaweicloud.eu .
resource-path	Access path of an API for performing a specified operation. The path is part of the API URI. For example, resource-path of the API for an administrator to create an IAM user is /v3.0/OS-USER/users .
query-string	(Optional) Query parameter. Prepend each query parameter with a question mark (?). The parameter format follows " <i>Parameter name=Parameter value</i> ". For example, ?limit=10 indicates that a maximum of 10 data records will be displayed.

For example, if you want to create an IAM user, use the endpoint of any region because IAM is a global service. Obtain the endpoint of the **EU-Dublin** region (**iam.eu-west-101.myhuaweicloud.eu**) and find **resource-path** (**/v3.0/OS-USER/users**) in the URI of the API for **creating an IAM user**. Then, construct them as follows:

```
https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
```

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 URI of the API for **creating an IAM user**, the request method is **POST**. An example request is as follows:

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
```

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:

- **Content-Type**: specifies the request body type or format. This field is mandatory and its default value is **application/json**. Other values of this field are provided for specific APIs, if any.

- **Authorization:** provides signature authentication information. This field is optional. When AK/SK authentication is enabled, this field is automatically specified for signing the request with SDK. For more information, see [AK/SK-based Authentication](#).
- **X-Sdk-Date:** specifies the time when a request is sent. This field is optional. When AK/SK authentication is enabled, this field is automatically specified for signing the request with SDK. For more information, see [AK/SK-based Authentication](#).
- **X-Auth-Token:** specifies a user token. This field is mandatory only when token-based API authentication is used. The user token is a response to the API used to [obtain a user token](#). Only this API does not require authentication.
- **X-Project-ID:** specifies a subproject ID. This parameter is optional. It is used in multi-project scenarios. The **X-Project-ID** field is mandatory in the request header for accessing resources in a sub-project through AK/SK-based authentication.
- **X-Domain-ID:** specifies the account ID, which is optional. When you call APIs of global services using AK/SK-based authentication, **X-Domain-ID** needs to be configured in the request header.

The following shows an example request of the API for [creating an IAM user](#) when AK/SK authentication is used:

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
Content-Type: application/json
X-Sdk-Date: 20240416T095341Z
Authorization: SDK-HMAC-SHA256 Access=*****, SignedHeaders=content-type;host;x-sdk-date,
Signature=*****
```

Request Body

A request body is often sent in a structured format defined by the request header field **Content-Type** and transfers information except the request header.

Request bodies vary with APIs. Some APIs do not require a request body, such as the APIs using **GET** and **DELETE** methods.

For the API used to [create an IAM user as an administrator](#), you can find the request parameters and their descriptions in the API request. The following provides an example request with a body included. Replace the bold fields with the actual values.

- **accountid** indicates the ID of the account to which the IAM user belongs.
- **username** indicates the username of the IAM user to be created.
- **email** indicates the email address of the IAM user.
- ********* indicates the login password of the IAM user.

```
POST https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/users
Content-Type: application/json
X-Sdk-Date: 20240416T095341Z
Authorization: SDK-HMAC-SHA256 Access=*****, SignedHeaders=content-type;host;x-sdk-date,
Signature=*****

{
  "user": {
    "domain_id": "accountid",
```

```
{
  "name": "username",
  "password": "*****",
  "email": "email",
  "description": "IAM User Description"
}
```

If all data required for the API request is available, you can send the request to call the API through curl, Postman, or coding.

3.2 Authentication

You can use either of the following authentication methods when calling APIs:

- Token-based authentication. General requests are authenticated using tokens.
- AK/SK-based authentication: Requests are encrypted using an Access Key ID/Secret Access Key (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 API for obtaining a user token.
- Ensure that the token is valid when you use it. Using a token that will soon expire may cause API calling failures.

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

A project-level token is required for calling CodeArts Build APIs. When calling an API to [obtain a user token](#), set **auth.scope** in the request body to **project**, as shown in the following example.

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

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

```
GET https://iam.eu-west-101.myhuaweicloud.eu/v3.0/OS-USER/userss
Content-Type: application/json
X-Auth-Token: ABCDEFJ....
```

AK/SK-based Authentication

You can use AK/SK to verify the identity of a request sender. In AK/SK-based authentication, a signature needs to be obtained through the request signing process and then added to the request headers.

NOTE

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

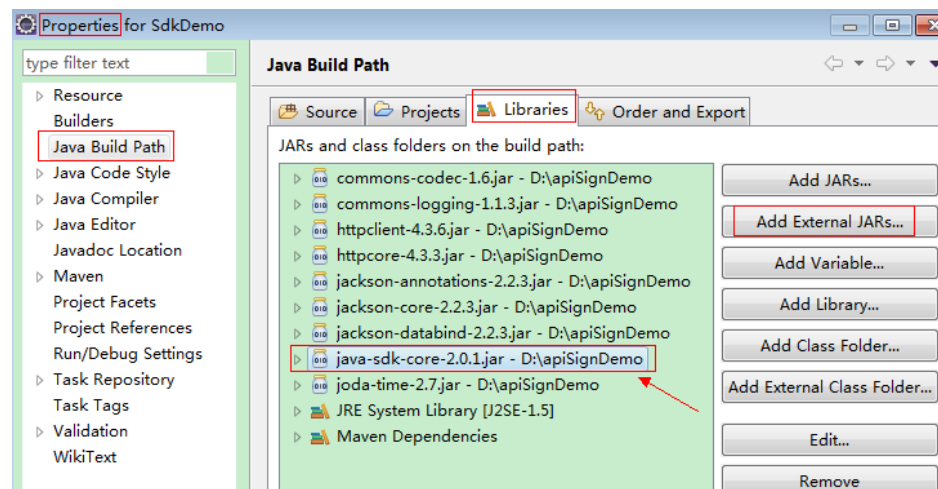
SK: secret access key used in conjunction with an AK to sign requests cryptographically. It identifies a request sender and prevents the request from being modified.

The following uses a demo project to show how to sign a request and use an HTTP client to send an HTTPS request.

Download the demo from <https://github.com/api-gate-way/SdkDemo>.

If you do not need the demo project, download the API Gateway signing tool and reference it in other projects.

Decompress the downloaded package to obtain a JAR file. Reference the obtained JAR file as a dependency, as shown in the following figure.



Step 1 Create an AK/SK pair. If an AK/SK pair has already been generated, skip this step. Find the downloaded AK/SK file, which is usually named **credentials.csv**.

1. Log in to the management console.
2. Hover over your username and select **My Credentials** from the drop-down list.
3. In the navigation pane, click **Access Keys**.
4. Click **Create Access Key**.
5. On the displayed page, enter your login password.
6. Enter the verification code sent to your email or mobile phone.

 NOTE

For users created in IAM, if no email address or phone number was specified during the user creation, only a login password is required.

7. Click **OK** to download the access key.

 NOTE

Keep the access key secure.

Step 2 Obtain and decompress the demo project.

Step 3 Import the demo project to Eclipse.

Figure 3-1 Selecting an existing project

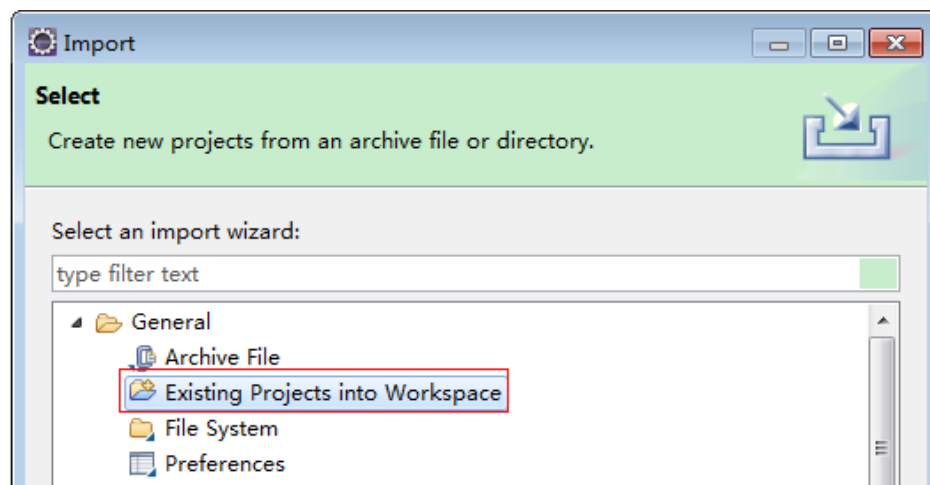


Figure 3-2 Selecting the demo project

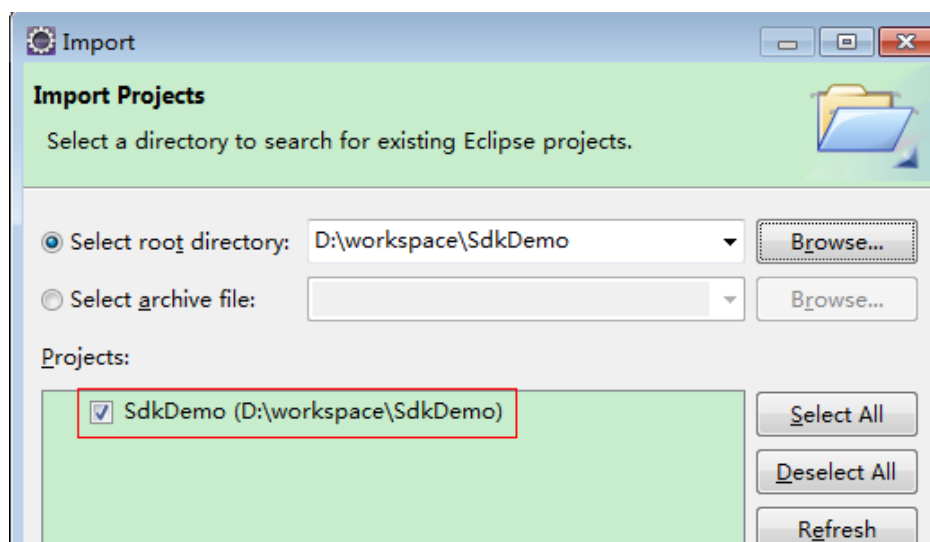
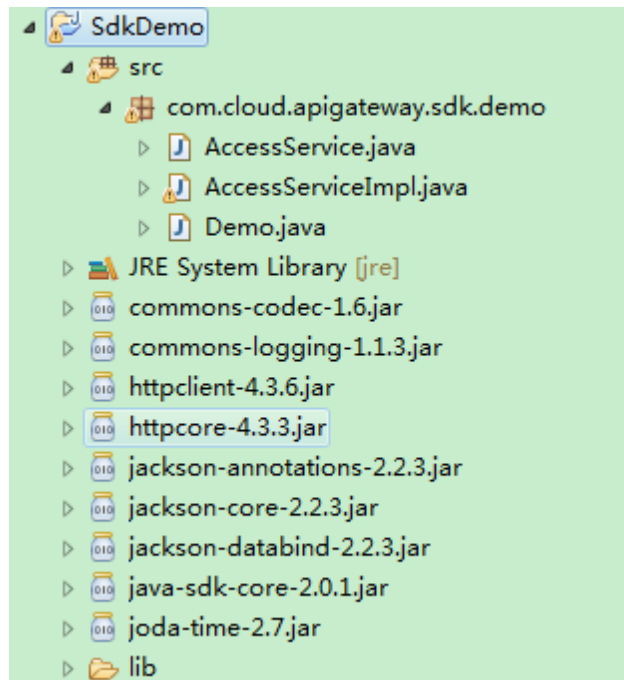


Figure 3-3 Example structure of the demo project**Step 4** Sign the request.

The signature method is integrated into the JAR file imported in [step 3](#). Sign a request before sending it. The signature will be included in the HTTP header of the request.

The demo code is classified into the following classes for demonstration:

- **AccessService**: It is an abstract class that integrates the GET, POST, PUT, and DELETE methods into the **access** method.
- **Demo**: It is an execution entry used to simulate the sending of GET, POST, PUT, and DELETE requests.
- **AccessServiceImpl**: It implements the **access** method, which contains the code required for communication with API Gateway.

1. (Optional) Add request headers.

Locate the following lines in the **AccessServiceImpl.java** file, uncomment them, and replace the subproject ID and account ID with the actual ones.

```
//TODO: Add special headers.  
//request.addHeader("X-Project-Id", "xxxxx");  
//request.addHeader("X-Domain-Id", "xxxxx");
```

2. Edit the **main** method in the **Demo.java** file.

Replace the bold texts with actual values. If you use other methods, such as POST, PUT, and DELETE, see the corresponding comments.

Replace **region**, **serviceName**, **AK/SK**, and **URL** with the actual values. In the demo, the URL for obtaining the VPC is used. Replace it with the required URL. For details about how to obtain the project ID in the URL, see [Obtaining an IAM Project ID](#). For details about how to obtain the endpoint, see [Endpoints](#).

```
//TODO: Replace region with the name of the region in which the service to be accessed is located.  
private static final String region = "";
```

```
//TODO: Replace vpc with the name of the service you want to access. For example, ecs, vpc, iam,
and elb.
private static final String serviceName = "";

public static void main(String[] args) throws UnsupportedOperationException
{
//TODO: Replace the AK and SK with those obtained on the My Credential page.
String ak = "ZIRRKMTWP*****1WKNKB";
String sk = "Us0mdMNHk*****YrCnW0ecfzl";

//TODO: To specify a project ID (multi-project scenarios), add the X-Project-Id header.
//TODO: To access a global service, such as IAM, DNS, CDN, and TMS, add the X-Domain-Id header
to specify an account ID.
//TODO: To add a header, find "Add special headers" in the AccessServiceImpl.java file.

//TODO: Test the API
String url = "https://{Endpoint}/v1/{project_id}/vpcs";
get(ak, sk, url);

//TODO: When creating a VPC, replace {project_id} in postUrl with the actual value.
//String postUrl = "https://serviceEndpoint/v1/{project_id}/cloudservers";
//String postbody = "{\"vpc\": {\"name\": \"vpc\", \"cidr\": \"192.168.0.0/16\"}}";
//post(ak, sk, postUrl, postbody);

//TODO: When querying a VPC, replace {project_id} in url with the actual value.
//String url = "https://serviceEndpoint/v1/{project_id}/vpcs/{vpc_id}";
//get(ak, sk, url);

//TODO: When updating a VPC, replace {project_id} and {vpc_id} in putUrl with the actual values.
//String putUrl = "https://serviceEndpoint/v1/{project_id}/vpcs/{vpc_id}";
//String putbody = "{\"vpc\": {\"name\": \"vpc1\", \"cidr\": \"192.168.0.0/16\"}}";
//put(ak, sk, putUrl, putbody);

//TODO: When deleting a VPC, replace {project_id} and {vpc_id} in deleteUrl with the actual values.
//String deleteUrl = "https://serviceEndpoint/v1/{project_id}/vpcs/{vpc_id}";
//delete(ak, sk, deleteUrl);
}
```

3. Compile and run the code to call an API.

In the **Package Explorer** area on the left, right-click **Demo.java**, and choose **Run AS > Java Application** to run the demo code.

You can view the calling logs on the console.

----End

3.3 Response

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

Status Code

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

For example, if status code **201** is returned after calling the API for [creating an IAM user as an administrator](#), the request is successful.

Response Header

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

For example, the response headers shown in [Figure 3-4](#) are returned after calling the API for [creating an IAM user as an administrator](#).

Figure 3-4 Response headers

```
"X-Frame-Options": "SAMEORIGIN",
"X-IAM-ETag-id": "2562365939-d8f6f12921974cb097338ac11fceac8a",
"Transfer-Encoding": "chunked",
"Strict-Transport-Security": "max-age=31536000; includeSubdomains;",
"Server": "api-gateway",
"X-Request-Id": "af2953f2bcc67a42325a69a19e6c32a2",
"X-Content-Type-Options": "nosniff",
"Connection": "keep-alive",
"X-Download-Options": "noopen",
"X-XSS-Protection": "1; mode=block;",
"X-IAM-Trace-Id": "token_ null_af2953f2bcc67a42325a69a19e6c32a2",
"Date": "Tue, 21 May 2024 09:03:40 GMT",
"Content-Type": "application/json; charset=utf8"
```

Response Body

A response body is often returned in a structured format defined by the response header field **Content-Type** and transfers information except the response header.

For example, the following is part of the response body for the API used to [create an IAM user as an administrator](#):

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

If an error occurs during API calling, an error code and a message will be returned. An error response body is shown as follows:

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

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

4 APIs

4.1 CodeArts Build (Out-of-date)

4.1.1 Querying Build History in a Specified Period

Function

This API is used to query the history of a build task in a specified period.

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	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Table 4-2 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Details: Page number, indicating that the query starts from this page. Constraints: N/A Value Range: Only numbers that are 0 or greater can be used.
limit	No	Integer	Details: Number of items displayed on each page. The value of limit is no more than 100 . Constraints: N/A Value Range: Only numbers that are 100 or less can be used.

Parameter	Mandatory	Type	Description
start_time	Yes	String	Details: Start time in the format of "YYYY-MM-DD". Constraints: The time range cannot exceed 30 days. Value Range: The value matches the regular expression <code>^[0-9]{4}-[0-9]{2}-[0-9]{2}\$</code> .
end_time	Yes	String	Details: Start time in the format of "YYYY-MM-DD". Constraints: The time range cannot exceed 30 days. Value Range: The value matches the regular expression <code>^[0-9]{4}-[0-9]{2}-[0-9]{2}\$</code> .

Request Parameters

Table 4-3 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-4 Response body parameters

Parameter	Type	Description
total	Integer	Definition Total number of records. Range 0-2147483647
history_records	Array of history_records objects	Definition A list of build records. Range N/A.

Table 4-5 history_records

Parameter	Type	Description
record_id	String	Definition Build record ID. It is a unique key. Range N/A.
job_id	String	Definition Task ID. Range N/A.
build_number	Integer	Definition Build number. Range N/A.
start_time	String	Definition Build start time. Range N/A.
end_time	String	Definition Build end time. Range N/A.

Parameter	Type	Description
result	String	Definition Build result. Range N/A.
branch	String	Definition Code branch. Range N/A.
commit_id	String	Definition Code commit ID. Range N/A.
commit_message	String	Definition Commit message input by the user. This parameter has a value only when CodeArts Repo repositories are used. Range N/A.
executor	String	Definition Name of the user who runs the build task. Range N/A.
trigger_type	String	Definition Triggering mode. Options include MANUAL (manual execution), TIMED_EXECUTION (schedule), CODEHUB_TRIGGER (code change), or PIPELINE_TRIGGER (pipeline). Range • MANUAL: Manual trigger • TIMED_EXECUTION: Scheduled trigger • CODEHUB_TRIGGER: Code change trigger • PIPELINE_TRIGGER: Pipeline trigger

Status code: 400

Table 4-6 Response body parameters

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

Status code: 401**Table 4-7** Response body parameters

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

Status code: 403**Table 4-8** Response body parameters

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

Status code: 404**Table 4-9** Response body parameters

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

Status code: 500**Table 4-10** Response body parameters

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

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"
  }
}
```

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](#).

4.1.2 Querying Build History

Function

This API is used to query the history of a 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	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Table 4-12 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	Details: Page number, indicating that the query starts from this page. Constraints: N/A Value Range: Only numbers that are 0 or greater can be used.

Parameter	Mandatory	Type	Description
limit	No	Integer	Details: Number of items displayed on each page. The value of limit is no more than 100 . Constraints: N/A Value Range: Only numbers that are 100 or less can be used.
interval	Yes	Integer	Details: The number of days from the current date. Constraints: N/A Value Range: Only numbers that are 30 or less can be used as the interval value.

Request Parameters

Table 4-13 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-14 Response body parameters

Parameter	Type	Description
history_records	Array of HistoryRecord objects	Definition A list of build records. Range N/A.
total	Integer	Definition Total number of records. Range 0-2147483647

Table 4-15 HistoryRecord

Parameter	Type	Description
record_id	String	Definition Build record ID. It is a unique key. Range N/A.
job_id	String	Definition Task ID. Range N/A.
build_number	Integer	Definition Build number. Range 0-2147483647
start_time	String	Definition Build start time. Range N/A.
end_time	String	Definition Build end time. Range N/A.

Parameter	Type	Description
result	String	Definition Build result. Range N/A.

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

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

Status code: 401**Table 4-17** Response body parameters

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

Status code: 403**Table 4-18** Response body parameters

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

Status code: 404**Table 4-19** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-20 Response body parameters

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

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](#).

4.1.3 Downloading the KeyStore File

Function

This API is used to download 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	Definition Name of the file to be downloaded. Constraints N/A. Range N/A. Default Value N/A.
domain_id	Yes	String	Definition Tenant ID. Constraints Use a 32-character string that includes digits and lowercase letters. Range The value is 32 characters long. Only lowercase letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-22 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-23 Response body parameters

Parameter	Type	Description
-	File	Definition Obtained file. Range N/A.

Status code: 400

Table 4-24 Response body parameters

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

Status code: 401

Table 4-25 Response body parameters

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

Status code: 403**Table 4-26** Response body parameters

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

Status code: 404**Table 4-27** Response body parameters

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

Status code: 500**Table 4-28** Response body parameters

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

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](#).

4.1.4 Checking Task Running Status

Function

This API is used to check task status.

Calling Method

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

URI

GET /v3/jobs/{job_id}/status

Table 4-29 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-30 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-31 Response body parameters

Parameter	Type	Description
result	Boolean	Definition Whether the task is running. true indicates that the task is running. Range • true: Running. • false: Not running.

Status code: 400**Table 4-32** Response body parameters

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

Status code: 401**Table 4-33** Response body parameters

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

Status code: 403**Table 4-34** Response body parameters

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

Status code: 404

Table 4-35 Response body parameters

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

Status code: 500**Table 4-36** Response body parameters

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

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](#).

4.1.5 Querying Build Tasks in a Project

Function

This API is used to query build tasks in a project.

Calling Method

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

URI

GET /v3/{project_id}/jobs

Table 4-37 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition CodeArts project ID. For details about how to obtain the Constraints N/A. Range Use a 32-character string containing a mix of digits and letters. Default Value N/A.

Table 4-38 Query Parameters

Parameter	Mandatory	Type	Description
page_index	No	Integer	Details: Page number, indicating that the query starts from this page. Constraints: N/A Value Range: Only numbers that are 0 or greater can be used.

Parameter	Mandatory	Type	Description
page_size	Yes	Integer	Details: Number of records displayed on each page. Constraints: N/A Value Range: Only numbers that are 100 or less can be used.

Request Parameters

Table 4-39 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-40 Response body parameters

Parameter	Type	Description
jobs	Array of Job objects	Definition Task list. Range N/A.

Parameter	Type	Description
total	Integer	Definition Total number of tasks. Range 0-2147483647

Table 4-41 Job

Parameter	Type	Description
id	String	Definition Task ID. Range N/A.
job_name	String	Definition Task name. Range N/A.
job_creator	String	Definition Task creator. Range N/A.
user_name	String	Definition Username. Range N/A.
last_build_time	Number	Definition Last execution time. Range N/A.
health_score	Integer	Definition Health score. Range N/A.
source_code	String	Definition Code source. Range N/A.

Parameter	Type	Description
last_build_status	String	Definition Last build status. Range N/A.
is_finished	Boolean	Definition Whether the task is completed. Range • true: Completed. • false: Not completed.
disabled	Boolean	Definition Whether the task is disabled. Range • true: Disabled. • false: Enabled.
favorite	Boolean	Definition Whether the task is favorited. Range • true: Favorited. • false: Unfavorited.
is_modify	Boolean	Definition Whether granted the permission for modifying the task. Range • true: Granted the permission to modify the task. • false: Not granted the permission to modify the task.
is_delete	Boolean	Definition Whether granted the permission for deleting the task. Range • true: Granted the permission to delete the task. • false: Not granted the permission to delete the task.

Parameter	Type	Description
is_execute	Boolean	Definition Whether granted the permission for running the task. Range • true: Granted the permission to run the task. • false: Not granted the permission to run the task.
is_copy	Boolean	Definition Whether granted the permission for cloning the task. Range • true: Granted the permission to clone the task. • false: Not granted the permission to clone the task.
is_forbidden	Boolean	Definition Whether granted the permission for disabling the task. Range • true: Granted the permission to disable the task. • false: Not granted the permission to disable the task.
is_view	Boolean	Definition Whether granted the permission for viewing the task. Range • true: Granted the permission to view the task. • false: Not granted the permission to view the task.
task_id	String	Definition Task record ID. Range N/A.
last_build_user	String	Definition User who runs the last build. Range N/A.

Parameter	Type	Description
code_branch	String	Definition Code branch. Range N/A.
commit_id	String	Definition Code commit ID. Range N/A.
trigger_type	String	Definition Triggering mode. Options include MANUAL (manual execution), TIMED_EXECUTION (schedule), CODEHUB_TRIGGER (code change), or PIPELINE_TRIGGER (pipeline). Range • MANUAL: Manual trigger • TIMED_EXECUTION: Scheduled trigger • CODEHUB_TRIGGER: Code change trigger • PIPELINE_TRIGGER: Pipeline trigger
build_time	Long	Definition Build time. Range N/A.
scm_web_url	String	Definition Code repository URL. Range N/A.
scm_type	String	Definition Code repository type. Range codehub, repo, or github.
repo_id	String	Definition Code repository ID. Range N/A.

Parameter	Type	Description
commit_detail_url	String	Definition Address of code commit record (Code source: Repo). Range N/A.
build_number	String	Definition Build number. Range N/A.
build_project_id	String	Definition Build project ID. Range N/A.
build_type	String	Definition Build type. Options include build from a branch, tag, or commit. Range branch ,tag and commitId.
last_job_running_status	String	Definition Last build time. Range N/A.
last_build_user_id	String	Definition ID of the user who runs the last build. Range N/A.
project_permission_switch	Boolean	Definition Whether project permissions are used. Range • true: The project permission switch is turned on. • false: The project permission switch is turned off.

Status code: 400

Table 4-42 Response body parameters

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

Status code: 401**Table 4-43** Response body parameters

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

Status code: 403**Table 4-44** Response body parameters

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

Status code: 404**Table 4-45** Response body parameters

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

Status code: 500**Table 4-46** Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "total": 1,
  "jobs": [ {
    "id": "6d27a9dcac204fbe9f5aee88740de3d4",
    "job_name": "APITest-V6-RepositoryHistory-hz0vwK",
    "job_creator": "611d0654d317435495d559308e2aa800",
    "user_name": "apitest",
    "last_build_time": 1754360164000,
    "health_score": 0,
    "source_code": "codeci",
    "is_finished": false,
    "disabled": false,
    "favorite": false,
    "is_modify": true,
    "is_delete": true,
    "is_execute": true,
    "is_copy": true,
    "is_forbidden": true,
    "is_view": true,
    "task_id": "#20250805.1",
    "last_build_user": "apitest",
    "code_branch": "master",
    "commit_id": "85e9fe58fa924f673a94b270bed4c21b40e4c57e",
    "trigger_type": "Manual",
    "build_time": 0,
    "scm_web_url": "https://devcloud.xx-xxxx-xx.example.com/codehub/569802/home",
    "scm_type": "codehub",
    "repo_id": "569802",
    "commit_detail_url": "https://devcloud.xx-xxxx-xx.example.com/codehub/569802/85e9fe58fa924f673a94b270bed4c21b40e4c57e/commitdetail",
    "build_number": "1",
    "build_project_id": "fc0c2b07-8f47-41ce-90bf-e96416954eef",
    "build_type": "branch",
    "last_job_running_status": "Running",
    "last_build_user_id": "611d0654d317435495d559308e2aa800",
    "project_permission_switch": false
  } ]
}
```

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](#).

4.1.6 Running a Build Task

Function

This API is used to run a build task and allows custom parameters.

Calling Method

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

URI

POST /v3/jobs/build

Request Parameters

Table 4-47 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Table 4-48 Request body parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Build task ID. It includes digits and letters. To obtain this ID, open the page for editing the build task in your browser, and copy the 32-character string at the end of the URL. Constraints The 32-character string sits at the end of the URL and includes digits and letters. Range N/A. Default Value N/A.
parameter	No	Array of ParameterItem objects	Definition Custom parameter. Constraints N/A. Range N/A. Default Value N/A.
scm	No	Scm object	Definition Code information. Constraints N/A. Range N/A. Default Value N/A.

Table 4-49 ParameterItem

Parameter	Mandatory	Type	Description
name	Yes	String	Definition Custom parameter name. Constraints - Do not use the following fields: LD_PRELOAD, LD_LIBRARY_PATH, PATH, BASH_ENV, GIT_SSH_COMMAND, and path. - Symbols are not supported. Range Custom parameter name. The length cannot exceed 128 characters. Only letters, digits, and underscores (_) are supported. Default Value N/A.
value	Yes	String	Definition Parameter value. Constraints N/A. Range Default value of the custom parameter. Max. 8,192 characters. Default Value N/A.

Table 4-50 Scm

Parameter	Mandatory	Type	Description
build_tag	No	String	Definition Code tag. Constraints N/A. Range N/A. Default Value N/A.
build_commit_id	No	String	Definition Code commit ID. Constraints N/A. Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-51 Response body parameters

Parameter	Type	Description
octopus_job_name	String	Definition Temporary task name. Range N/A.
actual_build_number	String	Definition Number of actual builds. Range N/A.
daily_build_number	String	Definition Daily build number. Range N/A.

Status code: 400**Table 4-52** Response body parameters

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

Status code: 401**Table 4-53** Response body parameters

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

Status code: 403**Table 4-54** Response body parameters

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

Status code: 404**Table 4-55** Response body parameters

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

Status code: 500**Table 4-56** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Example Requests

Run the build task whose task ID is **f9d6c8466d614a9788e9a0acf6c15f46**. The task uses the **codeBranch** code repository and the **master** branch.

```
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_Oaqq...",
  "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](#).

4.1.7 Querying the Latest Successful Build with a Specified Code Repository

Function

This API is used to query the latest successful build with a specified code repository.

Calling Method

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

URI

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

Table 4-57 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition CodeArts project ID. For details about how to obtain the Constraints N/A. Range Use a 32-character string containing a mix of digits and letters. Default Value N/A.

Table 4-58 Query Parameters

Parameter	Mandatory	Type	Description
repository_name	Yes	String	Definition Code repository name. Constraints The value must comply with the regular expression <code>^[0-9a-z]{36}\$</code> . Range Use a 36-character string that includes digits and lowercase letters. Default Value N/A.

Request Parameters

Table 4-59 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-60 Response body parameters

Parameter	Type	Description
record_id	String	Definition Build record ID. It is a unique key. Range N/A.
job_id	String	Definition Build task ID. Range N/A.
job_name	String	Definition Build task name. Range N/A.
build_number	Integer	Definition Build number. Range N/A.
start_time	String	Definition Build start time. Range N/A.
end_time	String	Definition Build end time. Range N/A.
result	String	Definition Build result. Range N/A.
commit_id	String	Definition Commit ID. Range N/A.

Status code: 400

Table 4-61 Response body parameters

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

Status code: 401**Table 4-62** Response body parameters

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

Status code: 403**Table 4-63** Response body parameters

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

Status code: 404**Table 4-64** Response body parameters

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

Status code: 500**Table 4-65** Response body parameters

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

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_job_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](#).

4.1.8 Querying Details of a Build Record

Function

This API is used to query details of a build record.

Calling Method

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

URI

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


Table 4-66 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.
build_number	Yes	Integer	Details: Build number of a task. It starts at 1 and increments by 1 each time the build task runs. Constraints: N/A Value Range: Only numbers that are 1 or greater can be used.

Request Parameters

Table 4-67 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-68 Response body parameters

Parameter	Type	Description
job_name	String	Definition Build task name. Range N/A.
build_number	Integer	Definition Build number. Range 0-2147483647
project_id	String	Definition CodeArts project ID. ID of the project to which the build task belongs. Range N/A.

Parameter	Type	Description
project_name	String	Definition Name of the project to which the build task belongs. Range N/A.
parameters	Map<String,String>	Definition Map that contains parameters in this build. Values of sensitive parameters are displayed as asterisks (*) in responses. Range N/A.
build_steps	Array of build_steps objects	Definition Details about the build actions of the task. Returned actions can be viewed on the build page. Range N/A.

Table 4-69 build_steps

Parameter	Type	Description
name	String	Definition Action name. Range N/A.
status	String	Definition Action status. (The value can be running , success , or error . The value is an empty string when the build action is not executed.) Range • running: The action is running. • success: The action is successful. • error: The action fails. • "": The action is not running.

Parameter	Type	Description
build_time	Integer	Definition Action duration (ms). Range N/A.

Status code: 400**Table 4-70** Response body parameters

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

Status code: 401**Table 4-71** Response body parameters

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

Status code: 403**Table 4-72** Response body parameters

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

Status code: 404**Table 4-73** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-74 Response body parameters

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

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",
    "sensitive_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": "Upload to Release Repos",
    "status": "",
    "build_time": 0
  } ]
}
```

Status Codes

Status Code	Description
200	OK
400	Bad Request

Status Code	Description
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.1.9 Querying Build Success Rate in a Specified Period

Function

This API is used to query the success rate of a build task in a specified period.

Calling Method

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

URI

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

Table 4-75 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Table 4-76 Query Parameters

Parameter	Mandatory	Type	Description
start_time	Yes	String	Details: Start time in the format of "YYYY-MM-DD". Constraints: The time range cannot exceed 30 days. Value Range: The value matches the regular expression <code>^[0-9]{4}-[0-9]{2}-[0-9]{2}\$</code> .

Parameter	Mandatory	Type	Description
end_time	Yes	String	Details: Start time in the format of "YYYY-MM-DD". Constraints: The time range cannot exceed 30 days. Value Range: The value matches the regular expression <code>^[0-9]{4}-[0-9]{2}-[0-9]{2}\$</code> .

Request Parameters

Table 4-77 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-78 Response body parameters

Parameter	Type	Description
success_count	Integer	Definition Number of successful builds. Range 0-2147483647
total_count	Integer	Definition Total number of builds. Range 0-2147483647
success_ratio	Double	Definition Task success rate, accurate to two decimal places. Range N/A.

Status code: 400**Table 4-79** Response body parameters

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

Status code: 401**Table 4-80** Response body parameters

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

Status code: 403

Table 4-81 Response body parameters

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

Status code: 404**Table 4-82** Response body parameters

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

Status code: 500**Table 4-83** Response body parameters

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

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

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

Error Codes

See [Error Codes](#).

4.1.10 Downloading All Build Logs

Function

This API is used to download all build logs.

Calling Method

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

URI

GET /v4/{record_id}/download-log

Table 4-84 Path Parameters

Parameter	Mandatory	Type	Description
record_id	Yes	String	Definition Build record ID. Constraints N/A. Range Use a 36-character string that includes digits, lowercase letters, and hyphens (-). Default Value N/A.

Table 4-85 Query Parameters

Parameter	Mandatory	Type	Description
log_level	No	String	Definition Log level. Constraints N/A. Range INFO or DEBUG . Default Value INFO

Request Parameters

Table 4-86 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-87 Response body parameters

Parameter	Type	Description
-	File	Definition Obtained file. Range N/A.

Status code: 400**Table 4-88** Response body parameters

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

Status code: 401**Table 4-89** Response body parameters

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

Status code: 403**Table 4-90** Response body parameters

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

Status code: 404**Table 4-91** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-92 Response body parameters

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

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](#).

4.1.11 Downloading Build Action Logs

Function

This API is used to download build action logs.

Calling Method

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

URI

GET /v4/{record_id}/task-log

Table 4-93 Path Parameters

Parameter	Mandatory	Type	Description
record_id	Yes	String	Definition Build record ID. Constraints N/A. Range Use a 36-character string that includes digits, lowercase letters, and hyphens (-). Default Value N/A.

Table 4-94 Query Parameters

Parameter	Mandatory	Type	Description
task_name	Yes	String	Definition A build task has multiple actions. This parameter defines the order of actions in a build process by linking each numbered action to a stage name. Each build action is named using the format: stageX . X refers to the sequence number of the action in the task. For example, the first action is represented by stage1 . Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
log_level	No	String	Definition Log level. Constraints N/A. Range INFO or DEBUG . Default Value INFO

Request Parameters

Table 4-95 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-96 Response body parameters

Parameter	Type	Description
-	File	Definition Obtained file. Range N/A.

Status code: 400**Table 4-97** Response body parameters

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

Status code: 401**Table 4-98** Response body parameters

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

Status code: 403**Table 4-99** Response body parameters

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

Status code: 404**Table 4-100** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-101 Response body parameters

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

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
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.1.12 Obtaining Build Record Information (Version 4)

Function

This API is used to obtain build record information.

Calling Method

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

URI

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

Table 4-102 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.
build_no	Yes	Integer	Definition The build number tracks each run of the build task. This parameter starts at 1, indicating the first build. It increments by 1 for every subsequent run. Constraints The value is a positive integer. Range Use only numbers that are 1 or greater. Default Value 1

Request Parameters

Table 4-103 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200**Table 4-104** Response body parameters

Parameter	Type	Description
status	String	Definition API response status. Range • success: The API call is successful. • fail: The API call failed.
error	Object	Definition Error message. Range N/A.
result	result object	Definition Data returned after the API is successfully called. Range N/A.

Table 4-105 result

Parameter	Type	Description
id	String	Definition ID. Range N/A.
build_project_id	String	Definition Build project ID. It uniquely corresponds to codeci_job_id . Range N/A.
build_record_id	String	Definition Build record ID. Range N/A.
parent_record_id	String	Definition Parent build record ID. Range N/A.
devcloud_project_id	String	Definition Project ID. Range N/A.
codeci_job_id	String	Definition codeci task ID. It uniquely corresponds to build_project_id . Range N/A.
user_id	String	Definition User ID. Range N/A.
build_no	Integer	Definition Build number. Range N/A.

Parameter	Type	Description
daily_build_num	String	Definition Daily build number. It starts from 1 every day. Range N/A.
execution_id	String	Definition CloudOctopus task ID. Range N/A.
repo_name	String	Definition Code repository name. Range N/A.
repo_id	String	Definition Code repository ID. Range N/A.
branch	String	Definition Name of the code repository branch. Range N/A.
tag	String	Definition Code repository tag. Range N/A.
commit	String	Definition Commit ID of a code repository. Range N/A.
commit_message	String	Definition Commit message for a repository. Range N/A.

Parameter	Type	Description
commit_create_time	String	Definition Commit creation time. Range N/A.
trigger_type	String	Definition Triggering mode. Options include MANUAL (manual execution), TIMED_EXECUTION (schedule), CODEHUB_TRIGGER (code change), or PIPELINE_TRIGGER (pipeline). Range • MANUAL: Manual trigger • TIMED_EXECUTION: Scheduled trigger • CODEHUB_TRIGGER: Code change trigger • PIPELINE_TRIGGER: Pipeline trigger
build_type	String	Definition Build type. Range N/A.
status	String	Definition Build status. Range N/A.
domain_id	String	Definition Tenant ID. Range N/A.
create_time	String	Definition Task creation time. Range N/A.
schedule_time	String	Definition Build assignment time. Range N/A.

Parameter	Type	Description
queued_time	String	Definition Build queuing duration. Range N/A.
start_time	String	Definition Build start time. Range N/A.
runnable_time	String	Definition Time when CloudOctopus starts the build process. Range N/A.
finish_time	String	Definition Build end time. Range N/A.
duration	Integer	Definition Build duration. Range N/A.
record_status	String	Definition Record status. Range N/A.
use_private_slave	Integer	Definition Whether a custom executor is used. Range N/A.
region	String	Definition The region where the tenant is located. Range N/A.

Parameter	Type	Description
err_msg	String	Definition Error message. Range N/A.
build_config_type	String	Definition Build configuration type. It can be YAML or ACTION . Range YAML or ACTION .

Status code: 400**Table 4-106** Response body parameters

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

Status code: 401**Table 4-107** Response body parameters

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

Status code: 403**Table 4-108** Response body parameters

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

Status code: 404

Table 4-109 Response body parameters

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

Status code: 500**Table 4-110** Response body parameters

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

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" : "xx-xxxx-xx",  
"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](#).

4.1.13 Obtaining Build Output Details

Function

This API is used to obtain build output details.

Calling Method

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

URI

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

Table 4-111 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.
build_no	Yes	Integer	Definition The build number tracks each run of the build task. This parameter starts at 1, indicating the first build. It increments by 1 for every subsequent run. Constraints The value is a positive integer. Range Use only numbers that are 1 or greater. Default Value 1

Request Parameters

Table 4-112 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-113 Response body parameters

Parameter	Type	Description
status	String	Definition API response status. Range • success: The API call is successful. • fail: The API call failed.
error	Object	Definition Error message. Range N/A.
result	result object	Definition Data returned after the API is successfully called. Range N/A.

Table 4-114 result

Parameter	Type	Description
package_info	OutPutResult object	Definition Artifact information. Range N/A.
package_infos	Map<String, OutPutResult >	Definition Second-party package information. Range N/A.
image_infos	Map<String, OutPutResult >	Definition Image package information. Range N/A.

Table 4-115 OutPutResult

Parameter	Type	Description
project_id	String	Definition CodeArts project ID. ID of the project to which the build task belongs. Range N/A.
name	String	Definition Artifact name. Range N/A.
version	String	Definition Artifact version. Range N/A.
package_type	String	Definition Artifact type. Range N/A.

Parameter	Type	Description
uri	String	Definition Artifact path. Range N/A.
type	String	Definition Type. Range N/A.
daily_build_number	String	Definition Build number. It starts from 1 every day. Range N/A.

Status code: 400**Table 4-116** Response body parameters

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

Status code: 401**Table 4-117** Response body parameters

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

Status code: 403**Table 4-118** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 404**Table 4-119** Response body parameters

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

Status code: 500**Table 4-120** Response body parameters

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

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](#).

4.1.14 Stopping a Build Task (Outdated)

Function

This API is used to stop a build task.

Calling Method

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

URI

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

Table 4-121 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.
build_no	Yes	Integer	Definition The build number tracks each run of the build task. This parameter starts at 1, indicating the first build. It increments by 1 for every subsequent run. Constraints The value is a positive integer. Range Use only numbers that are 1 or greater. Default Value 1

Request Parameters

Table 4-122 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200**Table 4-123** Response body parameters

Parameter	Type	Description
success	Boolean	Definition Whether the build task is stopped successfully. Range • true: Stopped. • false: Not stopped.
result	String	Definition Returned result. Range N/A.

Status code: 400

Table 4-124 Response body parameters

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

Status code: 401**Table 4-125** Response body parameters

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

Status code: 403**Table 4-126** Response body parameters

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

Status code: 404**Table 4-127** Response body parameters

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

Status code: 500**Table 4-128** Response body parameters

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

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](#).

4.1.15 Deleting a Build Task

Function

This API is used to delete a build task.

Calling Method

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

URI

POST /v3/jobs/{job_id}/delete

Table 4-129 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-130 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-131 Response body parameters

Parameter	Type	Description
result	result object	Definition Data returned after the API is successfully called. Range N/A.
status	String	Definition Status information. Range N/A.

Table 4-132 result

Parameter	Type	Description
job_id	String	Definition Build task ID. Range N/A.
project_id	String	Definition CodeArts project ID. ID of the project to which the build task belongs. Range N/A.

Status code: 400**Table 4-133** Response body parameters

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

Status code: 401

Table 4-134 Response body parameters

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

Status code: 403**Table 4-135** Response body parameters

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

Status code: 404**Table 4-136** Response body parameters

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

Status code: 500**Table 4-137** Response body parameters

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

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](#).

4.1.16 Disabling a Build Task

Function

This API is used to disable a build task.

Calling Method

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

URI

POST /v3/jobs/{job_id}/disable

Table 4-138 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-139 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-140 Response body parameters

Parameter	Type	Description
status	String	Definition Returned result status. Range N/A.

Status code: 400**Table 4-141** Response body parameters

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

Status code: 401**Table 4-142** Response body parameters

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

Status code: 403**Table 4-143** Response body parameters

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

Status code: 404**Table 4-144** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-145 Response body parameters

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

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](#).

4.1.17 Enabling a Build Task

Function

This API is used to enable a build task.

Calling Method

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

URI

POST /v3/jobs/{job_id}/recover

Table 4-146 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-147 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-148 Response body parameters

Parameter	Type	Description
status	String	Definition Returned result status. Range N/A.

Status code: 400

Table 4-149 Response body parameters

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

Status code: 401

Table 4-150 Response body parameters

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

Status code: 403**Table 4-151** Response body parameters

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

Status code: 404**Table 4-152** Response body parameters

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

Status code: 500**Table 4-153** Response body parameters

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

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](#).

4.1.18 Creating a Build Task (Outdated)

Function

This API is used to create a build task.

Calling Method

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

URI

POST /v3/jobs/create

Request Parameters

Table 4-154 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Table 4-155 Request body parameters

Parameter	Mandatory	Type	Description
arch	Yes	String	Definition CPU architecture of the server. Constraints N/A. Range x86-64 or arm . Default Value N/A.
project_id	Yes	String	Definition CodeArts project ID. For details about how to obtain the Constraints N/A. Range A UUID. Use a 32-character string containing a mix of digits and letters. Default Value N/A.

Parameter	Mandatory	Type	Description
job_name	Yes	String	Definition Build task name. Constraints N/A. Range Letters, digits, underscores (_), and hyphens (-) are allowed. The value can contain 1 to 115 characters. Default Value N/A.
auto_update_sub_module	No	String	Definition Whether submodules are automatically updated. Constraints N/A. Range false : Submodules are not updated. true : Submodules are updated. Default Value false
flavor	No	String	Definition Executor specification. Constraints N/A. Range N/A. Default Value N/A.
host_type	No	String	Definition Host type. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
build_config_type	No	String	Definition Build configuration type. It can be YAML or ACTION . Constraints N/A. Range YAML or ACTION . Default Value N/A.
build_if_code_updated	No	Boolean	Definition The switch that controls whether code commits trigger builds. Constraints N/A. Range true : Every code commit will trigger the build task. false : Code commits will not trigger the build task. Default Value N/A.
parameters	No	Array of CreateBuildJobParameter objects	Definition A list of build task execution parameters. Constraints N/A. Range N/A. Default Value N/A.
group_id	No	String	Definition Task group ID. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
timeout	No	CreateBuildTimeout object	Definition Timeout duration of a build task. Constraints N/A. Range N/A. Default Value N/A.
scms	No	Array of CreateBuildJobScm objects	Definition Information about the code repository used during a build. Constraints N/A. Range N/A. Default Value N/A.
steps	Yes	Array of CreateBuildJobSteps objects	Definition Build actions being executed. Constraints N/A. Range N/A. Default Value N/A.
triggers	No	Array of Trigger objects	Definition A collection of scheduled task triggers. Constraints N/A. Range N/A. Default Value N/A.

Table 4-156 CreateBuildJobParameter

Parameter	Mandatory	Type	Description
name	No	String	Definition Parameter definition name. The default value is hudson.model.StringParameterDefinition . Constraints N/A. Range N/A. Default Value N/A.
params	No	Array of CreateBuildJobParameter objects	Definition Subparameters of build execution parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-157 CreateBuildJobParameterParam

Parameter	Mandatory	Type	Description
name	No	String	Definition Parameter field name. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
value	No	String	Definition Parameter field value. Constraints N/A. Range N/A. Default Value N/A.
limits	No	Array of LimitsParam objects	Definition Restrictions on enumeration parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-158 LimitsParam

Parameter	Mandatory	Type	Description
disable	No	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
display_name	No	String	Definition Parameter display name. Constraints N/A. Range N/A. Default Value N/A.
name	No	String	Definition Parameter name. Constraints N/A. Range N/A. Default Value N/A.

Table 4-159 CreateBuildTimeout

Parameter	Mandatory	Type	Description
limit	No	String	Definition Build task execution timeout. Constraints N/A. Range 0–4. Default Value 4
unit	No	String	Definition Time unit for timeout. Constraints N/A. Range seconds, minute, or hour. Default Value hour

Table 4-160 CreateBuildJobScm

Parameter	Mandatory	Type	Description
branch	No	String	Definition Name of the code branch. Constraints N/A. Range N/A. Default Value N/A.
url	Yes	String	Definition Code repository address. Constraints N/A. Range N/A. Default Value N/A.
repo_id	No	String	Definition Repo ID. Constraints N/A. Range N/A. Default Value N/A.
web_url	No	String	Definition HTTPS address of the code repository. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
scm_type	Yes	String	Definition Repository type. Constraints N/A. Range repo, github, gitee, gerrit, gitcode, or codehub Default Value N/A.
is_auto_build	No	Boolean	Definition Whether to trigger a build upon any code commit. Constraints N/A. Range • true: Auto-build allowed. • false: Auto-build disallowed. Default Value true
enable_git_lfs	No	Boolean	Definition Whether to enable Git LFS. Constraints N/A. Range • true: Git LFS enabled. • false: Git LFS disabled. Default Value • true
build_type	No	String	Definition Build type. Options include build from a branch, tag, or commit. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
depth	No	String	Definition Clone depth. The clone depth is the number of recent commits that will be cloned. A larger value indicates more commits will be fetched. Constraints N/A. Range 1–25. Default Value 1
end_point_id	No	String	Definition Endpoint ID used for pulling code from services such as Git. Constraints N/A. Range N/A. Default Value N/A.
source	No	String	Definition Source of the code repository. Constraints N/A. Range N/A. Default Value N/A.
group_name	No	String	Definition Repository group name. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
repo_name	No	String	Definition Repository name. Constraints N/A. Range N/A. Default Value N/A.

Table 4-161 CreateBuildJobSteps

Parameter	Mandatory	Type	Description
properties	No	Map<String,Object>	Definition Build action parameters. Constraints N/A. Range N/A. Default Value N/A.
module_id	Yes	String	Definition Build action ID. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
name	Yes	String	Definition Build action name. Constraints The value allows letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), and parentheses (). The value can contain 1 to 128 characters. Range N/A. Default Value N/A.
version	No	String	Definition Build action version. Constraints N/A. Range N/A. Default Value N/A.
enable	No	Boolean	Definition Whether to enable automatic build task. Constraints N/A. Range • true: Enabled. • false: Disabled. Default Value true

Table 4-162 Trigger

Parameter	Mandatory	Type	Description
parameters	Yes	Array of ParameterItem objects	Definition Custom parameter. Constraints N/A. Range N/A. Default Value N/A.
name	Yes	String	Definition Trigger type. Constraints N/A. Range N/A. Default Value N/A.

Table 4-163 ParameterItem

Parameter	Mandatory	Type	Description
name	Yes	String	Definition Custom parameter name. Constraints - Do not use the following fields: LD_PRELOAD, LD_LIBRARY_PATH, PATH, BASH_ENV, GIT_SSH_COMMAND, and path. - Symbols are not supported. Range Custom parameter name. The length cannot exceed 128 characters. Only letters, digits, and underscores (_) are supported. Default Value N/A.

Parameter	Mandatory	Type	Description
value	Yes	String	Definition Parameter value. Constraints N/A. Range Default value of the custom parameter. Max. 8,192 characters. Default Value N/A.

Response Parameters

Status code: 200

Table 4-164 Response body parameters

Parameter	Type	Description
result	result object	Definition Data returned after the API is successfully called. Range N/A.
status	String	Definition Status information. Range • success: The API call is successful. • fail: The API call failed.
error	String	Definition Error message. Range N/A.

Table 4-165 result

Parameter	Type	Description
job_id	String	Definition Build task ID. Range N/A.

Status code: 400**Table 4-166** Response body parameters

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

Status code: 401**Table 4-167** Response body parameters

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

Status code: 403**Table 4-168** Response body parameters

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

Status code: 404**Table 4-169** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-170 Response body parameters

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

Example Requests

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

```
{
  "arch": "x86-64",
  "project_id": "a287e712be6c404ca26e5f69040fa12b",
  "job_name": "examplejob",
  "auto_update_sub_module": "false",
  "flavor": "2u8g",
  "parameters": [ {
    "name": "hudson.model.StringParameterDefinition",
    "params": [ {
      "name": "name",
      "value": "codeBranch"
    }, {
      "name": "type",
      "value": "normalparam"
    }, {
      "name": "defaultValue",
      "value": "master"
    }, {
      "name": "description",
      "value": "description"
    }, {
      "name": "deletion",
      "value": "false"
    }, {
      "name": "defaults",
      "value": "true"
    }, {
      "name": "staticVar",
      "value": "false"
    }, {
      "name": "sensitiveVar",
      "value": "false"
    }
  ]
}, {
  "scms": [ {
    "branch": "master",
    "url": "git@codehub.devcloud.{region}.example.com:soso-test00001/an.git",
    "repo_id": "2111746211",
    "web_url": "https://codehub.devcloud.{region}.example.com/codehub/2111746211/home",
    "scm_type": "codehub",
    "is_auto_build": false,
    "build_type": "branch",
    "depth": "1"
  }
  ]
}
```



```
    } ],  
    "steps" : [ {  
      "properties" : null,  
      "module_id" : "devcloud2018.codeci_action_20043.action",  
      "name" : "Build with Maven",  
      "version" : "20231001.6",  
      "enable" : true  
    } ],  
    "host_type" : "devcloud"  
  }  
}
```

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](#).

4.1.19 Updating a Build Task (Outdated)

Function

This API is used to update a build task.

Calling Method

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

URI

POST /v3/jobs/update

Request Parameters

Table 4-171 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Table 4-172 Request body parameters

Parameter	Mandatory	Type	Description
arch	Yes	String	Definition Executor architecture. Constraints N/A. Range x86-64 or arm . Default Value N/A.

Parameter	Mandatory	Type	Description
project_id	Yes	String	Definition CodeArts project ID. For details about how to obtain the Constraints N/A. Range N/A. Default Value N/A.
job_name	Yes	String	Definition Build task name. Constraints Letters, digits, underscores (_), and hyphens (-) are allowed. The value can contain 1 to 115 characters. Range N/A. Default Value N/A.
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Parameter	Mandatory	Type	Description
auto_update_sub_module	No	String	Definition Whether submodules are automatically updated. Constraints N/A. Range false : Submodules are not updated. true : Submodules are updated. Default Value false
flavor	No	String	Definition Executor specification. Constraints N/A. Range N/A. Default Value N/A.
parameters	No	Array of CreateBuildJobParameter objects	Definition A list of build execution parameters. Constraints N/A. Range N/A. Default Value N/A.
group_id	No	String	Definition Task group ID. **group_id** identifies the group where the new build task is located. Constraints N/A. Range custom_host, devcloud. Default Value N/A.

Parameter	Mandatory	Type	Description
timeout	No	CreateBuildTimeout object	Definition Timeout duration of a build task. Constraints N/A. Range N/A. Default Value N/A.
scms	No	Array of CreateBuildJobScm objects	Definition Information about the code repository used during a build. Constraints N/A. Range N/A. Default Value N/A.
steps	Yes	Array of CreateBuildJobSteps objects	Definition Build actions being executed. Constraints N/A. Range N/A. Default Value N/A.
host_type	No	String	Definition Type of the host that runs the build task. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
build_config_type	No	String	Definition Build configuration type. It can be YAML or ACTION . Constraints N/A. Range YAML or ACTION . Default Value N/A.
triggers	No	Array of Trigger objects	Definition A collection of scheduled task triggers. Constraints N/A. Range N/A. Default Value N/A.

Table 4-173 CreateBuildJobParameter

Parameter	Mandatory	Type	Description
name	No	String	Definition Parameter definition name. The default value is hudson.model.StringParameterDefinition . Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
params	No	Array of CreateBuildJobParameterParam objects	Definition Subparameters of build execution parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-174 CreateBuildJobParameterParam

Parameter	Mandatory	Type	Description
name	No	String	Definition Parameter field name. Constraints N/A. Range N/A. Default Value N/A.
value	No	String	Definition Parameter field value. Constraints N/A. Range N/A. Default Value N/A.
limits	No	Array of LimitsParam objects	Definition Restrictions on enumeration parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-175 LimitsParam

Parameter	Mandatory	Type	Description
disable	No	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Constraints N/A. Range N/A. Default Value N/A.
display_name	No	String	Definition Parameter display name. Constraints N/A. Range N/A. Default Value N/A.
name	No	String	Definition Parameter name. Constraints N/A. Range N/A. Default Value N/A.

Table 4-176 CreateBuildTimeout

Parameter	Mandatory	Type	Description
limit	No	String	Definition Build task execution timeout. Constraints N/A. Range 0–4. Default Value 4
unit	No	String	Definition Time unit for timeout. Constraints N/A. Range seconds, minute, or hour. Default Value hour

Table 4-177 CreateBuildJobScm

Parameter	Mandatory	Type	Description
branch	No	String	Definition Name of the code branch. Constraints N/A. Range N/A. Default Value N/A.
url	Yes	String	Definition Code repository address. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
repo_id	No	String	Definition Repo ID. Constraints N/A. Range N/A. Default Value N/A.
web_url	No	String	Definition HTTPS address of the code repository. Constraints N/A. Range N/A. Default Value N/A.
scm_type	Yes	String	Definition Repository type. Constraints N/A. Range repo, github, gitee, gerrit, gitcode, or codehub Default Value N/A.
is_auto_build	No	Boolean	Definition Whether to trigger a build upon any code commit. Constraints N/A. Range • true: Auto-build allowed. • false: Auto-build disallowed. Default Value true

Parameter	Mandatory	Type	Description
enable_git_lfs	No	Boolean	Definition Whether to enable Git LFS. Constraints N/A. Range • true: Git LFS enabled. • false: Git LFS disabled. Default Value • true
build_type	No	String	Definition Build type. Options include build from a branch, tag, or commit. Constraints N/A. Range N/A. Default Value N/A.
depth	No	String	Definition Clone depth. The clone depth is the number of recent commits that will be cloned. A larger value indicates more commits will be fetched. Constraints N/A. Range 1–25. Default Value 1

Parameter	Mandatory	Type	Description
end_point_id	No	String	Definition Endpoint ID used for pulling code from services such as Git. Constraints N/A. Range N/A. Default Value N/A.
source	No	String	Definition Source of the code repository. Constraints N/A. Range N/A. Default Value N/A.
group_name	No	String	Definition Repository group name. Constraints N/A. Range N/A. Default Value N/A.
repo_name	No	String	Definition Repository name. Constraints N/A. Range N/A. Default Value N/A.

Table 4-178 CreateBuildJobSteps

Parameter	Mandatory	Type	Description
properties	No	Map<String,Object>	Definition Build action parameters. Constraints N/A. Range N/A. Default Value N/A.
module_id	Yes	String	Definition Build action ID. Constraints N/A. Range N/A. Default Value N/A.
name	Yes	String	Definition Build action name. Constraints The value allows letters, digits, hyphens (-), underscores (_), commas (,), semicolons (;), colons (:), periods (.), slashes (/), and parentheses. The value can contain 1 to 128 characters. Range N/A. Default Value N/A.
version	No	String	Definition Build action version. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
enable	No	Boolean	Definition Whether to enable automatic build task. Constraints N/A. Range • true: Enabled. • false: Disabled. Default Value true

Table 4-179 Trigger

Parameter	Mandatory	Type	Description
parameters	Yes	Array of ParameterItem objects	Definition Custom parameter. Constraints N/A. Range N/A. Default Value N/A.
name	Yes	String	Definition Trigger type. Constraints N/A. Range N/A. Default Value N/A.

Table 4-180 ParameterItem

Parameter	Mandatory	Type	Description
name	Yes	String	Definition Custom parameter name. Constraints - Do not use the following fields: LD_PRELOAD, LD_LIBRARY_PATH, PATH, BASH_ENV, GIT_SSH_COMMAND, and path. - Symbols are not supported. Range Custom parameter name. The length cannot exceed 128 characters. Only letters, digits, and underscores (_) are supported. Default Value N/A.
value	Yes	String	Definition Parameter value. Constraints N/A. Range Default value of the custom parameter. Max. 8,192 characters. Default Value N/A.

Response Parameters

Status code: 200

Table 4-181 Response body parameters

Parameter	Type	Description
result	result object	Definition Data returned after the API is successfully called. Range N/A.
status	String	Definition Status information. Range • success: The API call is successful. • fail: The API call failed.
error	String	Definition Error message. Range N/A.

Table 4-182 result

Parameter	Type	Description
job_id	String	Definition Build task ID. Range N/A.

Status code: 400**Table 4-183** Response body parameters

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

Status code: 401

Table 4-184 Response body parameters

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

Status code: 403**Table 4-185** Response body parameters

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

Status code: 404**Table 4-186** Response body parameters

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

Status code: 500**Table 4-187** Response body parameters

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

Example Requests

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

```
{
  "job_id" : "db8467d972cc47f7a1bd2a3a3e77596a",
  "arch" : "x86-64",
  "project_id" : "a287e712be6c404ca26e5f69040fa12b",
  "job_name" : "examplejob",
  "auto_update_sub_module" : "false",
  "flavor" : "2u8g",
  "parameters" : [ {
```

```
"name" : "hudson.model.StringParameterDefinition",
"params" : [ {
  "name" : "name",
  "value" : "codeBranch"
}, {
  "name" : "type",
  "value" : "normalparam"
}, {
  "name" : "defaultValue",
  "value" : "master"
}, {
  "name" : "description",
  "value" : "description"
}, {
  "name" : "deletion",
  "value" : "false"
}, {
  "name" : "defaults",
  "value" : "true"
}, {
  "name" : "staticVar",
  "value" : "false"
}, {
  "name" : "sensitiveVar",
  "value" : "false"
} ]
}],
"scms" : [ {
  "branch" : "master",
  "url" : "git@codehub.devcloud.{region}.example.com:soso-test00001/an.git",
  "repo_id" : "2111746211",
  "web_url" : "https://codehub.devcloud.{region}.example.com/codehub/2111746211/home",
  "scm_type" : "codehub",
  "is_auto_build" : false,
  "build_type" : "branch",
  "depth" : "1"
} ],
"steps" : [ {
  "properties" : null,
  "module_id" : "devcloud2018.codeci_action_20043.action",
  "name" : "Build with Maven",
  "version" : "20231001.6",
  "enable" : true
} ],
"host_type" : "devcloud"
}
```

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](#).

4.1.20 Querying Build Templates

Function

This API is used to query build templates.

Calling Method

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

URI

GET /v3/templates/query

Table 4-188 Query Parameters

Parameter	Mandatory	Type	Description
name	No	String	Definition Name of the template used for fuzzy query. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
page	No	String	Definition The index of the page to start the query from. Constraints N/A. Range Use only numbers that are 0 or greater.
page_size	No	String	Definition page_size indicates the number of items displayed on each page. The value is no more than 100 . Constraints N/A. Range 1–100

Request Parameters

Table 4-189 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-190 Response body parameters

Parameter	Type	Description
result	QueryTemplatesResult object	Definition Template query result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Table 4-191 QueryTemplatesResult

Parameter	Type	Description
total_size	Integer	Definition Number of returned templates. Range N/A.
items	Array of QueryTemplatesItems objects	Definition Template information list. Range N/A.

Table 4-192 QueryTemplatesItems

Parameter	Type	Description
favourite	Boolean	Definition Whether a template is favorited. Range • true: The template is favorited. • false: The template is not added to favorites.
nick_name	String	Definition Nickname. Range N/A.
id	String	Definition Primary key ID in the database. Range N/A.
uuid	String	Definition Template ID. Range N/A.
template	QueryTemplateV o object	Definition Build action template. It is named using the camel case convention. Range N/A.
type	String	Definition Template type. Range N/A.
public	Boolean	Definition Whether the template is public. Range • true: Public. • false: Non-public.
name	String	Definition Template name. Range N/A.

Parameter	Type	Description
create_time	String	Definition Time when the template was created. Range N/A.
domain_id	String	Definition Tenant ID. Range N/A.
weight	Double	Definition Weight. Range N/A.
user_id	String	Definition User ID. Range N/A.
user_name	String	Definition Username. Range N/A.
domain_name	String	Definition Tenant name. Range N/A.
scope	String	Definition Template scope. For a user-defined template, the default value is custom . Range N/A.
description	String	Definition Template description. Range N/A.

Parameter	Type	Description
tool_type	String	Definition Build tool type. It indicates if the build is defined by YAML or actions. Range N/A.
intl_description	Object	Definition intl description. Range N/A.
parameters	Array of CreateBuildJobParametersResponse objects	Definition A list of build execution parameters. Range N/A.
i18n	Object	Definition Internationalization (i18n). Range N/A.

Table 4-193 QueryTemplateVo

Parameter	Type	Description
steps	Array of CreateBuildJobStepsResponse objects	Definition Build actions being executed. Range N/A.
actions	Object	Definition Build actions. Range N/A.
auto_update_sub_module	Boolean	Definition Whether submodules are automatically updated. Range N/A.

Parameter	Type	Description
image	String	Definition Image address. Range N/A.
image_source	String	Definition Image source address. Range N/A.

Table 4-194 CreateBuildJobStepsResponse

Parameter	Type	Description
properties	Map<String,Object>	Definition Build action parameters. Range N/A.
module_id	String	Definition Build action ID. Range N/A.
name	String	Definition Build action name. Range N/A.
version	String	Definition Build action version. Range N/A.
enable	Boolean	Definition Whether to enable automatic build task. Range • true: Enabled. • false: Disabled.

Table 4-195 CreateBuildJobParameterResponse

Parameter	Type	Description
name	String	Definition Parameter definition name. The default value is <code>hudson.model.StringParameterDefinition</code> . Range N/A.
params	Array of CreateBuildJobParameterParamResponse objects	Definition Subparameters of build execution parameters. Range N/A.

Table 4-196 CreateBuildJobParameterParamResponse

Parameter	Type	Description
name	String	Definition Parameter field name. Range N/A.
value	String	Definition Parameter field value. Range N/A.
limits	Array of LimitsParamResponse objects	Definition Restrictions on enumeration parameters. Range N/A.

Table 4-197 LimitsParamResponse

Parameter	Type	Description
disable	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Range N/A.
display_name	String	Definition Parameter display name. Range N/A.
name	String	Definition Parameter name. Range N/A.

Status code: 400**Table 4-198** Response body parameters

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

Status code: 401**Table 4-199** Response body parameters

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

Status code: 403

Table 4-200 Response body parameters

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

Status code: 404**Table 4-201** Response body parameters

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

Status code: 500**Table 4-202** Response body parameters

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

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": null
      },
      "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" : "testUser",
"domain_name" : "testUser",
"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, predefined parameters",
    "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
  }
]
}, {
  "name" : "type",
  "value" : "normalparam",
  "limits" : null
}, {
  "name" : "defaultValue",
  "value" : "master",
  "limits" : null
}, {
  "name" : "description",
  "value" : "Code branch, predefined parameters",
  "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
}
],
"intl_description" : { }
}
},
"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](#).

4.1.21 Creating a Build Template (Version 3)

Function

This API is used to create a build template.

Calling Method

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

URI

POST /v3/templates/create

Request Parameters

Table 4-203 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Table 4-204 Request body parameters

Parameter	Mandatory	Type	Description
template	Yes	CreateTemplate object	Definition Build action template. It is named using the camel case convention. Constraints N/A. Range N/A. Default Value N/A.
name	Yes	String	Definition Template name. Constraints N/A. Range N/A. Default Value N/A.
description	No	String	Definition Template description. Constraints N/A. Range N/A. Default Value N/A.
tool_type	No	String	Definition Tool type. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
parameters	No	Array of CreateBuildJobParameter objects	Definition A list of build execution parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-205 CreateTemplate

Parameter	Mandatory	Type	Description
steps	Yes	Array of CreateTemplateSteps objects	Definition Build actions being executed. Constraints N/A. Range N/A. Default Value N/A.

Table 4-206 CreateTemplateSteps

Parameter	Mandatory	Type	Description
properties	No	Map<String,Object>	Definition Detailed build actions. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
module_id	Yes	String	Definition Build module ID. Constraints N/A. Range N/A. Default Value N/A.
name	No	String	Definition Build module name. Constraints N/A. Range N/A. Default Value N/A.
version	No	String	Definition Build version. Constraints N/A. Range N/A. Default Value N/A.
enable	No	Boolean	Definition Whether enabled or not. Constraints N/A. Range • true: Enabled. • false: Disabled. Default Value true

Table 4-207 CreateBuildJobParameter

Parameter	Mandatory	Type	Description
name	No	String	Definition Parameter definition name. The default value is hudson.model.StringParameterDefinition . Constraints N/A. Range N/A. Default Value N/A.
params	No	Array of CreateBuildJobParameter objects	Definition Subparameters of build execution parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-208 CreateBuildJobParameterParam

Parameter	Mandatory	Type	Description
name	No	String	Definition Parameter field name. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
value	No	String	Definition Parameter field value. Constraints N/A. Range N/A. Default Value N/A.
limits	No	Array of LimitsParam objects	Definition Restrictions on enumeration parameters. Constraints N/A. Range N/A. Default Value N/A.

Table 4-209 LimitsParam

Parameter	Mandatory	Type	Description
disable	No	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
display_name	No	String	Definition Parameter display name. Constraints N/A. Range N/A. Default Value N/A.
name	No	String	Definition Parameter name. Constraints N/A. Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-210 Response body parameters

Parameter	Type	Description
result	CreateTemplateItems object	Definition Template query result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Table 4-211 CreateTemplatesItems

Parameter	Type	Description
favourite	Boolean	Definition Whether a template is favorited. Range • true: The template is favorited. • false: The template is not added to favorites.
id	String	Definition ID in the database. Range N/A.
uuid	String	Definition UUID. Range N/A.
template	QueryTemplate object	Definition Build action template. It is named using the camel case convention. Range N/A.
type	String	Definition Template type. Range N/A.
public	Boolean	Definition Whether the template is public. Range • true: Public. • false: Non-public.
name	String	Definition Template name. Range N/A.
create_time	String	Definition Creation time. Range N/A.

Parameter	Type	Description
domain_id	String	Definition Domain ID. Range N/A.
weight	Double	Definition Weight. Range N/A.
user_id	String	Definition User ID. Range N/A.
user_name	String	Definition Username. Range N/A.
domain_name	String	Definition Domain name. Range N/A.
scope	String	Definition Template scope. For a user-defined template, the default value is custom . Range N/A.
description	String	Definition Template description. Range N/A.
tool_type	String	Definition Build tool type. It indicates if the build is defined by YAML or actions. Range N/A.

Parameter	Type	Description
intl_description	Object	Definition intl description. Range N/A.
parameters	Array of CreateBuildJobParameterResponse objects	Definition A list of build execution parameters. Range N/A.
i18n	Object	Definition Internationalization (i18n). Range N/A.

Table 4-212 QueryTemplate

Parameter	Type	Description
steps	Array of CreateBuildJobStepsResponse objects	Definition Build actions being executed. Range N/A.

Table 4-213 CreateBuildJobStepsResponse

Parameter	Type	Description
properties	Map<String, Object>	Definition Build action parameters. Range N/A.
module_id	String	Definition Build action ID. Range N/A.
name	String	Definition Build action name. Range N/A.

Parameter	Type	Description
version	String	Definition Build action version. Range N/A.
enable	Boolean	Definition Whether to enable automatic build task. Range • true: Enabled. • false: Disabled.

Table 4-214 CreateBuildJobParameterResponse

Parameter	Type	Description
name	String	Definition Parameter definition name. The default value is <code>hudson.model.StringParameterDefinition</code> . Range N/A.
params	Array of CreateBuildJobParameterParamResponse objects	Definition Subparameters of build execution parameters. Range N/A.

Table 4-215 CreateBuildJobParameterParamResponse

Parameter	Type	Description
name	String	Definition Parameter field name. Range N/A.

Parameter	Type	Description
value	String	Definition Parameter field value. Range N/A.
limits	Array of LimitsParamResponse objects	Definition Restrictions on enumeration parameters. Range N/A.

Table 4-216 LimitsParamResponse

Parameter	Type	Description
disable	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Range N/A.
display_name	String	Definition Parameter display name. Range N/A.
name	String	Definition Parameter name. Range N/A.

Status code: 400**Table 4-217** Response body parameters

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

Status code: 401

Table 4-218 Response body parameters

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

Status code: 403**Table 4-219** Response body parameters

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

Status code: 404**Table 4-220** Response body parameters

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

Status code: 500**Table 4-221** Response body parameters

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

Example Requests

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

```
{
  "name" : "example",
  "description" : "123",
  "tool_type" : "123123",
  "template" : {
    "steps" : [ {
      "module_id" : "devcloud2018.codeci_action_20043.action",
      "name" : "Build with Maven",
```

```
    "enable" : true,
    "properties" : null
  } ]
},
"parameters" : [ {
  "name" : "hudson.model.StringParameterDefinition",
  "params" : [ {
    "name" : "name",
    "value" : "codeBranch"
  }, {
    "name" : "type",
    "value" : "normalparam"
  }, {
    "name" : "defaultValue",
    "value" : "master"
  }, {
    "name" : "description",
    "value" : "description"
  }, {
    "name" : "deletion",
    "value" : "false"
  }, {
    "name" : "defaults",
    "value" : "true"
  }, {
    "name" : "staticVar",
    "value" : "false"
  }, {
    "name" : "sensitiveVar",
    "value" : "false"
  } ]
} ]
}
```

Example Responses

Status code: 200

OK

```
{
  "result" : {
    "public" : true,
    "favourite" : false,
    "id" : "6561b2ced7a6751941fdc8cd",
    "uuid" : "2d9031c079624376824fe1e2731615dc",
    "template" : {
      "steps" : null
    },
    "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" : "testUser",
    "domain_name" : "testUser",
    "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, predefined parameters",
    "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](#).

4.1.22 Deleting a Build Template (Outdated)

Function

This API is used to delete a build template.

Calling Method

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

URI

DELETE /v3/templates/{uuid}/delete

Table 4-222 Path Parameters

Parameter	Mandatory	Type	Description
uuid	Yes	String	Definition UUID. Constraints N/A. Range Use a 32-character UUID that includes digits and lowercase letters. Default Value N/A.

Request Parameters

Table 4-223 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-224 Response body parameters

Parameter	Type	Description
result	Array of CreateTemplateItems objects	Definition Template query result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Table 4-225 CreateTemplateItems

Parameter	Type	Description
favourite	Boolean	Definition Whether a template is favorited. Range • true: The template is favorited. • false: The template is not added to favorites.
id	String	Definition ID in the database. Range N/A.
uuid	String	Definition UUID. Range N/A.

Parameter	Type	Description
template	QueryTemplate object	Definition Build action template. It is named using the camel case convention. Range N/A.
type	String	Definition Template type. Range N/A.
public	Boolean	Definition Whether the template is public. Range • true: Public. • false: Non-public.
name	String	Definition Template name. Range N/A.
create_time	String	Definition Creation time. Range N/A.
domain_id	String	Definition Domain ID. Range N/A.
weight	Double	Definition Weight. Range N/A.
user_id	String	Definition User ID. Range N/A.

Parameter	Type	Description
user_name	String	Definition Username. Range N/A.
domain_name	String	Definition Domain name. Range N/A.
scope	String	Definition Template scope. For a user-defined template, the default value is custom . Range N/A.
description	String	Definition Template description. Range N/A.
tool_type	String	Definition Build tool type. It indicates if the build is defined by YAML or actions. Range N/A.
intl_description	Object	Definition intl description. Range N/A.
parameters	Array of CreateBuildJobParameterResponse objects	Definition A list of build execution parameters. Range N/A.
i18n	Object	Definition Internationalization (i18n). Range N/A.

Table 4-226 QueryTemplate

Parameter	Type	Description
steps	Array of CreateBuildJobStepsResponse objects	Definition Build actions being executed. Range N/A.

Table 4-227 CreateBuildJobStepsResponse

Parameter	Type	Description
properties	Map<String, Object>	Definition Build action parameters. Range N/A.
module_id	String	Definition Build action ID. Range N/A.
name	String	Definition Build action name. Range N/A.
version	String	Definition Build action version. Range N/A.
enable	Boolean	Definition Whether to enable automatic build task. Range • true: Enabled. • false: Disabled.

Table 4-228 CreateBuildJobParameterResponse

Parameter	Type	Description
name	String	Definition Parameter definition name. The default value is <code>hudson.model.StringParameterDefinition</code> . Range N/A.
params	Array of CreateBuildJobParameterParamResponse objects	Definition Subparameters of build execution parameters. Range N/A.

Table 4-229 CreateBuildJobParameterParamResponse

Parameter	Type	Description
name	String	Definition Parameter field name. Range N/A.
value	String	Definition Parameter field value. Range N/A.
limits	Array of LimitsParamResponse objects	Definition Restrictions on enumeration parameters. Range N/A.

Table 4-230 LimitsParamResponse

Parameter	Type	Description
disable	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Range N/A.
display_name	String	Definition Parameter display name. Range N/A.
name	String	Definition Parameter name. Range N/A.

Status code: 400**Table 4-231** Response body parameters

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

Status code: 401**Table 4-232** Response body parameters

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

Status code: 403

Table 4-233 Response body parameters

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

Status code: 404**Table 4-234** Response body parameters

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

Status code: 500**Table 4-235** Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "result": {
    "public": true,
    "favourite": false,
    "id": "6561b2ced7a6751941fdc8cd",
    "uuid": "2d9031c079624376824fe1e2731615dc",
    "template": {
      "steps": null
    },
    "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": "testUser",
  }
}
```

```
"domain_name" : "testUser",
"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, predefined parameters",
    "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](#).

4.1.23 Querying Notifications

Function

This API is used to query notification settings.

Calling Method

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

URI

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

Table 4-236 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-237 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-238 Response body parameters

Parameter	Type	Description
result	Array of QueryJobNoticel-tems objects	Definition Template query result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Table 4-239 QueryJobNoticeItems

Parameter	Type	Description
notice_type	String	Definition Notification type. The options include system message, email, DingTalk, Feishu, and WeCom. Range System message, email, DingTalk, Feishu, and WeCom.
enable_map	Map<String,Boolean>	Definition Details about enabled notification types. Range N/A.
param_config	String	Definition Parameter configuration. Range N/A.

Status code: 400**Table 4-240** Response body parameters

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

Status code: 401**Table 4-241** Response body parameters

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

Status code: 403

Table 4-242 Response body parameters

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

Status code: 404**Table 4-243** Response body parameters

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

Status code: 500**Table 4-244** Response body parameters

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

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](#).

4.1.24 Updating Notifications

Function

This API is used to update notifications.

Calling Method

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

URI

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

Table 4-245 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Request Parameters

Table 4-246 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Table 4-247 Request body parameters

Parameter	Mandatory	Type	Description
notice_type	Yes	String	Definition Notification type. The options include system message, email, DingTalk, Feishu, and WeCom. Constraints N/A. Range System message, email, DingTalk, Feishu, and WeCom. Default Value N/A.
enabled_event_type_names	Yes	Array of strings	Definition Types of enabled notifications. Constraints N/A. Range N/A. Default Value N/A.
send_switch	No	String	Definition Whether to enable notifications. Constraints N/A. Range N/A. Default Value N/A.
param_config	No	String	Definition Notification parameter configuration. Constraints N/A. Range N/A. Default Value N/A.

Parameter	Mandatory	Type	Description
use_project_notice	No	String	Definition Whether to use project-level notification settings. Constraints N/A. Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-248 Response body parameters

Parameter	Type	Description
result	String	Definition Returned result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Status code: 400

Table 4-249 Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 401**Table 4-250** Response body parameters

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

Status code: 403**Table 4-251** Response body parameters

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

Status code: 404**Table 4-252** Response body parameters

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

Status code: 500**Table 4-253** Response body parameters

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

Example Requests

```
POST https://{endpoint}/v3/jobs/notice/48c66c6002964721be537cdc6ce0297b/update
{
  "notice_type": "MESSAGE",
  "enabled_event_type_names": [ "buildJobFail", "updateConfigJob", "buildJobSuccess", "deleteJob" ],
  "send_switch": true,
  "use_project_notice": true,
  "param_config": "{\"eventTypeNamesReceivers\":{\"buildJobSuccess\":{\"creator\\\", \"executor\\\", \"follower\\\", \"buildJobFail\\\": {\"creator\\\", \"executor\\\", \"follower\\\"}}}"
}
```

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](#).

4.1.25 Disabling Notifications

Function

This API is used to cancel specific notifications.

Calling Method

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

URI

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

Table 4-254 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Table 4-255 Query Parameters

Parameter	Mandatory	Type	Description
notice_type	Yes	String	Definition Notification type. The options include system message, email, DingTalk, Feishu, and WeCom. Constraints N/A. Range System message, email, DingTalk, Feishu, and WeCom. Default Value N/A.

Request Parameters

Table 4-256 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-257 Response body parameters

Parameter	Type	Description
result	String	Definition Returned result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Status code: 400**Table 4-258** Response body parameters

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

Status code: 401**Table 4-259** Response body parameters

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

Status code: 403**Table 4-260** Response body parameters

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

Status code: 404**Table 4-261** Response body parameters

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

Status code: 500**Table 4-262** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "result" : 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](#).

4.1.26 Obtaining Build Task Details (Outdated)

Function

This API is used to obtain build task details.

Calling Method

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

URI

GET /v3/jobs/{job_id}/query

Table 4-263 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.

Table 4-264 Query Parameters

Parameter	Mandatory	Type	Description
get_all_params	No	String	Definition Enter true or false to determine if all parameters should be returned. Constraints N/A. Range true or false Default Value false

Request Parameters

Table 4-265 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-266 Response body parameters

Parameter	Type	Description
result	CreateBuildJobResponseVo object	Definition Template query result. Range N/A.
error	String	Definition Returned error message. Range N/A.
status	String	Definition Returned status information. Range • success: The API call is successful. • fail: The API call failed.

Table 4-267 CreateBuildJobResponseVo

Parameter	Type	Description
arch	String	Definition CPU architecture of the server. Range x86-64 or arm .
project_id	String	Definition CodeArts project ID. ID of the project to which the build task belongs. Range A UUID. Use a 32-character string containing a mix of digits and letters.
job_name	String	Definition Build task name. Range Letters, digits, underscores (_), and hyphens (-) are allowed. The value can contain 1 to 115 characters.
auto_update_sub_module	String	Definition Whether submodules are automatically updated. Range false : Submodules are not updated. true : Submodules are updated.
flavor	String	Definition Executor specification. Range N/A.
host_type	String	Definition Host type. Range N/A.
build_config_type	String	Definition Build configuration type. It can be YAML or ACTION . Range YAML or ACTION .

Parameter	Type	Description
build_if_code_updated	Boolean	Definition The switch that controls whether code commits trigger builds. Range true: Every code commit will trigger the build task. false: Code commits will not trigger the build task.
parameters	Array of CreateBuildJobParameterResponse objects	Definition A list of build task execution parameters. Range N/A.
group_id	String	Definition Task group ID. Range N/A.
timeout	CreateBuildTimeoutResponse object	Definition Timeout duration of a build task. Range N/A.
scms	Array of CreateBuildJobScmResponse objects	Definition Information about the code repository used during a build. Range N/A.
steps	Array of CreateBuildJobStepsResponse objects	Definition Build actions being executed. Range N/A.
triggers	Array of TriggerResponse objects	Definition A collection of scheduled task triggers. Range N/A.

Table 4-268 CreateBuildJobParameterResponse

Parameter	Type	Description
name	String	Definition Parameter definition name. The default value is <code>hudson.model.StringParameterDefinition</code> . Range N/A.
params	Array of CreateBuildJobParameterParamResponse objects	Definition Subparameters of build execution parameters. Range N/A.

Table 4-269 CreateBuildJobParameterParamResponse

Parameter	Type	Description
name	String	Definition Parameter field name. Range N/A.
value	String	Definition Parameter field value. Range N/A.
limits	Array of LimitsParamResponse objects	Definition Restrictions on enumeration parameters. Range N/A.

Table 4-270 LimitsParamResponse

Parameter	Type	Description
disable	String	Definition Whether enabled or not. The default value is 0 , indicating "enabled". Range N/A.
display_name	String	Definition Parameter display name. Range N/A.
name	String	Definition Parameter name. Range N/A.

Table 4-271 CreateBuildTimeoutResponse

Parameter	Type	Description
limit	String	Definition Build task execution timeout. Range 0-4.
unit	String	Definition Time unit for timeout. Range seconds, minute, or hour.

Table 4-272 CreateBuildJobScmResponse

Parameter	Type	Description
branch	String	Definition Name of the code branch. Range N/A.

Parameter	Type	Description
url	String	Definition Code repository address. Range N/A.
repo_id	String	Definition Repo ID. Range N/A.
web_url	String	Definition HTTPS address of the code repository. Range N/A.
scm_type	String	Definition Repository type. Range repo, github, gitee, gerrit, gitcode, or codehub
is_auto_build	Boolean	Definition Whether to trigger a build upon any code commit. Range • true: Auto-build allowed. • false: Auto-build disallowed.
enable_git_lfs	Boolean	Definition Whether to enable Git LFS. Range • true: Git LFS enabled. • false: Git LFS disabled.
build_type	String	Definition Build type. Options include build from a branch, tag, or commit. Range N/A.

Parameter	Type	Description
depth	String	Definition Clone depth. The clone depth is the number of recent commits that will be cloned. A larger value indicates more commits will be fetched. Range 1-25.
end_point_id	String	Definition Endpoint ID used for pulling code from services such as Git. Range N/A.
source	String	Definition Source of the code repository. Range N/A.
group_name	String	Definition Repository group name. Range N/A.
repo_name	String	Definition Repository name. Range N/A.

Table 4-273 CreateBuildJobStepsResponse

Parameter	Type	Description
properties	Map<String,Object>	Definition Build action parameters. Range N/A.
module_id	String	Definition Build action ID. Range N/A.

Parameter	Type	Description
name	String	Definition Build action name. Range N/A.
version	String	Definition Build action version. Range N/A.
enable	Boolean	Definition Whether to enable automatic build task. Range • true: Enabled. • false: Disabled.

Table 4-274 TriggerResponse

Parameter	Type	Description
parameters	Array of ParameterItemResponse objects	Definition Custom parameter. Range N/A.
name	String	Definition Trigger type. Range N/A.

Table 4-275 ParameterItemResponse

Parameter	Type	Description
name	String	Definition Custom parameter name. Range Custom parameter name. The length cannot exceed 128 characters. Only letters, digits, and underscores (_) are supported.

Parameter	Type	Description
value	String	Definition Parameter value. Range Default value of the custom parameter. Max. 8,192 characters.

Status code: 400**Table 4-276** Response body parameters

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

Status code: 401**Table 4-277** Response body parameters

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

Status code: 403**Table 4-278** Response body parameters

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

Status code: 404**Table 4-279** Response body parameters

Parameter	Type	Description
error_code	String	Error code.

Parameter	Type	Description
error_msg	String	Error message.

Status code: 500

Table 4-280 Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "result": {
    "steps": null,
    "arch": "x86-64",
    "project_id": "a287e712be6c404ca26e5f69040fa12b",
    "job_name": "oychap213i2",
    "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, predefined parameters",
        "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.{region}.example.com:soso-test00001/an.git",
  "is_auto_build": false,
  "scm_type": "codehub",
  "end_point_id": null,
  "web_url": "https://devcloud.{region}.example.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](#).

4.2 CodeArts Build APIs (Unavailable Soon)

4.2.1 Stopping a Build Task (Unavailable Soon)

Function

This API is used to stop a build task.

Calling Method

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

URI

POST /v3/jobs/stop

Request Parameters

Table 4-281 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Table 4-282 Request body parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Build task ID. It includes digits and letters. To obtain this ID, open the page for editing the build task in your browser, and copy the 32-character string at the end of the URL. Range N/A.

Parameter	Mandatory	Type	Description
build_no	Yes	String	Definition The build number tracks each run of the build task. This parameter starts at 1, indicating the first build. It increments by 1 for every subsequent run. Range N/A.

Response Parameters

Status code: 200

Table 4-283 Response body parameters

Parameter	Type	Description
result	Boolean	Definition Result of the request for stopping a build. Range N/A.

Status code: 400

Table 4-284 Response body parameters

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

Status code: 401

Table 4-285 Response body parameters

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

Status code: 403**Table 4-286** Response body parameters

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

Status code: 404**Table 4-287** Response body parameters

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

Status code: 500**Table 4-288** Response body parameters

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

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](#).

4.2.2 Downloading Build Logs (Unavailable Soon)

Function

This API is used to download build logs.

Calling Method

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

URI

GET /v3/{record_id}/download-log

Table 4-289 Path Parameters

Parameter	Mandatory	Type	Description
record_id	Yes	String	Definition Build record ID. Constraints N/A. Range Use a 36-character string that includes digits, lowercase letters, and hyphens (-). Default Value N/A.

Request Parameters

Table 4-290 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200**Table 4-291** Response body parameters

Parameter	Type	Description
-	File	Definition Obtained file. Range N/A.

Status code: 400**Table 4-292** Response body parameters

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

Status code: 401

Table 4-293 Response body parameters

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

Status code: 403**Table 4-294** Response body parameters

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

Status code: 404**Table 4-295** Response body parameters

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

Status code: 500**Table 4-296** Response body parameters

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

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](#).

4.2.3 Obtaining the Directed Acyclic Graph of a Build Record (Unavailable Soon)

Function

This API is used to obtain the directed acyclic graph of a build record.

Calling Method

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

URI

GET /v3/{build_flow_record_id}/flow-graph

Table 4-297 Path Parameters

Parameter	Mandatory	Type	Description
build_flow_record_id	Yes	String	Definition Build record ID of a parent task. Constraints Use a 36-character string that includes digits and lowercase letters. Range N/A. Default Value N/A.

Request Parameters

Table 4-298 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200

Table 4-299 Response body parameters

Parameter	Type	Description
success	Boolean	Definition Status. Range • true: Success. • false: Failure.
message	String	Definition Message. Range N/A.
err_code	String	Definition Error code. Range N/A.
result	result object	Definition Data returned after the API is successfully called. Range N/A.

Table 4-300 result

Parameter	Type	Description
edges	Array of edges objects	Definition Edges. Range N/A.
vertices	Array of Vertices objects	Definition Record information. Range N/A.

Table 4-301 edges

Parameter	Type	Description
from	String	Definition Dependent subtask ID. Range N/A.
to	String	Definition Dependency subtask ID. Range N/A.

Table 4-302 Vertices

Parameter	Type	Description
id	String	Definition Build record ID of a subtask. Range N/A.
status	String	Definition Execution status of a subtask. Range N/A.
display_name	String	Definition Subtask name. Range N/A.
build_duration	Integer	Definition Build duration of a subtask. Range N/A.
start_time	String	Definition Subtask start time. Range N/A.

Parameter	Type	Description
finish_time	String	Definition Subtask end time. Range N/A.
build_no	String	Definition Build number of a subtask. Range 0-2147483647

Status code: 400**Table 4-303** Response body parameters

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

Status code: 401**Table 4-304** Response body parameters

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

Status code: 403**Table 4-305** Response body parameters

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

Status code: 404

Table 4-306 Response body parameters

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

Status code: 500

Table 4-307 Response body parameters

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

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

Status Code	Description
401	Unauthorized
403	Forbidden
404	Not Found
500	Internal Server Error

Error Codes

See [Error Codes](#).

4.2.4 Obtaining Build Record Information (Unavailable Soon)

Function

This API is used to obtain build record information.

Calling Method

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

URI

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

Table 4-308 Path Parameters

Parameter	Mandatory	Type	Description
job_id	Yes	String	Definition Enter the ID of the build task whose history you want to query. To obtain this ID, open the build task details page in your browser, and copy the 32-character string, which includes both digits and letters, at the end of the URL. Constraints N/A. Range The value is 32 characters long. Only letters and digits are allowed. Default Value N/A.
build_no	Yes	Integer	Definition The build number tracks each run of the build task. This parameter starts at 1, indicating the first build. It increments by 1 for every subsequent run. Constraints The value is a positive integer. Range Use only numbers that are 1 or greater. Default Value 1

Request Parameters

Table 4-309 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	Definition User token. (The value of the X-Subject-Token response header is the user token.) It is obtained by calling the IAM API. Constraints Global tenant tokens are not supported. Use a region-level token whose scope is project . Range N/A. Default Value N/A.

Response Parameters

Status code: 200**Table 4-310** Response body parameters

Parameter	Type	Description
success	Boolean	Definition Status. Range N/A.
message	String	Definition Message. Range N/A.
err_code	String	Definition Error code. Range N/A.

Parameter	Type	Description
result	result object	Definition Data returned after the API is successfully called. Range N/A.

Table 4-311 result

Parameter	Type	Description
id	String	Definition ID. Range N/A.
buildProjectId	String	Definition Build project ID. It uniquely corresponds to codeci_job_id . Range N/A.
buildRecordId	String	Definition Build record ID. Range N/A.
parentRecordId	String	Definition Parent build record ID. Range N/A.
devcloudProjectId	String	Definition Project ID. Range N/A.
codeciJobId	String	Definition Task ID. It uniquely corresponds to build_project_id . Range N/A.

Parameter	Type	Description
userId	String	Definition User ID. Range N/A.
buildNo	Integer	Definition Build number. Range N/A.
dailyBuildNum	String	Definition Daily build number. It starts from 1 every day. Range N/A.
executionId	String	Definition CloudOctopus task ID. Range N/A.
repoName	String	Definition Code repository name. Range N/A.
repold	String	Definition Code repository ID. Range N/A.
branch	String	Definition Repository branch. Range N/A.
tag	String	Definition Repository tag. Range N/A.

Parameter	Type	Description
commit	String	Definition Repository commit ID. Range N/A.
commitMessage	String	Definition Repository commit message. Range N/A.
commitCreateTime	String	Definition Commit creation time. Range N/A.
triggerType	String	Definition Triggering mode. Options include MANUAL (manual execution), TIMED_EXECUTION (schedule), CODEHUB_TRIGGER (code change), or PIPELINE_TRIGGER (pipeline). Range - MANUAL: Manual trigger - TIMED_EXECUTION: Scheduled trigger - CODEHUB_TRIGGER: Code change trigger - PIPELINE_TRIGGER: Pipeline trigger
buildType	String	Definition Build type. Options include build from a branch, tag, or commit. Range branch, tag, and commitId.
status	String	Definition Build status. Range N/A.
domainId	String	Definition Tenant ID. Range N/A.

Parameter	Type	Description
createTime	String	Definition Build task creation time. Range N/A.
scheduleTime	String	Definition Build assignment time. Range N/A.
queuedTime	String	Definition Build queuing duration. Range N/A.
startTime	String	Definition Build start time. Range N/A.
runnableTime	String	Definition Time when CloudOctopus starts the build process. Range N/A.
finishTime	String	Definition Build end time. Range N/A.
duration	Float	Definition Build duration. Range N/A.
recordStatus	String	Definition Build task record status. Range N/A.

Parameter	Type	Description
usePrivateSlave	Integer	Definition Whether a custom executor is used. Range N/A.
region	String	Definition The region where the tenant is located. Range N/A.
errMsg	String	Definition Error message. Range N/A.
buildConfigType	String	Definition Build configuration type. It can be YAML or ACTION . Range YAML or ACTION.

Status code: 400**Table 4-312** Response body parameters

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

Status code: 401**Table 4-313** Response body parameters

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

Status code: 403

Table 4-314 Response body parameters

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

Status code: 404

Table 4-315 Response body parameters

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

Status code: 500

Table 4-316 Response body parameters

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

Example Requests

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

Example Responses

Status code: 200

OK

```
{
  "success": true,
  "message": "",
  "err_code": "",
  "result": {
    "id": "8605c15d-efac-4973-9825-8fa16202c4a4",
    "buildProjectId": "6a310b95-62e3-48eb-a35b-474f5daa3ccc",
    "buildRecordId": "48da14e2-6ee7-495b-9dc7-f14d4a344511",
    "devcloudProjectId": "eeb08ff821434781ac86211e640c50b2",
    "codeciJobId": "b3c3fbb0cc0a4b388cb500b807a42334",
    "userId": "6d7a54d45bf44a0684a7a682f719ffd9",
    "buildNo": 1,
    "dailyBuildNum": "20220909.1",
    "executionId": "j_AIQZdVeb",
    "repoName": "APITest-Python-02",
    "repold": 568398,
```

```
{
  "branch": "master",
  "commit": "c2be53c0ffe913e4c9b8cebd013dcbef3a76d70b",
  "commitMessage": "init",
  "commitCreateTime": "2019-11-13T03:28:32.000+00:00",
  "triggerType": "MANUAL",
  "buildType": "branch",
  "status": "SUCCESS",
  "domainId": "764f03980afc4e5c97a1a9a73c1d707a",
  "createTime": "2022-09-09T06:31:50.000+00:00",
  "scheduleTime": "2022-09-09T06:31:50.000+00:00",
  "queuedTime": "2022-09-09T06:31:51.000+00:00",
  "startTime": "2022-09-09T06:31:51.000+00:00",
  "runnableTime": "2022-09-09T06:31:50.000+00:00",
  "finishTime": "2022-09-09T06:32:43.000+00:00",
  "duration": 52261.0,
  "usePrivateSlave": 0,
  "region": "xx-xxxx-xx",
  "buildConfigType": "ACTION\\",
  "tag": null,
  "recordStatus": null,
  "errMsg": null
}
```

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 Application Examples

5.1 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

Use the API designed to execute a build task by providing key request parameters, such as the user token and the task ID. Additionally, leverage the API that monitors task progress to check the task status using the task ID. Here is how you can use these APIs:

1. Run the build task. (For details, see [Running a Build Task](#).)
2. Check the task status. (For details, see [Checking Task Running Status](#).)

Procedure

Step 1 Run a build task.

- API information

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

For details about the API, see [Running a Build Task](#).

- Example request

```
POST https://build.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 [Checking Task Running Status](#).

- Example request

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

- Example response

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

----End

5.2 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

Use the API that allows you to query build tasks within a specific project by using either a user token or a project ID. (For details, see [Querying Build Tasks in a Project](#).)

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 [Querying Build Tasks in a Project](#).

- Example request

```
GET https://build.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_Image_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_Image",
    "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

6 Appendix

6.1 Status Codes

Table 6-1 describes status codes.

Table 6-1 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 exists, or the request fails to be processed because of the update of the conflict request.
410	Gone	The requested resource cannot be found. This status code indicates that the requested resource has been deleted permanently.
411	Length Required	The server refused to process the request because the request does not specify the length of its content.
412	Precondition Failed	The server does not meet one of the preconditions that the requester puts on the request.
413	Request Entity Too Large	The server refuses to process a request because the request is too large. The server may disable the connection to prevent the client from sending requests consecutively. If the server temporarily cannot process the request, the response will contain a 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.

6.2 Error Codes

Status Code	Error Codes	Error Message	Description	Solution
400	CB.00060200	Invalid parameter.	The parameter is invalid.	Check whether the parameter value is valid.
400	CB.00060201	Invalid task ID.	The task ID is invalid.	Check if the task ID is valid.

Status Code	Error Codes	Error Message	Description	Solution
400	CB.00060202	Invalid service ID.	The service ID is invalid.	The service ID can contain only lowercase letters and digits. Check whether the parameter is valid.
400	CB.00060203	Invalid file name.	The file name is invalid.	The file name must be 1 to 500 characters.
400	CB.00060211	Too many requests. Try again later.	Requests are too frequent. Please try again later.	You have sent requests too frequently. Please try again later.
400	CB.00060212	The file cannot be empty.	The file to be uploaded cannot be empty.	Check whether a file is selected for upload.
400	CB.00060213	Max. x files.	You can upload a maximum of x files.	Upload fewer files at a time.
404	CB.00060214	URL not found.	The URL is invalid.	Check whether the requested URL is correct.
500	CB.00060100	Network busy. Try again later.	The network is busy. Try again later.	Try again later.
500	CB.00060101	Internal error.	An internal service error occurs.	The service encountered an internal exception.

6.3 Obtaining a Project ID

6.3.1 Obtaining an IAM Project ID

Obtaining an IAM Project ID by Calling an API

You can obtain a project ID by calling the API used to [query project information based on the specified criteria](#).

The API used to obtain an IAM project ID is **GET https://{Endpoint}/v3/projects/**, where *{Endpoint}* indicates the IAM endpoint. You can obtain the IAM endpoint

from [Regions and Endpoints](#). For details about API authentication, see [Authentication](#).

The following is a sample response. The value of **id** under **projects** is the IAM 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"
  }
}
```

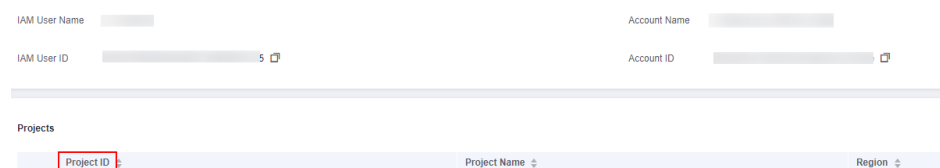
Obtaining an IAM Project ID from the Console

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

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

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

Figure 6-1 Viewing an IAM project ID



6.3.2 Obtaining a CodeArts Project ID

Obtaining a Project ID from a URL

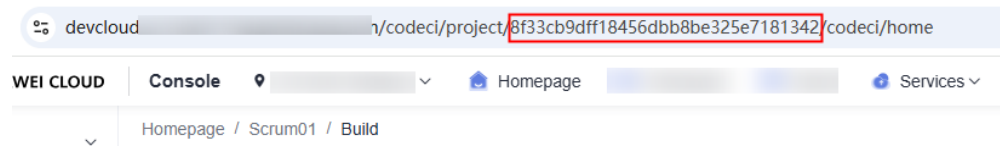
Step 1 [Log in to the Huawei Cloud console](#) with your Huawei Cloud account.

Step 2 Click  in the upper left corner and choose **Developer Services > CodeArts Build** from the service list.

Step 3 Click **Go to CodeArts Build** in the upper right corner.

Step 4 Go to the specified project. As shown in [Figure 6-2](#), the information in the red box indicates the CodeArts project ID.

Figure 6-2 CodeArts project ID



----End

6.4 Obtaining an Account ID

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

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

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

7 Change History

Each document issue builds upon the previous one, with the latest issue incorporating all changes made in earlier versions.

Release d On	Change Description
Novemb er 30, 2023	This is the first official release.