Cloud Operations Center

API Reference

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HUAWEI CLOUD COMPUTING TECHNOLOGIES CO., LTD.

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1 Before You Start

COC is a secure and efficient O&M platform, offering one-stop, AI-powered solutions for all your centralized O&M needs. It encompasses Huawei Cloud deterministic operations scenarios and features essential functionalities such as change management, batch O&M, and chaos drills, to improve cloud O&M efficiency while ensuring security compliance.

COC provides the following functions:

- O&M situation awareness dashboard is the dedicated O&M BI dashboard for different O&M roles to help management in insight decision-making and optimization.
- Full-lifecycle resource management is available. It includes O&M operations such as resource definition, request, provisioning, O&M, configuration change, renewal, and recycling; building a resource management cockpit.
- Change risk control and job trustworthiness are available. The management and control model of best practices of Huawei SRE in secure production helps you achieve trustworthy, stable, and reliable O&M experience.
- Standardized fault management and war room cockpit achieve efficient fault collaboration and quick fault rectification.
- Intelligent chaos drills provide full-stack chaos engineering solutions, transforming traditional passive O&M to proactive O&M.

API Calling

COC provides Representational State Transfer (REST) APIs, and allows you to make API calls over HTTPS.

VPC Endpoint

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

Restrictions and Limitations

For more constraints, see **API**.

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Concepts

- Account

  An account is created upon successful signing up. 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, which should not be used directly to perform routine management. For security purposes, create Identity and Access Management (IAM) users and grant them permissions for routine management.

- User

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

  API authentication requires information such as the account name, username, and password.

- Region

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

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

- AZ

  An AZ comprises of one or more physical data centers equipped with independent ventilation, fire, water, and electricity facilities. Computing, network, storage, and other resources in an AZ are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to allow you to build cross-AZ high-availability systems.

- Project

  A project corresponds to a region. Default projects are defined to group and physically isolate resources (including computing, storage, and network resources) across regions. Users can be granted permissions in a default project to access all resources under their accounts in the region associated with the project. If you need more refined access control, create subprojects under a default project and create resources in subprojects. Then you can assign users the permissions required to access only the resources in the specific subprojects.

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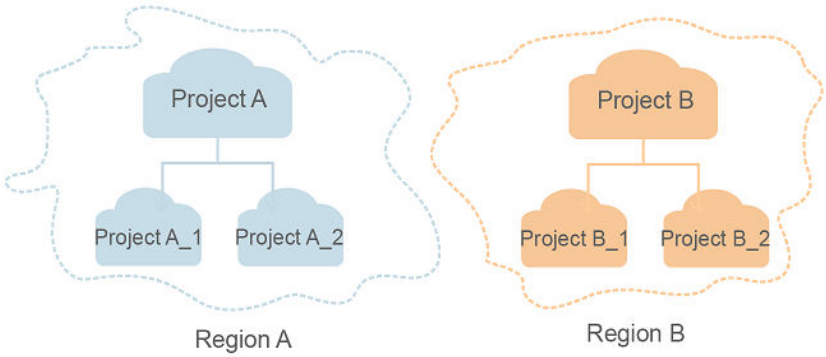
Figure 1-1 Project isolation model



- Enterprise Project

  Enterprise projects group and manage resources across regions. Resources in different enterprise projects are logically isolated. An enterprise project can contain resources of multiple regions, and resources can be added to or removed from enterprise projects.

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

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2 API Overview

COC provides you with APIs related to resource O&M and automatic O&M.

Table 2-1 API description

API Category	Description
4.1 Application Resource Management	Create, modify, and delete applications, components, and groups, synchronize resources, and query resource information of tenants.
4.2 Script Management	Create, modify, delete, and query custom scripts.
4.3 Job Management	Create, modify, execute, delete, and query jobs.
4.4 Patch management	Query patch management compliance reports.
4.5 Scheduled O&M	Create, modify, query, delete, disable, and enable scheduled O&M.
4.6 Fault Management	Manage incidents, issue tickets, war rooms, integrated monitoring systems, and diagnose faults.
4.7 Change Management	Create, update, delete, and query change tickets.

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3 Calling APIs

3.1 Making an API Request

This section describes how to make a REST API request, and uses the IAM API for **creating an IAM user** as an example to describe how to call an API.

Request URI

A request URI is in the following format:

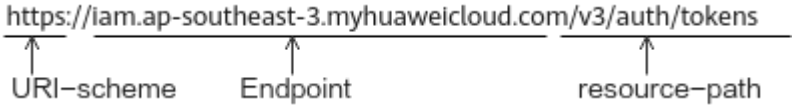
{URI-scheme}://{Endpoint}/{resource-path}?{query-string}

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

- **URI-scheme**: protocol used to transmit requests. All APIs use HTTPS.
- **Endpoint**: Domain name or IP address of the server bearing the REST service. The endpoint varies between services in different regions. It can be obtained from **Regions and Endpoints**. For example, the endpoint of IAM in CN-Hong Kong is **iam.ap-southeast-1.myhuaweicloud.com**.
- **resource-path**: resource path, that is the access path of an API for performing a specified operation. Obtain the path from the URI of an API. For example, the value of **resource-path** for the API used to create an IAM user is **/v3.0/OS-USER/users**.
- **query-string**: query parameter, which is optional. Ensure there is a question mark (?) in front of each query parameter, that is, in the format of **?** ***Parameter name*=*Parameter value***. For example, **? limit=10** indicates that a maximum of 10 data records will be displayed.

```
https://iam.ap-southeast-3.myhuaweicloud.com/v3/auth/tokens
```

Figure 3-1 Example URI



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NOTE

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

For example, if you want to create an IAM user, use the endpoint of any region (for example, the endpoint in CN-Hong Kong: iam.ap-southeast-1.myhuaweicloud.com) and the resource-path (**/v3.0/OS-USER/users**) in the URI of the **API used by the administrator to create an IAM user**. The following is an example:

```
https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
```

Figure 3-2 Example URI

NOTE

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

Request Methods

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

HTTP methods, which are also called operations or actions, specify the type of operations that you are requesting.

- **GET**: requests the server to return specified resources.
- **PUT**: requests the server to update specified resources.
- **POST**: requests the server to add resources or perform special operations.
- **DELETE**: requests the server to delete specified resources, for example, an object.
- **HEAD**: requests the server to return the response header only.
- **PATCH**: requests the server to update partial content of a specified resource. If the requested resource does not exist, the server may create a resource using PATCH.

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

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/user
```

Request Header

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

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Common request header fields are as follows:

- **Content-Type**: request body type (format). This header is mandatory, and the default value is **application/json**. Other values of this header, if any, will be provided for specific APIs.
- **X-Auth-Token**: user token. This header is mandatory only for token-based authentication. The user token is a response to the API for **obtaining a user token**. This API is the only one that does not require authentication.
- **Authorization**: specifies the signature authentication information. This field is optional. When AK/SK-based authentication is enabled, this field is automatically specified when SDK is used to sign the request. For details about AK/SK authentication, see **AK/SK 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 when SDK is used to sign the request. For details about AK/SK authentication, see **AK/SK Authentication**.
- **X-Project-ID**: specifies the subproject ID. This field is optional. It can be used in multi-project scenarios. The **X-Project-ID** field is mandatory in the request header for accessing resources in a sub-project through AK/SK-based authentication.
- **X-Domain-ID**: specifies an account ID, which is optional. The **X-Domain-ID** field is mandatory for calling APIs of global services through AK/SK-based authentication.

For the API for **creating an IAM user as an administrator**, if AK/SK-based authentication is enabled, the request with the header is as follows:

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
Content-Type: application/json
X-Sdk-Date: 20240416T095341Z
Authorization: SDK-HMAC-SHA256 Access=**********, SignedHeaders=content-type;host;x-sdk-date,
Signature=**********
```

Request Body

The body of a request is often sent in a structured format as specified in the **Content-Type** header field. The request body transfers content except the request header. If the request body contains Chinese characters, set **Content-type** to **utf-8**, for example, **Content-Type: application/json; charset=utf-8**.

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

For the API for **creating an IAM user as an administrator**, you can check the required request parameters and their description in the API request. The following provides an example request with a body included. Replace the italic fields in bold with the actual values.

- *accountid*: ID of the account to which the IAM user belongs.
- **username**: name of an IAM user
- **email**: email of an IAM user
- **************: login password of an IAM user

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
```

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```
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 to call APIs:

- Token authentication: Requests are authenticated using tokens.
- AK/SK authentication: Requests are encrypted using AK/SK pairs.

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 corresponding 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 is used to acquire temporary permissions. During API authentication using a token, the token is added to requests to get permissions for calling the API.

To obtain a token, call the API for **obtaining a user token**. For this service, the project-level token is required. You need to set **auth.scope** in the request body to **project**.

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

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```
    }
}
```

After a token is obtained, the **X-Auth-Token** header field must be added to the request header to specify the token when calling other APIs. For example, if the token is **ABCDEFG....**, add **X-Auth-Token: ABCDEFG....** to a request header as follows:

```
POST https://iam.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/usersContent-Type: application/json
X-Auth-Token: ABCDEFG....
```

AK/SK Authentication

NOTE

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

AK/SK-based authentication is the process of signing a request with an AK/SK pair and adding the signature as a request header for authentication.

- AK: access key ID, which is a unique identifier used with a secret access key to sign requests cryptographically.
- SK: secret access key, which is used together with an AK to sign requests cryptographically. It identifies a request sender and prevents the request from being modified.

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

NOTICE

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

3.3 Response

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

Status Codes

A status code is a group of digits, ranging from 1*xx* to 5*xx*. It indicates the status of a request. For more information, see **6.1 Status Codes**.

If status code 201 is returned for the API for **creating an IAM user as an administrator**, the request is successful.

Response Header

A response header is similar to a request header (for example, **Content-Type**).

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For the API for **creating an IAM user as an administrator**, the message header shown in **Figure 3-3** is returned.

Figure 3-3 Header fields of the response to the request for creating an IAM user


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


Response Body

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

For the API for **creating an IAM user as an administrator**, the following message body is returned. The following is part of the response body:


```
{
    "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 displayed. The following shows an error response body.


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


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

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4 API

4.1 Application Resource Management

4.1.1 Application

4.1.1.1 Create an Application

Function

An application groups identical or similar components based on service requirements.

After an application is created, you can add sub-applications and components to it.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:create	Write	application *	-	-	-

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URI

POST /v1/applications

Request Parameters

Table 4-1 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Application name. **Constraints**: The value consists of letters, digits, hyphens (-), and underscores (_). **Value Range**: The value is a string with 3 to 50 characters. **Default value**: N/A
parent_id	No	String	**Definition**: Parent node ID. **Constraints**: N/A **Value Range**: If you query the projects created by yourself, the project ID of the region is returned. **Default value**: N/A
description	No	String	**Definition**: Description. **Constraints**: N/A **Value Range**: The value can be customized and contains 1 to 256 characters. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-2 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID allocated by COC-CMDB. **Value Range**: N/A

Example Requests

This API is used to create an application in the application management module.

```
POST https://{Endpoint}/v1/applications

{
  "parent_id" : "67e3b885ef614c77c8b76f49",
  "name" : "Test application",
  "description" : "Test application"
}
```

Example Responses

Status code: 200

The application is created.

```
{
  "data" : {
    "id" : "685d07b102a50263fb2c209d",
    "name" : "Test application",
    "code" : null,
    "domainId" : "dc2d76541f754d68a4c8d150262d92c2",
    "description" : "Test application",
    "parentId" : "67e3b885ef614c77c8b76f49",
    "path" : "6835d67559221e2d9a6bfa1b.6895bab5e86fed4474120a77",
    "isCollection" : null,
    "collectionUserIdList" : null,
    "createTime" : "2025-08-08T08:52:05.949+00:00",
    "updateTime" : "2025-08-08T08:52:05.949+00:00"
  }
}
```

Status Codes

Status Code	Description
200	The application is created.

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Error Codes

See **Error Codes**.

4.1.1.2 Modify an Application

Function

This API is used to adjust an application's name or description as required after the application is created.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:update	Write	application *	-	-	-

URI

PUT /v1/applications/{id}

Table 4-3 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: The value is user-defined. The value contains 24 characters. **Default value**: N/A

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Request Parameters

Table 4-4 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Application name. **Constraints**: The value consists of letters, digits, hyphens (-), and underscores (_). **Value Range**: The value is a string with 3 to 50 characters. **Default value**: N/A
description	No	String	**Definition**: Description. **Constraints**: N/A **Value Range**: The value can be customized and contains 1 to 256 characters. **Default value**: N/A
is_collection	No	Boolean	**Definition**: Whether to add it to favorites. **Constraints**: N/A **Value Range**: • **true**: The application is successfully added to favorites and can be viewed in My Favorites. • **false**: not added to favorites. **Default value**: By default, it is not added to favorites.

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Response Parameters

Status code: 200

Table 4-5 Response body parameters

Parameter	Type	Description
data	String	**Definition**: ID of the application you want to modify. **Value Range**: N/A

Example Requests

This API is used to change the application name.

```
PUT https://{Endpoint}/v1/applications/{id}

{
  "name" : "Crf_Large-scale application 1144",
  "description" : "test"
}
```

Example Responses

Status code: 200

An application is modified.

```
{
  "data" : "67e3b885ef614c77c8b76f49"
}
```

Status Codes

Status Code	Description
200	An application is modified.

Error Codes

See **Error Codes**.

4.1.1.3 Deleting an Application

Function

In the application resource management scenario, to delete a created application, you can accurately remove the target application based on the application ID.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:delete	Write	application *	-	-	-

URI

DELETE /v1/applications/{id}

Table 4-6 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Application ID. **Constraints**: If an application or sub-application contains groups, components, or sub-applications, the application or sub-application cannot be deleted. You can delete the application or sub-application only when the node is empty. **Value range**: The value is user-defined. The value contains 24 characters. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

An application is deleted.

None

Example Requests

This API is used to delete an application.

```
DELETE https://{Endpoint}/v1/applications/{id}
```

Example Responses

None

Status Codes

Status Code	Description
200	An application is deleted.

Error Codes

See **Error Codes**.

4.1.1.4 Querying an Application

Function

This API is used to query applications.

Application information is displayed on the **Overview** page to improve O&M efficiency.

The request parameter **limit** (number of records) is mandatory. The maximum number of records that can be queried at a time is 500.

The returned information includes the application ID, application name, application code, application description, tenant ID, parent node ID, application layer path, and whether the application is added to favorites.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:list	List	application *	-	-	-

URI

GET /v1/applications

Table 4-7 Query Parameters

Parameter	Mandatory	Type	Description
id_list	No	Array of strings	**Definition**: List of application IDs. **Constraints**: N/A **Value range**: The list contains 0 to 100 items. **Default value**: N/A
parent_id	No	String	**Definition**: Parent node ID **Constraints**: N/A **Value range**: If you query the projects created by yourself, the project ID of the region is returned. **Default value**: N/A

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Parameter	Mandatory	Type	Description
name_like	No	String	**Definition**: Application name. Fuzzy match by application name is supported. **Constraints**: N/A **Value range**: The value contains 1 to 50 characters. **Default value**: N/A
code	No	String	**Definition**: Application code **Constraints**: N/A **Value range**: The value is a string. It contains 3 to 50 characters. **Default value**: N/A
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: The value is a string. It contains 24 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
page_no	No	Integer	**Definition**: Page number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_collection	No	Boolean	**Definition**: Whether to add it to favorites. **Constraints**: N/A **Value range**: • **true**: The application is successfully added to favorites and can be viewed in my favorites. • **false**:It is not added to favorites. **Default value**: By default, it is not added to favorites.

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Parameter	Mandatory	Type	Description
is_root	No	Boolean	**Definition**: Whether the application is a root application. **Constraints**: N/A **Value range**: • **true**: root application • **false**: non-root application **Default value**: N/A
offset	No	String	**Definition**: Offset for pagination query, indicating that the query starts from this offset. **Constraints**: N/A **Value range**: **0** to **2147483647** **Default value**: 0

Request Parameters

None

Response Parameters

Status code: 200

Table 4-8 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Applications. **Value Range**: N/A

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Table 4-9 data

Parameter	Type	Description
id	String	**Definition**: Application ID **Value Range**: N/A
name	String	**Definition**: Application name. **Value Range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_).
code	String	**Definition**: App code. **Value Range**: N/A
domain_id	String	**Definition**: Tenant ID. **Value Range**: N/A
parent_id	String	**Definition**: Parent node ID. **Value Range**: N/A
description	String	**Definition**: Description. **Value Range**: N/A
path	String	**Definition**: Application path. **Value Range**: The value is combined by the application ID using a period (.).

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Parameter	Type	Description
is_collection	Boolean	**Definition**: Whether an application is added to favorites. **Value Range**: • **true**: The content is successfully added to favorites. • **False**: The program is not added to favorites.
create_time	String	**Definition**: Creation time. The value is in the ISO 8601 format. **Value Range**: N/A
update_time	String	**Definition**: Modification time. The value is in the ISO 8601 format. **Value Range**: N/A

Example Requests

The following uses a region as an example to describe how to query details about an application in the region.

```
GET https://{endpoint}/v1/applications?
id_list={id_list}&parent_id={parent_id}&name_like={name_like}&code={code}&marker={marker}&limit={limit
}

{
  "id_list" : [ 1, 2 ],
  "name_like" : "coc",
  "limit" : 200
}
```

Example Responses

Status code: 200

Application list details.

```
{
  "data" : [ {
    "id" : "64898bf60224b9730ccb577f",
    "name" : "testApplication",
    "code" : "testApplication",
    "description" : "dfdfdfd66",
    "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "parent_id" : null,
    "path" : "64898bf60224b9730ccb577f",
    "is_collection" : null,
```

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```
    "create_time" : "2023-06-14T09:44:22.116+00:00",
    "update_time" : "2025-01-21T03:51:02.767+00:00"
  } ]
}
```

Status Codes

Status Code	Description
200	Application list details.

Error Codes

See **Error Codes**.

4.1.1.5 Querying the List of Application, Component, and Group Names

Function

This API is used to search for applications, sub-applications, components, and groups by name.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:list	List	application *	-	-	-

URI

GET /v1/application-view/search

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Table 4-10 Query Parameters

Parameter	Mandatory	Type	Description
name_like	No	String	**Definition**: Fuzzy match by name is supported. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
code_list	No	Array of strings	**Definition**: Application, component, and group code. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
page_no	No	Integer	**Definition**: Page number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
is_collection	No	Boolean	**Definition**: Whether to add it to favorites. **Constraints**: N/A **Value range**: • **true**: Query applications, components, and groups in my favorites. The default value is **true**. • **false**: (Optional) Query applications, components, and groups from all applications. **Default value**: By default, it is not added to favorites.

Request Parameters

None

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Response Parameters

Status code: 200

Table 4-11 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	Query the list of application, component, and group names.

Table 4-12 data

Parameter	Type	Description
id	String	**Definition**: UUID allocated by CloudCMDB. **Value Range**: N/A
name	String	**Definition**: Name of an application, group, or component. **Value Range**: The value is a string. It can contain 3 to 50 characters.
code	String	**Definition**: Application, group, or component code. **Value Range**: The value is a string. It can contain 3 to 50 characters.
type	String	**Definition**: • **component**: component • **application**: application • **group**: **Value Range**: N/A

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Parameter	Type	Description
parent_id	String	**Definition**: Parent node ID, that is, the parent node ID of the path where the query result is located. **Value Range**: The value is a string with 24 characters.
component_id	String	**Definition**: Component ID. **Value Range**: The value is a string of 24 characters.
application_id	String	**Definition**: Application ID **Value Range**: The value is a string with 24 characters.
path	String	**Definition**: Path of the node, which consists of the application, component, and group IDs. **Value Range**: N/A
vendor	String	**Definition**: Cloud vendor information. **Value Range**: • **RMS**: Huawei Cloud • **ALI**: Alibaba Cloud vendor • **OTHER**: other vendors
related_domain_id	String	**Definition**: ID of the domain to which the cross-account resource belongs. **Value Range**: N/A

Example Requests

This API is used to query the list of applications, components, and group names.

```
GET https://{Endpoint}/v1/application-view/search?
limit=120&name_like=6690f166b78301337589c28c&is_collection=true
```

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Example Responses

Status code: 200

The application, component, and group names are queried.


```
{
  "data" : [ {
    "id" : "6863870e521f2d5e06e41deb",
    "name" : "test component_test55",
    "code" : "6863870e521f2d5e06e41deb",
    "type" : "component",
    "parent_id" : "686386a9521f2d5e06e41de8",
    "path" : "686386a9521f2d5e06e41de8.6863870e521f2d5e06e41deb",
    "component_id" : null,
    "application_id" : "686386a9521f2d5e06e41de8",
    "vendor" : null,
    "related_domain_id" : null
  } ]
}
```


Status Codes

Status Code	Description
200	The application, component, and group names are queried.

Error Codes

See **Error Codes**.

4.1.1.6 Querying Sub-applications, Sub-components, and Sub-groups

Function

This API is used to query sub-applications, sub-components, and sub-groups.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:listModel	List	application *	-	-	-

URI

GET /v1/application-model/next

Table 4-13 Query Parameters

Parameter	Mandatory	Type	Description
application_id	No	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: ID of the application for the component. There is a clear hierarchy between them. **Default value**: N/A
component_id	No	String	**Definition**: Component ID. **Constraints**: N/A **Value range**: ID of the component corresponding to the group created after the component is selected. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
marker	No	String	**Definition**: It is used for pagination query. **Constraints**: N/A **Value range**: ID of the last record in the previous query. **Default value**: N/A
page_no	No	Integer	**Definition**: Page number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-14 Response body parameters

Parameter	Type	Description
data	**data** object	**Definition**: Displays the lower-level information of the selected application, sub-application, component, or group. **Value Range**: N/A

Table 4-15 data

Parameter	Type	Description
sub_applications	Array of **ApplicationInfo** objects	**Definition**: List of applications to be queried. **Value Range**: The list size ranges from 0 to 500.
components	Array of **ComponentInfo** objects	**Definition**: List of component information to be queried. **Value Range**: The number of items in the list ranges from 0 to 500.
groups	Array of **GroupInfo** objects	**Definition**: List of groups to be queried. **Value Range**: The list size ranges from 0 to 500.

Table 4-16 ApplicationInfo

Parameter	Type	Description
id	String	**Definition**: Application ID **Value Range**: N/A

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Parameter	Type	Description
name	String	**Definition**: Application name. **Value Range**: The value is a string with 3 to 50 characters.
code	String	**Definition**: App code. **Value Range**: N/A
description	String	**Definition**: Application description **Value Range**: N/A
domain_id	String	**Definition**: Tenant ID. **Value Range**: N/A
parent_id	String	**Definition**: Parent node ID. **Value Range**: N/A
path	String	**Definition**: Node path. **Value Range**: N/A
create_time	String	**Definition**: Creation time. The value is in the ISO 8601 format. **Value Range**: N/A
update_time	String	**Definition**: Last modification time. The value is in the ISO 8601 format. **Value Range**: N/A

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Table 4-17 ComponentInfo

Parameter	Type	Description
id	String	**Definition**: Component ID. **Value range**: N/A
name	String	**Definition**: Component name. **Value range**: The value is a string. It contains 3 to 50 characters.
code	String	**Definition**: Component code. **Value range**: N/A
domain_id	String	**Definition**: Account ID. **Value range**: N/A
application_id	String	**Definition**: Application ID. **Value range**: N/A
path	String	**Definition**: Component node path. **Value range**: N/A

Table 4-18 GroupInfo

Parameter	Type	Description
id	String	**Definition**: Group ID. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition**: Group name. **Value range**: N/A
code	String	**Definition**: Group code. **Value range**: N/A
domain_id	String	**Definition**: Account ID. **Value range**: N/A
region_id	String	**Definition**: Region ID. **Value range**: N/A
application_id	String	**Definition**: Application ID. **Value range**: N/A
component_id	String	**Definition**: Component ID. **Value range**: N/A
sync_mode	String	**Definition**: Resource association method. **Value range**: • **MANUAL**: manual association • **AUTO**: intelligent association
vendor	String	**Definition**: Vendor. **Value range**: • **RMS**: Huawei Cloud • **ALI**: Alibaba Cloud vendor • **OTHER**: other vendors

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Parameter	Type	Description
sync_rules	String	**Definition**: Automatic association rule. **Value range**: N/A
relation_configurations	Array of strings	**Definition**: Group configuration information. **Value range**: N/A

Example Requests

This API is used to query sub-applications, sub-components, and sub-groups.

```
GET https://{Endpoint}/v1/application-model/next
```

Example Responses

Status code: 200

The query is successful.


```
{
  "data" : {
    "sub_applications" : [ {
      "id" : "67e3b885ef614c77c8b76f4a",
      "name" : "Sub application_1",
      "code" : "67e3b885ef614c77c8b76f4a",
      "description" : null,
      "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
      "parent_id" : "67e3b885ef614c77c8b76f49",
      "path" : "67e3b885ef614c77c8b76f49.67e3b885ef614c77c8b76f4a",
      "is_collection" : null,
      "create_time" : "2025-03-26T08:19:17.891+00:00",
      "update_time" : "2025-03-26T08:19:17.891+00:00"
    }, {
      "id" : "6854fe9161db913bfd085f91",
      "name" : "test1144",
      "code" : "6854fe9161db913bfd085f91",
      "description" : null,
      "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
      "parent_id" : "67e3b885ef614c77c8b76f49",
      "path" : "67e3b885ef614c77c8b76f49.6854fe9161db913bfd085f91",
      "is_collection" : null,
      "create_time" : "2025-06-20T06:24:17.855+00:00",
      "update_time" : "2025-06-20T06:25:28.108+00:00"
    }, {
      "id" : "6854b6eee3ffc53bc02adb7f",
      "name" : "trryyztd",
      "code" : "6854b6eee3ffc53bc02adb7f",
      "description" : null,
      "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
      "parent_id" : "67e3b885ef614c77c8b76f49",
      "path" : "67e3b885ef614c77c8b76f49.6854b6eee3ffc53bc02adb7f",
      "is_collection" : null,
      "create_time" : "2025-06-20T01:18:38.860+00:00",
      "update_time" : "2025-06-20T01:18:38.860+00:00"
```


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```
  } ],
  "components" : null,
  "groups" : null
 }
}
```

Status Codes

Status Code	Description
200	The query is successful.

Error Codes

See **Error Codes**.

4.1.1.7 Creating Applications, Groups, and Components in Batches

Function

You can create applications, groups, and components in the advanced creation method.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:create	Write	application *	-	-	-

URI

POST /v1/application-view/batch-create

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Request Parameters

Table 4-19 Request body parameters

Parameter	Mandatory	Type	Description
application_list	Yes	Array of **application_list** objects	**Definition**: List of application information. **Constraints**: N/A **Value Range**: N/A **Default value**: N/A
component_list	No	Array of **component_list** objects	**Definition**: List of component information. **Constraints**: N/A **Value Range**: None. **Default value**: N/A
group_list	No	Array of **group_list** objects	**Definition**: List of group information. **Constraints**: N/A **Value Range**: N/A **Default value**: N/A

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Table 4-20 application_list

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Application name. **Constraints**: N/A **Range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: N/A.
description	No	String	**Definition**: Application description **Constraints**: N/A **Value Range**: The value is a string with 0 to 256 characters. **Default value**: N/A
parent_name	No	String	**Definition**: Parent node name. **Constraints**: N/A **Value Range**: The value is a string of 3 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
level	No	String	**Definition**: Level. The default application level is 1, and the sub-application level is 2. **Constraints**: N/A **Value Range**: • **1**: application layer • **2**: sub-application level **Default value**: The default application layer is 1.

Table 4-21 component_list

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Name of a component. **Constraints**: N/A **Value Range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: N/A
parent_name	No	String	**Definition**: Parent node name. **Constraints**: N/A **Value Range**: The value is a string with 3 to 50 characters. **Default value**: N/A

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Table 4-22 group_list

Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Group name. **Constraints**: N/A **Value Range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: N/A
region_id	No	String	**Definition**: Region ID. **Constraints**: N/A **Value Range**: N/A **Default value**: N/A
cmdb_resource_id_list	No	Array of strings	**Definition**: Associated resource ID list. **Constraints**: N/A **Value Range**: N/A **Default value**: N/A
parent_name	No	String	**Definition**: Parent node name. **Constraints**: N/A **Value Range**: The value is a string with 3 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
sync_mode	No	String	**Definition**: Synchronization mode. **Constraints**: N/A **Value Range**: • **MANUAL**: indicates manual association. You can manually associate resource data with a group for management. • **AUTO**: Intelligent association is enabled. You can add resources with the same tag in an enterprise project to the same resource group by enterprise project and tag. **Default value**: N/A
sync_rules	No	Array of **sync_rules** objects	**Definition**: Automatic association rule. **Constraints**: N/A **Value Range**: Intelligently associate the selected enterprise project with the existing and future resources of the corresponding tag. **Default value**: N/A

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Parameter	Mandatory	Type	Description
application_name	No	String	**Definition**: Name of the application associated with the group. **Constraints**: None. **Range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: None.
component_name	No	String	**Definition**: Name of the component associated with the group. **Constraints**: N/A **Value Range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: N/A

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Parameter	Mandatory	Type	Description
vendor	No	String	**Definition**: Cloud vendor information. **Constraints**: None. **Value Range**: • **RMS**: Huawei Cloud. • **AWS**: Amazon • **Azure**: Microsoft Azure • **ALI**: Alibaba Cloud • **VMWARE**: VMware • **OPENSTACK**: OpenStack cloud platform. • **HCS**: Huawei hybrid cloud solution Huawei Cloud Stack • **OTHER**: other cloud vendors **Default value**: N/A
relation_configurations	No	Array of **GroupRelationConfiguration** objects	**Definition**: Group configuration information. **Constraints**: N/A **Value Range**: Associated configuration information of the group, for example, configuration information of the corresponding APM. **Default value**: N/A

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Parameter	Mandatory	Type	Description
related_domain_id	No	String	**Definition**: ID of the associated tenant. **Constraints**: N/A **Value Range**: The value is a string with 32 characters. **Default value**: N/A

Table 4-23 sync_rules

Parameter	Mandatory	Type	Description
ep_id	No	String	**Definition**: Enterprise project ID. **Constraints**: N/A **Value Range**: Select a project ID that exists in**Enterprise Management**. **Default value**: N/A
rule_tags	No	String	**Definition**: Associate resources with tags. **Constraints**: N/A **Value Range**: The value can be customized. **Default value**: N/A

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Table 4-24 GroupRelationConfiguration

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Configuration type. Configure the application, component, and environment of the APM service corresponding to the group. APM service performance information can be obtained during fault diagnosis. **Constraints**: N/A **Value range**: • **APM**: probe developed by the APM service • **OTEL**: open-source probe OpenTelemetry • **SKYWALKING**: open-source probe SkyWalking **Default value**: N/A
parameters	No	Map<String,String>	**Definition**: Configuration parameters. **Constraints**: N/A **Value range**: APM configuration parameter **app_id->business_id->env_id**. The value contains multiple fields. The maximum length is for reference only. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-25 Response body parameters

Parameter	Type	Description
application_ids	Array of strings	**Definition**: Application ID list. **Value Range**: N/A
component_ids	Array of strings	**Definition**: Component ID list. **Value Range**: N/A
group_ids	Array of strings	**Definition**: Group ID list. **Value Range**: N/A

Example Requests

This API is used to create applications, groups, and components in batches.

```
POST https://{Endpoint}/v1/application-view/batch-create

{
  "application_list" : [ {
    "name" : "testcreatet111",
    "description" : "test11",
    "level" : "1"
  } ],
  "component_list" : [ {
    "name" : "testcomponent22",
    "parent_name" : "testcreatet111"
  } ],
  "group_list" : [ {
    "name" : "testgroup888",
    "region_id" : "testregion",
    "vendor" : "RMS",
    "component_name" : "testcomponent22",
    "application_name" : "testcreatet111",
    "sync_mode" : "AUTO",
    "related_domain_id" : null,
    "sync_rules" : [ {
      "ep_id" : "0",
      "rule_tags" : "[{\"key\":\"test1222\",\"value\":\"teee\"}]"
    } ],
    "relation_configurations" : null,
    "cmdb_resource_id_list" : null
  } ]
}
```

Example Responses

Status code: 200

Applications, groups, and components are successfully created in batches.

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```
{
  "data" : {
    "application_ids" : [ "68906f0d2e9e061ab9424d0d", "68906f0d2e9e061ab9424d0c" ],
    "component_ids" : [ "68906f0d2e9e061ab9424d0e" ],
    "group_ids" : [ "68906f0d2e9e061ab9424d10" ]
  }
}
```

Status Codes

Status Code	Description
200	Applications, groups, and components are successfully created in batches.

Error Codes

See **Error Codes**.

4.1.2 Components

4.1.2.1 Creating a Component

Function

This API is used to create a component after you create an application or sub-application.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:create	Write	application *	-	-	-

URI

POST /v1/components

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Request Parameters

Table 4-26 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Component name. **Constraints**: The value can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: The value is a string. It can contain 3 to 50 characters. **Default value**: N/A
application_id	Yes	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: ID of the application for the component corresponding to the group. There is a clear hierarchy between them. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-27 Response body parameters

Parameter	Type	Description
data	String	UUID allocated by CloudCMDB.

Example Requests

This API is used to create a component.

```
POST https://{Endpoint}/v1/components

{
```

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```
  "name" : "Test component",
  "application_id" : "67e3b885ef614c77c8b76f4c"
}
```

Example Responses

Status code: 200

A component is created.

```
{
  "data" : {
    "id" : "685d1e8e02a50263fb2c259c",
    "name" : "Test component",
    "code" : null,
    "domainId" : "dc2d76541f754d68a4c8d150262d92c2",
    "applicationId" : "67e3b885ef614c77c8b76f4c",
    "path" : "string",
    "createTime" : "string",
    "updateTime" : "string"
  }
}
```

Status Codes

Status Code	Description
200	A component is created.

Error Codes

See **Error Codes**.

4.1.2.2 Modifying Component Information

Function

After a component is created, change the component name as required.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:update	Write	application *	-	-	-

URI

PUT /v1/components/{id}

Table 4-28 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Component ID. **Constraints**: N/A **Value range**: The value is user-defined. The value contains 24 characters. **Default value**: N/A

Request Parameters

Table 4-29 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Component name. **Constraints**: The value can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: The value is a string. It can contain 3 to 50 characters. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-30 Response body parameters

Parameter	Type	Description
data	String	**Definition**: ID of the component to be modified. **Value range**: N/A

Example Requests

This API is used to change the component name.

```
PUT https://{Endpoint}/v1/components/{id}

{
  "name" : "This API is used to modify the test component information."
}
```

Example Responses

Status code: 200

The component is modified.

```
{
  "data" : "685d1e8e02a50263fb2c259c"
}
```

Status Codes

Status Code	Description
200	The component is modified.

Error Codes

See **Error Codes**.

4.1.2.3 Deleting a Component

Function

After a component is created, you can delete the component. When a component contains groups, it cannot be deleted. You can delete a node only when the node does not contain sub-nodes.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:delete	Write	application *	-	-	-

URI

DELETE /v1/components/{id}

Table 4-31 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Component ID. **Constraints**: N/A **Value range**: The value is user-defined. The value contains 24 characters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

The component is deleted.

None

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Example Requests

This API is used to delete a component.

```
DELETE https://{Endpoint}/v1/components/{id}
```

Example Responses

None

Status Codes

Status Code	Description
200	The component is deleted.

Error Codes

See **Error Codes**.

4.1.2.4 Querying a Component

Function

This API is used to query sub-applications or components based on different scenarios.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:list	List	application *	-	-	-

URI

GET /v1/components

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Table 4-32 Query Parameters

Parameter	Mandatory	Type	Description
application_id	No	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: ID of the application for the component. There is a clear hierarchy between them. **Default value**: N/A
marker	No	String	**Definition**: It is used for pagination query. **Constraints**: N/A **Value range**: ID of the last record in the previous query. **Default value**: N/A
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-33 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: List of component query information. **Value range**: N/A

Table 4-34 data

Parameter	Type	Description
id	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A
name	String	**Definition**: Component name. **Value range**: N/A
code	String	**Definition**: Component code. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID. **Value range**: N/A
application_id	String	**Definition**: Application ID. **Value range**: ID of the application where the component is located.
ep_id	String	**Definition**: Enterprise project ID. **Value range**: Select a project ID that is available in**Enterprise Management**.

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Example Requests

This API is used to query component information.

```
GET https://{Endpoint}/v1/components
```

Example Responses

Status code: 200

The component information is queried.

```
{
  "data" : [ {
    "id" : "string",
    "name" : "string",
    "code" : "string",
    "domain_id" : "string",
    "application_id" : "string",
    "ep_id" : "string"
  } ]
}
```

Status Codes

Status Code	Description
200	The component information is queried.

Error Codes

See **Error Codes**.

4.1.3 Groups

4.1.3.1 Creating a Group

Function

This API is used to create groups for applications, sub-applications, and components to manage resources in a unified manner.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:createGroup	Write	application *	-	-	-

URI

POST /v1/groups

Request Parameters

Table 4-35 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Application name. **Constraints**: The value can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: The value is a string. It can contain 3 to 50 characters. **Default value**: N/A
component_id	Yes	String	**Definition**: Component ID. **Constraints**: N/A **Value range**: ID of the component corresponding to the group created after the component is selected. **Default value**: N/A

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Parameter	Mandatory	Type	Description
vendor	No	String	**Definition**: Vendor information. **Constraints**: N/A **Value range**: • **RMS**: Huawei Cloud • **ALI**: Alibaba Cloud vendor • **OTHER**: other vendors **Default value**: N/A
region_id	Yes	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: ID of the region with which the application is associated. **Default value**: N/A
application_id	No	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: ID of the application for the component corresponding to the group. There is a clear hierarchy between them. **Default value**: N/A

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Parameter	Mandatory	Type	Description
sync_mode	Yes	String	**Definition**: Resource synchronization method. **Constraints**: N/A **Value range**: • **MANUAL**: indicates manual association. You can manually associate resource data with a group for management. • **AUTO**: indicates intelligent association. You can create resources with the same tag in an enterprise project in the same resource group. **Default value**: The default value is **MANUAL**.
sync_rules	No	Array of **sync_rules** objects	**Definition**: Automatic association rule. **Constraints**: N/A **Value range**: The selected enterprise project is intelligently associated with the existing and future resources of the corresponding tag. **Default value**: N/A

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Parameter	Mandatory	Type	Description
relation_configurations	No	Array of **GroupRelationConfiguration** objects	**Definition**: Group configuration information. **Constraints**: N/A **Value range**: Associated configuration information of the group, for example, configuration information of the corresponding APM. **Default value**: N/A

Table 4-36 sync_rules

Parameter	Mandatory	Type	Description
ep_id	No	String	**Definition**: Enterprise project ID. **Constraints**: N/A **Value range**: Select a project ID that is available in**Enterprise Management**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
rule_tags	No	String	**Definition**: Tag that is associated with resources. In the enterprise project, only resources that match all the configured tags will be automatically allocated to the application group. **Constraints**: N/A **Value range**: This parameter can be customized. **Default value**: N/A

Table 4-37 GroupRelationConfiguration

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Configuration type. Configure the application, component, and environment of the APM service corresponding to the group. APM service performance information can be obtained during fault diagnosis. **Constraints**: N/A **Value range**: • **APM**: probe developed by the APM service • **OTEL**: open-source probe OpenTelemetry • **SKYWALKING**: open-source probe SkyWalking **Default value**: N/A

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Parameter	Mandatory	Type	Description
parameters	No	Map<String,String>	**Definition**: Configuration parameters. **Constraints**: N/A **Value range**: APM configuration parameter **app_id->business_id->env_id**. The value contains multiple fields. The maximum length is for reference only. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-38 Response body parameters

Parameter	Type	Description
data	**data** object	**Definition**: Application management information. **Value range**: N/A

Table 4-39 data

Parameter	Type	Description
id	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A
name	String	**Definition**: Group name. **Value range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), underscores (_), and Chinese characters.

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Parameter	Type	Description
vendor	String	**Definition**: Vendor. **Value range**: • **RMS**: Huawei Cloud • **ALI**: Alibaba Cloud vendor • **OTHER**: other vendors
code	String	**Definition**: Group code. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID. **Value range**: N/A
region_id	String	**Definition**: Region ID. **Value range**: N/A
component_id	String	**Definition**: Component ID. **Value range**: N/A
application_id	String	**Definition**: Application ID. **Value range**: N/A
path	String	**Definition**: Group path. **Value range**: N/A
create_time	String	**Definition**: Creation time. The value is in the ISO 8601 format. **Value range**: N/A

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Parameter	Type	Description
update_time	String	**Definition**: Update time. The value is in the ISO 8601 format. **Value range**: N/A
sync_mode	String	**Definition**: Update time. **Value range**: • **MANUAL**: manual association • **AUTO**: intelligent association
sync_rules	Array of **sync_rules** objects	**Definition**: Automatic association rule. **Value range**: N/A
related_domain_id	String	**Definition**: ID of the domain to which the cross-account resource belongs. **Value range**: N/A
relation_configurations	Array of **GroupRelationConfiguration** objects	**Definition**: Group configuration information. **Value range**: N/A

Table 4-40 sync_rules

Parameter	Type	Description
ep_id	String	**Definition**: Enterprise project ID. **Value range**: Select a project ID that is available in**Enterprise Management**.
rule_tags	String	**Definition**: Tag that is associated with resources. **Value range**: N/A

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Table 4-41 GroupRelationConfiguration

Parameter	Type	Description
type	String	**Definition**: Configuration type. Configure the application, component, and environment of the APM service corresponding to the group. APM service performance information can be obtained during fault diagnosis. **Constraints**: N/A **Value range**: • **APM**: probe developed by the APM service • **OTEL**: open-source probe OpenTelemetry • **SKYWALKING**: open-source probe SkyWalking **Default value**: N/A
parameters	Map<String,String>	**Definition**: Configuration parameters. **Constraints**: N/A **Value range**: APM configuration parameter **app_id->business_id->env_id**. The value contains multiple fields. The maximum length is for reference only. **Default value**: N/A

Example Requests

This API is used to create a group.

```
POST https://{Endpoint}/v1/groups

{
  "name" : "test1212",
  "region_id" : "string",
  "related_domain_id" : null,
  "component_id" : "678236a93f1b240bc02b3e4f",
  "sync_mode" : "AUTO",
  "vendor" : "RMS",
  "sync_rules" : [ {
    "ep_id" : "0",
```

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```
    "rule_tags" : "string"
  } ],
  "relation_configurations" : null
}
```

Example Responses

Status code: 200

Response body for creating a group.

```
{
  "data" : {
    "id" : "685cff9aa2cf591eae464a6a",
    "name" : "test1212",
    "code" : null,
    "domainId" : "dc2d76541f754d68a4c8d150262d92c2",
    "regionId" : "string",
    "applicationId" : "6780dec23f1b240bc0295d11",
    "componentId" : "678236a93f1b240bc02b3e4f",
    "path" : "6835d67559221e2d9a6bfa1b.6895bab5e86fed4474120a77",
    "vendor" : "RMS",
    "createTime" : "2023-06-14T09:44:22.116+00:00",
    "updateTime" : "2023-06-14T09:44:22.116+00:00",
    "syncMode" : "AUTO",
    "syncRules" : null,
    "relationConfigurations" : null,
    "relatedDomainId" : null
  }
}
```

Status Codes

Status Code	Description
200	Response body for creating a group.

Error Codes

See **Error Codes**.

4.1.3.2 Modifying Group Information

Function

This API is used to modify a group. After a group is created, you can change the name of the component.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:updateGroup	Write	application *	-	-	-

URI

PUT /v1/groups/{id}

Table 4-42 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Group ID. **Constraints**: N/A **Value range**: The value is a string. It contains 24 characters. **Default value**: N/A

Request Parameters

Table 4-43 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Application name. **Constraints**: The value can contain only letters, digits, hyphens (-), and underscores (_). **Value range**: The value is a string. It can contain 3 to 50 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
sync_mode	Yes	String	**Definition**: Resource synchronization method. **Constraints**: N/A **Value range**: • **MANUAL**: indicates manual association. You can manually associate resource data with a group for management. • **AUTO**: indicates intelligent association. You can create resources with the same tag in an enterprise project in the same resource group. **Default value**: The default value is **MANUAL**.
sync_rules	No	Array of **sync_rules** objects	**Definition**: Automatic association rule. **Constraints**: N/A **Value range**: The selected enterprise project is intelligently associated with the existing and future resources of the corresponding tag. **Default value**: N/A
relation_configurations	No	Array of **GroupRelationConfiguration** objects	Group configuration information.

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Table 4-44 sync_rules

Parameter	Mandatory	Type	Description
ep_id	No	String	**Definition**: Enterprise project ID. **Constraints**: N/A **Value range**: Select a project ID that is available in**Enterprise Management**. **Default value**: N/A
rule_tags	No	String	**Definition**: Tag that is associated with resources. In the enterprise project, only resources that match all the configured tags will be automatically allocated to the application group. **Constraints**: N/A **Value range**: This parameter can be customized. **Default value**: N/A

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Table 4-45 GroupRelationConfiguration

Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Configuration type. Configure the application, component, and environment of the APM service corresponding to the group. APM service performance information can be obtained during fault diagnosis. **Constraints**: N/A **Value range**: • **APM**: probe developed by the APM service • **OTEL**: open-source probe OpenTelemetry • **SKYWALKING**: open-source probe SkyWalking **Default value**: N/A
parameters	No	Map<String,String>	**Definition**: Configuration parameters. **Constraints**: N/A **Value range**: APM configuration parameter **app_id->business_id->env_id**. The value contains multiple fields. The maximum length is for reference only. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-46 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Group configuration information. **Value range**: N/A

Example Requests

This API is used to modify a group.

```
PUT https://{Endpoint}/v1/groups/{id}

{
  "name" : "Test group.",
  "sync_mode" : "MANUAL",
  "sync_rules" : null,
  "relation_configurations" : null
}
```

Example Responses

Status code: 200

The group is modified.

```
{
  "data" : "685d116902a50263fb2c209e"
}
```

Status Codes

Status Code	Description
200	The group is modified.

Error Codes

See **Error Codes**.

4.1.3.3 Querying a Group

Function

This API is used to query groups, and query groups under applications, sub-applications, and components to manage resources in a unified manner. If there is no component under the application, no component information is displayed.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:listGroups	List	application *	-	-	-

URI

GET /v1/groups

Table 4-47 Query Parameters

Parameter	Mandatory	Type	Description
id_list	No	Array of strings	**Definition**: Group ID list consisting of group IDs. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
component_id	No	String	**Definition**: Component ID. **Constraints**: N/A **Value range**: ID of the component selected during group creation. The value contains 24 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
application_id	No	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: ID of the application for the component corresponding to the group. There is a clear hierarchy between them. **Default value**: N/A
name_like	No	String	**Definition**: Group name. Fuzzy match is supported. **Constraints**: N/A **Value range**: The value is a string. It contains 1 to 50 characters. **Default value**: N/A
code	No	String	**Definition**: Group code. **Constraints**: N/A **Value range**: The value is a string. It contains 3 to 50 characters. **Default value**: N/A
marker	No	String	**Definition**: It is used for pagination query. **Constraints**: N/A **Value range**: ID of the last record in the previous query. **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-48 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Group ID. **Value range**: N/A

Table 4-49 data

Parameter	Type	Description
id	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A

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Parameter	Type	Description
name	String	**Definition**: Group name. **Value range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), underscores (_), and Chinese characters.
vendor	String	**Definition**: Vendor. **Value range**: • **RMS**: Huawei Cloud • **ALI**: Alibaba Cloud vendor • **OTHER**: other vendors
code	String	**Definition**: Group code. **Value range**: N/A
domain_id	String	**Definition**: Tenant ID. **Value range**: N/A
region_id	String	**Definition**: Region ID. **Value range**: N/A
component_id	String	**Definition**: Component ID. **Value range**: N/A
application_id	String	**Definition**: Application ID. **Value range**: N/A

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Parameter	Type	Description
ep_id	String	**Definition**: Enterprise project ID. **Value range**: Select a project ID that is available in**Enterprise Management**.
sync_mode	String	**Definition**: Resource synchronization method. **Value range**: • **MANUAL**: manual association • **AUTO**: intelligent association
rule_tags	String	**Definition**: Tag that is associated with resources. **Value range**: N/A
relation_configurations	Array of **GroupRelationConfiguration** objects	**Definition**: Group configuration information. **Value range**: N/A

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Table 4-50 GroupRelationConfiguration

Parameter	Type	Description
type	String	**Definition**: Configuration type. Configure the application, component, and environment of the APM service corresponding to the group. APM service performance information can be obtained during fault diagnosis. **Constraints**: N/A **Value range**: • **APM**: probe developed by the APM service • **OTEL**: open-source probe OpenTelemetry • **SKYWALKING**: open-source probe SkyWalking **Default value**: N/A
parameters	Map<String,String>	**Definition**: Configuration parameters. **Constraints**: N/A **Value range**: APM configuration parameter **app_id->business_id->env_id**. The value contains multiple fields. The maximum length is for reference only. **Default value**: N/A

Example Requests

This API is used to query the component information of an application or sub-application.

```
GET https://{Endpoint}/v1/groups
```

Example Responses

Status code: 200

The group information is queried.

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```
{
  "data" : [ {
    "id" : "64898bf60224b9730ccb577f",
    "name" : "testgroup",
    "vendor" : "RMS",
    "code" : "testgroup",
    "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "region_id" : "string",
    "component_id" : "64898bf60224b9730ccb577f",
    "application_id" : "64898bf60224b9730ccb577f",
    "ep_id" : "0",
    "sync_mode" : "MANUAL",
    "rule_tags" : null,
    "relation_configurations" : [ { } ]
  } ]
}
```


Status Codes

Status Code	Description
200	The group information is queried.

Error Codes

See **Error Codes**.

4.1.3.4 Delete Group

Function

After a group is created, you can delete it if it is no longer needed.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:deleteGroup	Write	application *	-	-	-

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URI

DELETE /v1/groups/{id}

Table 4-51 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Group ID. **Constraints**: N/A **Value range**: The value is a string. It contains 24 characters. **Default value**: N/A

Table 4-52 Query Parameters

Parameter	Mandatory	Type	Description
force_delete	No	Boolean	**Definition**: Whether to forcibly delete static information about microservices. **Constraints**: N/A **Value range**: • **true**: The group is forcibly deleted. The system directly clears the resources associated with the group and deletes the group. • **false**: Only resource groups that are not associated with any resource group can be deleted. **Default value**: N/A

Request Parameters

None

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Response Parameters

Status code: 200

The group is deleted.

None

Example Requests

The group is deleted.

```
DELETE https://{Endpoint}/v1/groups/{id}?force_delete=true
```

Example Responses

None

Status Codes

Status Code	Description
200	The group is deleted.

Error Codes

See **Error Codes**.

4.1.3.5 Intelligently Synchronizing Resource by group

Function

Group (intelligently associated with resources) used for intelligently synchronizing resources.

You can associate resource instances with the same tag in an enterprise project with the same resource group for management.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:syncGroupResource	Write	application *	-	-	-

URI

POST /v1/groups/{id}/sync

Table 4-53 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Group ID. **Constraints**: N/A **Value range**: The value is a string. It contains 24 characters. **Default value**: N/A

Request Parameters

Table 4-54 Request body parameters

Parameter	Mandatory	Type	Description
provider	No	String	**Definition**: Resource provider. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

Response Parameters

Status code: 200

Table 4-55 Response body parameters

Parameter	Type	Description
data	Long	**Definition**: Synchronize Resources **Value range**: The value ranges from 0 to 65,535.

Example Requests

After resources are intelligently associated, wait for the association task to be executed. The association time depends on the total amount of resource data to be associated.

```
POST https://{Endpoint}/v1/groups/{id}/sync
```

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Example Responses

Status code: 200

Resources are synchronized.

```
{
  "data" : "a4c0618e-0b94-4c56-8e14-35b122377340"
}
```

Status Codes

Status Code	Description
200	Resources are synchronized.

Error Codes

See **Error Codes**.

4.1.4 Associated Resources

4.1.4.1 Querying Resources Associated with a Group

Function

This API is used to query the resource information related to a group after a group is associated with resources.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:listResources	List	application *	-	-	-
		-	coc:ApplicationGroupCode		

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URI

GET /v1/group-resource-relations

Table 4-56 Query Parameters

Parameter	Mandatory	Type	Description
application_id	No	String	**Definition**: ID of the application associated with the group. **Constraints**: The application ID, group ID, and component ID cannot coexist. At least one of them must be specified. **Value range**: N/A **Default value**: N/A
component_id	No	String	**Definition**: ID of the component associated with the group. **Constraints**: The application ID, group ID, and component ID cannot coexist. At least one of them must be specified. **Value range**: N/A **Default value**: N/A
group_id	No	String	**Definition**: Group ID. **Constraints**: The application ID, group ID, and component ID cannot coexist. At least one of them must be specified. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
provider	Yes	String	**Definition**: Cloud service name. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A
vendor	Yes	String	**Definition**: Vendor information. **Constraints**: N/A **Value range**: **AWS**: Amazon Web Services (AWS) • **AZURE**: Microsoft Azure • **ALI**: Alibaba Cloud • **RMS**: Huawei Cloud • **CROSS_ACCOUNT**: cross-account resources • **OTHER**: other vendors, for example, IDC offline resources **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: Resource type. Select a resource type based on the actual service requirements. Common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
offset	No	String	**Definition**: Offset for pagination query, indicating that the query starts from this offset. **Constraints**: N/A **Value range**: **0** to **2147483647** **Default value**: 0

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Parameter	Mandatory	Type	Description
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
resource_id_list	No	Array of strings	**Definition**: Resource ID list. **Constraints**: N/A **Value range**: Resource ID list. The maximum value is **100**. **Default value**: N/A
name	No	String	**Definition**: Cloud resource name. **Constraints**: N/A **Value range**: It is user-defined. For details, see Bare Metal Server (BMS). **Default value**: N/A
region_id	No	String	**Definition**: Region ID list. **Constraints**: N/A **Value range**: Region ID list. The maximum value is **100**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
az_id	No	String	**Definition**: AZ ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
ip_type	No	String	**Definition**: The property is in the IP address format. **Constraints**: N/A **Value range**: **fixed**: internal IP address **floating**: elastic public IP address **Default value**: N/A
ip	No	String	**Definition**: Cloud resource IP address. **Constraints**: N/A **Value range**: Filtering results for IPv4 addresses, which are fuzzy matched. **Default value**: N/A
status	No	String	**Definition**: Cloud resource status. **Constraints**: N/A **Value range**: Select an ECS status that is available in**ECS**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
agent_state	No	String	**Definition**: Agent status. **Constraints**: N/A **Value range**: • **ONLINE**: The UniAgent is running. • **OFFLINE**: The UniAgent is abnormal. • **INSTALLING**: The UniAgent is being installed. • **FAILED**: The UniAgent fails to be installed. • **UNINSTALLED**: The UniAgent is uninstalled. • **null**: The UniAgent is not installed. **Default value**: N/A
image_name	No	String	**Definition**: Image name, which is used for fuzzy match. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
os_type	No	String	**Definition**: System type. **Constraints**: N/A **Value range**: • **window**: Windows OS • **linux**: Linux OS **Default value**: N/A

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Parameter	Mandatory	Type	Description
tag	No	String	**Definition**: Cloud resource tag. **Constraints**: A tag is in the format of "key.value". The maximum lengths of the key and value are 36 and 43 characters, respectively. **Value range**: The key of the tag can contain only letters, digits, underscores (_) *and hyphens (-). The value of the tag can contain only letters, digits, underscores* (_), hyphens (-), and periods (.). **Default value**: N/A
charging_mode	No	String	**Definition**: Cloud server billing mode. **Constraints**: N/A **Value range**: Billing mode. • **0**: pay-per-use • **1**: yearly/monthly • **2**: spot price **Default value**: N/A
flavor_name	No	String	**Definition**: Flavor name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
ip_list	No	Array of strings	**Definition**: IP address list. **Constraints**: N/A **Value range**: List. The maximum value is **100**. **Default value**: N/A
is_collected	No	Boolean	**Definition**: Whether to add it to favorites. **Constraints**: N/A **Value range**: • **true**: Query the resource associations managed in the group that is added to favorites. • **false**: Query the resource associations managed in the group that is not added to favorites. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

The resources associated with the group are queried.

None

Example Requests

This API is used to query resources associated with a group.

```
GET https://{endpoint}/v1/group-resource-relations?
provider=cce&type=clusters&limit=10&offset=0&application_id=660557b2dc48844adc49eaa5&is_collected=false&vendor=RMS
```

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Example Responses

Status code: 200

The resources associated with the group are queried.


```
{
  "data" : [ {
    "id" : "687740684dbc6000ac47f0af",
    "cmdb_resource_id" : "687733804dbc6000ac3eaf51",
    "group_id" : "66055804dc48844adc49eaae",
    "group_name" : "RMSaUTODDD",
    "resource_id" : "38fbefc2-5c76-11f0-8a3e-0255ac100b06",
    "name" : "cdr-test",
    "provider" : "cce",
    "type" : "clusters",
    "region_id" : "string",
    "ep_id" : "0",
    "ep_name" : null,
    "project_id" : "23a154c6e0be4cd282538462825fca67",
    "domain_id" : "adabd970539e4ebb8141ca2cf3b571f1",
    "tags" : null,
    "agent_id" : null,
    "agent_state" : null,
    "inner_ip" : null,
    "properties" : {
      "clusterEOSVersion" : "false",
      "clusterType" : "VirtualMachine",
      "clusterSubnetId" : "22b498de-32fa-46e8-abf4-2be88693f114",
      "clusterEIP" : "",
      "clusterChargeMode" : "0",
      "clusterVpcId" : "b6e5c685-d16a-4534-a023-bd67049f5cdd",
      "clusterFlavor" : "cce.s2.small",
      "clusterSecGroup" : "99000d1a-2f08-419a-a1d7-c02eb6c3b945",
      "clusterOldestVersion" : "false",
      "clusterVersion" : "v1.30.10-r10",
      "clusterStatus" : "Available"
    },
    "ingest_properties" : null,
    "operable" : null,
    "create_time" : "2025-07-09T03:38:48.000+00:00"
  } ]
}
```


Status Codes

Status Code	Description
200	The resources associated with the group are queried.

Error Codes

See **Error Codes**.

4.1.4.2 Transferring Resources

Function

This API is used to move the resources from a group to another group for management.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:updateResources	Write	application *	-	-	-

URI

PUT /v1/group-resource-relations

Request Parameters

Table 4-57 Request body parameters

Parameter	Mandatory	Type	Description
id_list	Yes	Array of strings	**Definition**: List of UUIDs associated with resources. **Constraints**: N/A **Value range**: The list contains 0 to 100 items. **Default value**: N/A

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Parameter	Mandatory	Type	Description
group_id	Yes	String	**Definition**: ID of the group to which the resource to be transferred belongs. **Constraints**: N/A **Value range**: The value is a string. It contains 24 characters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-58 Response body parameters

Parameter	Type	Description
data	String	**Definition**: ID of the group resource allocated by CloudCMDB. **Value range**: N/A

Example Requests

This API is used to transfer resources.

```
PUT https://{endpoint}/v1/group-resource-relations

{
  "id_list" : [ "687df406705dd42025d32667" ],
  "group_id" : "6811e1855a774958c43bab99"
}
```

Example Responses

Status code: 200

Resources are transferred.

```
{
  "data" : [ "687df406705dd42025d32667" ]
}
```

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Status Codes

Status Code	Description
200	Resources are transferred.

Error Codes

See **Error Codes**.

4.1.4.3 Creating a Group Resource Association Relationship

Function

This API is used to bind resources to an environment created for the corresponding group. Then, you can monitor the resource usage in real time through application monitoring.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:addResources	Write	application *	-	-	-

URI

POST /v1/group-resource-relations

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Request Parameters

Table 4-59 Request body parameters

Parameter	Mandatory	Type	Description
group_id	Yes	String	**Definition**: UUID of the group allocated by CloudCMDB. **Value range**: N/A
cmdb_resource_id_list	Yes	Array of strings	**Definition**: UUID list of the RMS resource allocated by CloudCMDB. **Value range**: N/A

Response Parameters

Status code: 200

Table 4-60 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A

Example Requests

This API is used to create a group resource association relationship.

```
POST https://{endpoint}/v1/group-resource-relations

{
  "group_id" : "6811e1855a774958c43bab99",
  "cmdb_resource_id_list" : [ "686f4abb38514867b8853970" ]
}
```

Example Responses

Status code: 200

The group resource association is created.

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```
{
  "data" : [ "687e0526705dd42025d328d8" ]
}
```

Status Codes

Status Code	Description
200	The group resource association is created.

Error Codes

See **Error Codes**.

4.1.4.4 Disassociating Resources from a Group

Function

This API is used to disassociate the resources from a group.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:removeResources	Write	application *	-	-	-

URI

DELETE /v1/group-resource-relations

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Table 4-61 Query Parameters

Parameter	Mandatory	Type	Description
id_list	Yes	Array of strings	**Definition**: Group ID list. **Constraints**: N/A **Value range**: List of IDs of the groups to which the selected resources belong. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

```
{}
```

Example Requests

This API is used to disassociate resources from a group.

```
DELETE https://{endpoint}/v1/group-resource-relations?id_list=687df406705dd42025d32669
```

Example Responses

Status code: 200

The disassociation is performed successfully.

```
{}
```

Status Codes

Status Code	Description
200	The disassociation is performed successfully.

Error Codes

See **Error Codes**.

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4.1.4.5 Querying the Total Number of Resources Associated with a Group

Function

This API is used to query the total number of resources associated with a group when resources are managed in different groups. The application ID and group ID cannot coexist, and either of them must be specified.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:countResourceRelations	List	application *	-	-	-

URI

GET /v1/group-resource-relations/count

Table 4-62 Query Parameters

Parameter	Mandatory	Type	Description
application_id	No	String	**Definition**: Application ID. **Constraints**: The application ID and group ID cannot coexist. At least one of them must be specified. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
group_id	No	String	**Definition**: Group ID. **Constraints**: The group ID and application ID cannot coexist. At least one of them must be specified. **Value range**: N/A **Default value**: N/A
provider	Yes	String	**Definition**: Cloud service name. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A
type	Yes	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

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Parameter	Mandatory	Type	Description
vendor	Yes	String	**Definition**: Vendor information. **Constraints**: N/A **Value range**: • **RMS**: Huawei Cloud • **ALI**: Alibaba Cloud vendor • **OTHER**: other vendors **Default value**: N/A
resource_id_list	No	Array of strings	**Definition**: Resource ID list. **Constraints**: N/A **Value range**: A collection of resource IDs selected by users. **Default value**: N/A
name	No	String	**Definition**: Cloud resource name. **Constraints**: N/A **Value range**: It is user-defined. For details, see Bare Metal Server (BMS). **Default value**: N/A
region_id	No	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: ID of the region with which the region is associated. **Default value**: N/A

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Parameter	Mandatory	Type	Description
az_id	No	String	**Definition**: AZ ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
ip_type	No	String	**Definition**: The property is in the IP address format. **Constraints**: N/A **Value range**: **fixed**: internal IP address **floating**: elastic public IP address **Default value**: N/A
ip	No	String	**Definition**: Cloud resource IP address. **Constraints**: N/A **Value range**: Filtering results for IPv4 addresses, which are fuzzy matched. **Default value**: N/A
status	No	String	**Definition**: Cloud resource status. **Constraints**: N/A **Value range**: Select an ECS status that is available in**ECS**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
agent_state	No	String	**Definition**: Agent status. **Constraints**: N/A **Value range**: • **ONLINE**: The UniAgent is running. • **OFFLINE**: The UniAgent is abnormal. • **INSTALLING**: The UniAgent is being installed. • **FAILED**: The UniAgent fails to be installed. • **UNINSTALLED**: The UniAgent is uninstalled. • **null**: The UniAgent is not installed. **Default value**: N/A
image_name	No	String	**Definition**: Image name, which is used for fuzzy match. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
os_type	No	String	**Definition**: System type. **Constraints**: N/A **Value range**: • **window**: Windows OS • **linux**: Linux OS **Default value**: N/A

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Parameter	Mandatory	Type	Description
tag	No	String	**Definition**: Cloud resource tag. **Constraints**: A tag is in the format of "key.value". The maximum lengths of the key and value are 36 and 43 characters, respectively. **Value range**: The key of the tag can contain only letters, digits, underscores (_) , and hyphens (-). The value of the tag can contain only letters, digits, underscores (_) , hyphens (-), and periods (.). **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-63 Response body parameters

Parameter	Type	Description
data	Long	**Definition**: Number of cloud resources. **Value range**: N/A

Example Requests

This API is used to query the total number of resources associated with a group.

```
GET https://{Endpoint}/v1/group-resource-relations/count?
provider=cce&type=clusters&application_id=673c04d5f77f2c62d81a3b58&is_collected=true&vendor=RMS
```

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Example Responses

Status code: 200

The total number of resources associated with the group is queried.

```
{
  "data" : 14
}
```

Status Codes

Status Code	Description
200	The total number of resources associated with the group is queried.

Error Codes

See **Error Codes**.

4.1.4.6 Querying the Capacity Data of an Application

Function

Cloud Operations Center (COC) allows you to view the capacity details of resources associated with applications, sub-applications, components, or groups, and displays core resource data by resource type.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:getCapacity	List	application *	-	-	-

URI

POST /v1/capacity

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Request Parameters

Table 4-64 Request body parameters

Parameter	Mandatory	Type	Description
group_id	No	String	**Definition**: Select the ID of the current group. **Constraints**: Application, component, and group ID. An ID is unique. **Value Range**: The value is a string with 24 characters. **Default value**: N/A
component_id	No	String	**Definition**: Select the ID of the current component. **Constraints**: Application, component, and group ID. An ID is unique. **Value Range**: The value is a string with 24 characters. **Default value**: N/A
application_id	No	String	**Definition**: ID of the current application. **Constraints**: Application, component, and group ID. The ID is unique. **Value Range**: The value is a string with 24 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
domain_id	No	String	**Definition**: Account ID of the tenant to which a user logs in, that is, the tenant ID. **Constraints**: N/A **Value Range**: N/A **Default value**: No/A
provider_obj	Yes	Array of **provider_obj** objects	**Definition**: Resource object **Constraints**: N/A **Value Range**: The value is a string. Service resources such as ECSs, CCE instances, and RDS DB instances are available. **Default value**: N/A

Table 4-65 provider_obj

Parameter	Mandatory	Type	Description
provider	No	String	**Definition**: Cloud service name **Constraints**: N/A **Value Range**: The value is a string with 1 to 64 characters. You can select service resources such as ECSs, CCE instances, and RDS DB instances. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value Range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal servers • **clusters**: Cloud Container Engine (CCE) instances • **instances**: Cloud database instances **Default value**: N/A

Response Parameters

Status code: 200

Table 4-66 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Capacity data list. **Value Range**: List of cloud service capacity data of the selected application. The value ranges from 0 to 500.

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Table 4-67 data

Parameter	Type	Description
sum_size	String	**Definition**: Total disk size. **Value Range**: Total memory of the cloud service.
sum_cpu	String	**Definition**: Total number of allocated CPUs. **Value Range**: N/A
sum_mem	String	**Definition**: Total allocated memory. **Value Range**: N/A
provider	String	**Definition**: Type of a cloud service. **Value Range**: The value is a character string. Service resources such as ECSs, CCE instances, and RDS DB instances are available.
type	String	**Definition**: Resource type. **Value Range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal servers (BMSs) • **clusters**: Cloud Container Engine (CCE) instances -**instances**: cloud database instances

Example Requests

Query the capacity data of an application.

```
POST https://{Endpoint}/v1/capacity

{
  "application_id" : "660557b2dc48844adc49eaa5",
  "provider_obj" : [ {
```

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```
    "provider" : "ecs",
    "type" : "cloudservers"
  }, {
    "provider" : "bms",
    "type" : "servers"
  }, {
    "provider" : "evs",
    "type" : "volumes"
  }, {
    "provider" : "rds",
    "type" : "instances"
  }, {
    "provider" : "dcs",
    "type" : "redis"
  }, {
    "provider" : "dds",
    "type" : "instances"
  }, {
    "provider" : "cci",
    "type" : "pods"
  } ]
}
```

Example Responses

Status code: 200

The application capacity information is queried.

```
{
  "data" : [ {
    "sum_mem" : "39936",
    "sum_cpu" : "17",
    "provider" : "ecs",
    "type" : "cloudservers"
  }, {
    "sum_mem" : "0",
    "sum_cpu" : "0",
    "provider" : "bms",
    "type" : "servers"
  }, {
    "sum_size" : "1670",
    "provider" : "evs",
    "type" : "volumes"
  }, {
    "sum_mem" : "32",
    "sum_cpu" : "16",
    "sum_size" : "370",
    "provider" : "rds",
    "type" : "instances"
  } ]
}
```

Status Codes

Status Code	Description
200	The application capacity information is queried.

Error Codes

See **Error Codes**.

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4.1.4.7 Querying the Capacity Data Ranking of Application, Component, and Group

Function

This API is used to query the ranking of application, component, and group capacity data. Only one of the following is set: application, component, and group ID.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:application:getSortedCapacity	List	application *	-	-	-

URI

GET /v1/capacity/order

Table 4-68 Query Parameters

Parameter	Mandatory	Type	Description
application_id	No	String	**Definition**: Application ID. **Constraints**: N/A **Value range**: ID of the application whose capacity data ranking needs to be queried. **Default value**: N/A

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Parameter	Mandatory	Type	Description
component_id	No	String	**Definition**: Component ID. **Constraints**: N/A **Value range**: ID of the component whose capacity data ranking needs to be queried. **Default value**: N/A
group_id	No	String	**Definition**: Group ID. **Constraints**: N/A **Value range**: ID of the group whose capacity data ranking is to be queried. **Default value**: N/A
provider	Yes	String	**Definition**: Cloud service name. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-69 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Capacity ranking data. **Value Range**: Ranking of application, component, or group capacity data.

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Table 4-70 data

Parameter	Type	Description
type	String	**Definition**: Capacity type. **Value Range**: The capacity type is displayed based on the cloud service capacity data. • **cpu**: number of CPU cores • **mem**: memory • **size**: cloud disk size
rank_list	**rank_list** object	**Definition**: List of top 5 objects. **Value Range**: A list consisting of capacity information about top 5 applications, components, or groups by capacity type.

Table 4-71 rank_list

Parameter	Type	Description
id	String	**Definition**: Application, component, or group ID. **Value Range**: IDs of top five applications, components, or groups by capacity.
name	String	**Definition**: Name of an application, component, or group. **Value Range**: Names of top five applications, components, or groups by capacity.
value	String	**Definition**: Capacity of an application, component, or group. **Value Range**: Capacity values of top five applications, components, or groups by capacity type.

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Example Requests

This API is used to query the capacity data ranking of application, component, and group.

```
GET https://{Endpoint}/v1/capacity/order?
component_id=673c04d5f77f2c62d81a3b59&type=cloudservers&provider=ecs
```

Example Responses

Status code: 200

The capacity ranking is queried.


```
{
  "data" : [ {
    "type" : "cpu",
    "rank_list" : [ {
      "id" : "67dccc6bcc8db1018650ce26",
      "name" : "Test_cmdb_Intelligent correlation",
      "value" : "1187.0"
    }, {
      "id" : "6784d2cf796f946ff344708a",
      "name" : "vvvvvvvvvv",
      "value" : "1075.0"
    }, {
      "id" : "6788bdadbc066c540614692a",
      "name" : "dddddddd",
      "value" : "525.0"
    }, {
      "id" : "67dccc20cc8db10186500689",
      "name" : "cadacca",
      "value" : "4.0"
    }, {
      "id" : "687204a28e3d61245b9d54fb",
      "name" : "group071201",
      "value" : "1.0"
    } ]
  }, {
    "type" : "mem",
    "rank_list" : [ {
      "id" : "67dccc6bcc8db1018650ce26",
      "name" : "Test_cmdb_Intelligent correlation",
      "value" : "2914304.0"
    }, {
      "id" : "6784d2cf796f946ff344708a",
      "name" : "vvvvvvvvvv",
      "value" : "2335744.0"
    }, {
      "id" : "6788bdadbc066c540614692a",
      "name" : "dddddddd",
      "value" : "1069056.0"
    }, {
      "id" : "67dccc20cc8db10186500689",
      "name" : "cadacca",
      "value" : "16384.0"
    }, {
      "id" : "687204a28e3d61245b9d54fb",
      "name" : "group071201",
      "value" : "1024.0"
    } ]
  } ]
}
```


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Status Codes

Status Code	Description
200	The capacity ranking is queried.

Error Codes

See **Error Codes**.

4.1.5 Cloud Vendor Account

4.1.5.1 Querying a Cloud Vendor Account

Function

This API is used to query the account information of all cloud vendors (such as Alibaba Cloud, AWS, Azure, and Huawei Cloud Stack).

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:vendorAccount:list	List	-	-	-	-

URI

GET /v1/vendor-account

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Table 4-72 Query Parameters

Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
offset	No	String	**Definition**: Offset for pagination query, indicating that the query starts from this offset. **Constraints**: N/A **Value range**: **0** to **2147483647** **Default value**: 0
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
vendor	No	String	**Definition**: Indicates the provider. **Constraints**: N/A **Value range**: • **RMS**: Huawei Cloud • **AZURE**: Microsoft Azure • **ALI**: Alibaba Cloud • **VMWARE**: VMware • **OPENSTACK**: OpenStack cloud platform • **HCS**: Huawei hybrid cloud solution Huawei Cloud Stack • **OTHER**: other cloud vendors **AWS**: Amazon Web Services (AWS) **Default value**: N/A
account_id	No	String	**Definition**: Account ID of a supplier. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A
account_name	No	String	**Definition**: Account name **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-73 Response header parameters

Parameter	Type	Description
X-request-id	String	**Definition**: Request ID used for task tracing. **Value range**: request_uuid-timestamp-host name.

Table 4-74 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Cloud vendor account list. **Value Range**: N/A

Table 4-75 data

Parameter	Type	Description
id	String	**Definition**: Cloud vendor account ID allocated by CloudCMDB **Value Range**: N/A

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Parameter	Type	Description
vendor	String	**Definition**: Cloud vendor information. **Value Range**: • **RMS**: Huawei Cloud • **AWS**: Amazon • **Azure**: Microsoft • **ALI**: Alibaba Cloud • **VMWARE**: VMware • **OPENSTACK**: OpenStack cloud platform • **HCS**: Huawei Cloud Stack is a Huawei hybrid cloud solution. • **OTHER**: other cloud vendors
account_id	String	**Definition**: Account ID of a supplier. **Value Range**: The value is a string with 0 to 64 characters.
domain_id	String	**Definition**: Tenant ID. **Value Range**: N/A
account_name	String	**Definition**: Account name. **Value Range**: The value is a string with 0 to 64 characters.
ak	String	**Definition**: Account AK. **Value Range**: The value is a string with 0 to 64 characters.

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Parameter	Type	Description
sync_status	String	**Definition**: Task status. **Value Range**: • **waiting**: to be started. • **running**: The synchronization is in progress. • **success**: The synchronization is successful. • **failed**: The synchronization fails.
failure_msg	String	**Definition**: Error message **Value Range**: N/A
sync_date	String	**Definition**: Synchronization time. **Value Range**: N/A
create_time	String	**Definition**: Creation time. **Value Range**: N/A
update_time	String	**Definition**: Update time. **Value Range**: N/A

Status code: 400

Table 4-76 Response header parameters

Parameter	Type	Description
X-request-id	String	**Definition**: Request ID used for task tracing. **Value range**: request_uuid-timestamp-host name.

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Table 4-77 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

This API is used to query all cloud vendor accounts.

```
GET https://{endpoint}/v1/vendor-account?limit=10&offset=0
```

Example Responses

Status code: 200

The cloud vendor account information is queried.

```
{
  "data" : [ {
    "id" : "688b32521c083f512c338cf2",
    "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "vendor" : "HCS",
    "account_id" : "ssstest21321",
    "account_name" : "ssssss",
    "ak" : "sss",
    "sync_status" : null,
    "failure_msg" : null,
    "sync_date" : null,
    "create_time" : "7/31/25, 5:07 PM",
    "update_time" : "7/31/25, 5:07 PM"
  }, {
    "id" : "6881e4d870bbfa13eb9fb988",
    "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "vendor" : "HCS",
    "account_id" : "52.154.20.10",
    "account_name" : "dhsdhsdhsd",
    "ak" : "test_api_1",
    "sync_status" : "failed",
    "failure_msg" : "network is disconnected or the user or password is incorrect.",
    "sync_date" : "7/31/25, 4:44 PM",
    "create_time" : "7/24/25, 3:46 PM",
    "update_time" : "7/24/25, 3:46 PM"
  } ],
  "total" : 2
}
```

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Status Codes

Status Code	Description
200	The cloud vendor account information is queried.
400	The cloud vendor account information fails to be queried.

Error Codes

See **Error Codes**.

4.1.5.2 Creating a Cloud Vendor Account

Function

This API is used to create a cloud vendor (such as Alibaba Cloud, AWS, Azure, and Huawei Cloud Stack) account.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:vendorAccount:create	Write	-	-	-	-

URI

POST /v1/vendor-account

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Request Parameters

Table 4-78 Request body parameters

Parameter	Mandatory	Type	Description
vendor	Yes	String	**Definition**: Cloud vendor information. **Constraints**: N/A **Value range**: • **RMS**: Huawei Cloud • **AZURE**: Microsoft Azure • **ALI**: Alibaba Cloud • **VMWARE**: VMware • **OPENSTACK**: OpenStack cloud platform • **HCS**: Huawei hybrid cloud solution Huawei Cloud Stack • **OTHER**: other cloud vendors **AWS**: Amazon Web Services (AWS) **Default value**: N/A
account_id	Yes	String	**Definition**: Account ID of a supplier. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
account_name	Yes	String	**Definition**: Account name **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A
ak	Yes	String	**Definition**: AK. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A
sk	Yes	String	**Definition**: SK. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-79 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A

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Example Requests

This API is used to add a cloud vendor account.

```
POST https://{endpoint}/v1/vendor-account

{
  "vendor" : "HCS",
  "account_name" : "ssssss",
  "account_id" : "ssstest21321",
  "ak" : "sss",
  "sk" : "ssssssss"
}
```

Example Responses

Status code: 200

The cloud vendor account is created.

```
{
  "data" : "688b32521c083f512c338cf2"
}
```

Status Codes

Status Code	Description
200	The cloud vendor account is created.

Error Codes

See **Error Codes**.

4.1.5.3 Modifying a Cloud Vendor Account

Function

This API is used to modify the account information of all cloud vendors (such as Alibaba Cloud, AWS, Azure, and Huawei Cloud Stack).

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:vendorAccount:update	Write	-	-	-	-

URI

PUT /v1/vendor-account/{id}

Table 4-80 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Unique ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-81 Request body parameters

Parameter	Mandatory	Type	Description
account_name	No	String	**Definition**: Account name **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
ak	No	String	**Definition**: AK. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A
sk	No	String	**Definition**: SK. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-82 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A

Example Requests

This API is used to modify a cloud vendor account.

```
PUT https://{Endpoint}/v1/vendor-account/{id}

{
  "account_name" : "ssssstest66666",
  "ak" : "sss"
}
```

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Example Responses

Status code: 200

The cloud vendor account is modified.

```
{
  "data" : "688b32521c083f512c338cf2"
}
```

Status Codes

Status Code	Description
200	The cloud vendor account is modified.

Error Codes

See **Error Codes**.

4.1.5.4 Deleting a Cloud Vendor Account

Function

This API is used to add a cloud vendor account. If the account is not required, you can delete it.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:vendorAccount:delete	Write	-	-	-	-

URI

DELETE /v1/vendor-account/{id}

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Table 4-83 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: Unique ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-84 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID allocated by COC-CMDB. **Value range**: N/A

Example Requests

This API is used to delete a cloud vendor account.

```
DELETE https://{Endpoint}/v1/vendor-account/{id}
```

Example Responses

Status code: 200

The cloud vendor account is deleted.

```
{}
```

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Status Codes

Status Code	Description
200	The cloud vendor account is deleted.

Error Codes

See **Error Codes**.

4.1.5.5 Querying the Total Number of Resources of a User in a Cloud Vendor

Function

This API is used to query the total number of resources of a user in cloud vendors (like Alibaba Cloud, AWS, Azure, and Huawei Cloud Stack).

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:countResources	List	-	-	-	-

URI

GET /v1/multicloud-resources/count

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Table 4-85 Query Parameters

Parameter	Mandatory	Type	Description
vendor	Yes	String	**Definition**: Cloud vendor type. **Constraints**: N/A **Value range**: **AWS**: Amazon Web Services (AWS) • **AZURE**: Microsoft Azure • **ALI**: Alibaba Cloud • **HCS**: Huawei hybrid cloud solution Huawei Cloud Stack **Default value**: N/A
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

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Parameter	Mandatory	Type	Description
resource_id_list	No	Array of strings	**Definition**: List of resource IDs selected by the user. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name_list	No	Array of strings	**Definition**: Resource name. **Constraints**: N/A **Value range**: List. For details, see BMS. **Default value**: N/A
region_id_list	No	Array of strings	**Definition**: List of IDs of associated regions. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-86 Response body parameters

Parameter	Type	Description
data	Long	**Definition**: Number of cloud resources. **Value range**: The value ranges from 0 to 65,535.

Status code: 400

Table 4-87 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

This API is used to query the total number of resources of a user in a cloud vendor.

```
GET https://{Endpoint}/v1/multicloud-resources/count?vendor=ALI&type=ACS::ECS::Instance
```

Example Responses

Status code: 200

The total number of resources of the user in the cloud vendor is queried.

```
{
  "data" : 2
}
```

Status Codes

Status Code	Description
200	The total number of resources of the user in the cloud vendor is queried.

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Status Code	Description
400	Failed to query the total number of resources of the user in the cloud vendor.

Error Codes

See **Error Codes**.

4.1.5.6 Querying Resources of a User in the Cloud Vendor

Function

This API is used to query resources of a user in the cloud vendor.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:listResources	List	-	-	-	-

URI

GET /v1/multicloud-resources

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Table 4-88 Query Parameters

Parameter	Mandatory	Type	Description
vendor	Yes	String	**Definition**: Cloud vendor type. **Constraints**: N/A **Value range**: **AWS**: Amazon Web Services (AWS) • **AZURE**: Microsoft Azure • **ALI**: Alibaba Cloud • **HCS**: Huawei hybrid cloud solution Huawei Cloud Stack **Default value**: N/A
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

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Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
offset	No	String	**Definition**: Offset for pagination query, indicating that the query starts from this offset. **Constraints**: N/A **Value range**: **0** to **2147483647** **Default value**: 0
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
resource_id_list	No	Array of strings	**Definition**: List of resource IDs of a cloud vendor. **Constraints**: N/A **Value range**: Resource ID list. The maximum value is **100**. **Default value**: N/A
name_list	No	Array of strings	**Definition**: List of resource names under a cloud vendor. **Constraints**: N/A **Value range**: List. The maximum value is **100**. **Default value**: N/A
region_id_list	No	Array of strings	**Definition**: List of region IDs of a cloud vendor. **Constraints**: N/A **Value range**: Region ID list. The maximum value is **100**. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-89 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Multi-cloud resource list. **Value Range**: N/A

Table 4-90 data

Parameter	Type	Description
id	String	**Definition**: UUID allocated by COC-CMDB. **Value Range**: N/A
resource_id	String	**Definition**: Resource ID stored on the cloud vendor. **Value Range**: N/A
name	String	**Definition**: Resource name. **Value Range**: The value is a string of 3 to 50 characters.
vendor	String	**Definition**: Cloud vendor information. **Value Range**: • **AWS**: Amazon • **Azure**: Microsoft • **ALI**: Alibaba Cloud • **HCS**: Huawei hybrid cloud solution

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Parameter	Type	Description
type	String	**Definition**: Resource type. **Value Range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal servers (BMSs) • **clusters**: Cloud Container Engine. (CCE) instances • **instances**: cloud database instances
datasource	String	**Definition**: Cloud vendor account ID. **Value Range**: N/A
region_id	String	**Definition**: Region ID. **Value Range**: N/A
agent_id	String	**Definition**: ID of the UniAgent. **Value Range**: N/A
agent_state	String	**Definition**: UniAgent status. **Value Range**: • **ONLINE**: running. • **OFFLINE**: abnormal • **INSTALLING**: being installed • **FAILED**: installation failed • **UNINSTALLED**: uninstalled • **null**: not installed.
properties	Map<String,Object>	**Definition**: Resource attributes. **Value Range**: N/A

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Parameter	Type	Description
ingest_properties	Map<String,String>	**Definition**: Collection attribute. **Value Range**: N/A
inner_ip	String	**Definition**: Internal IP address of the resource. **Value Range**: N/A
is_associate_group	Boolean	**Definition**: Whether it has been associated with a specified group. **Value Range**: • **true**: It has been associated with a specified group. • **false**: It has not been associated with a specified group.
associated_group_list	Array of strings	**Definition**: List of groups associated with a resource. **Value Range**: N/A
create_time	String	**Definition**: Time when a resource is created. The value is in the ISO 8601 format. **Value Range**: N/A

Status code: 400

Table 4-91 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.

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Parameter	Type	Description
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

This API is used to query resources of a user in the cloud vendor.

```
GET https://{Endpoint} /v1/multicloud-resources?vendor=ALI&limit=10&offset=0&type=ACS::VPC::RouteTable
```

Example Responses

Status code: 200

The resource information is queried.


```
{
  "data" : [ {
    "id" : "67f62e99a9f251796893d83a",
    "resource_id" : "8bbaa2e3-5e70-47f5-ba86-60a2829e34fd",
    "name" : "ali-1",
    "vendor" : "ALI",
    "type" : "ACS::ECS::Instance",
    "datasource" : "1719089422411430",
    "region_id" : "xxx",
    "zone_id" : "",
    "agent_id" : "74130352f93141efa4c10ae1a1d0f14a",
    "agent_state" : "FAILED",
    "inner_ip" : "192.168.1.140",
    "properties" : {
      "ip_addresses" : [ "192.168.1.140" ],
      "tags" : [ ]
    },
    "ingest_properties" : {
      "vpc_id" : null
    },
    "is_associate_group" : null,
    "associated_group_list" : null,
    "create_time" : "2025-04-09T08:11:00.000+00:00"
  }, {
    "id" : "67f62e99a9f251796893d82a",
    "resource_id" : "e31a3ac6-2515-4954-96cd-538f749449bd",
    "name" : "ecs-2",
    "vendor" : "ALI",
    "type" : "ACS::ECS::Instance",
    "datasource" : "1719089422411430",
    "region_id" : "xxxx",
    "zone_id" : "",
    "agent_id" : "a89925d906d44a2184f7756f060bef5c",
    "agent_state" : "ONLINE",
    "inner_ip" : "192.168.1.177",
    "properties" : {
      "ip_addresses" : [ "192.168.1.177" ],
      "tags" : [ ]
    },
    "ingest_properties" : {
      "vpc_id" : "02b3d1ce-ae7e-4be6-9444-288bfe12e620"
    },
    "is_associate_group" : null,
```


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```
    "associated_group_list" : null,
    "create_time" : "2025-04-09T03:18:00.000+00:00"
  } ]
}
```

Status Codes

Status Code	Description
200	The resource information is queried.
400	Failed to query resource information.

Error Codes

See **Error Codes**.

4.1.5.7 Manually Synchronizing User Resources from a Cloud Vendor

Function

This API is used to manually synchronize user resources from a cloud vendor.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:syncResources	Write	-	-	-	-

URI

POST /v1/multicloud-resources/sync

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Request Parameters

Table 4-92 Request body parameters

Parameter	Mandatory	Type	Description
vendor	Yes	String	**Definition**: Cloud vendor information. **Constraints**: N/A **Value range**: • **RMS**: Huawei Cloud • **AZURE**: Microsoft Azure • **ALI**: Alibaba Cloud • **VMWARE**: VMware • **OPENSTACK**: OpenStack cloud platform • **HCS**: Huawei hybrid cloud solution Huawei Cloud Stack • **OTHER**: other cloud vendors **AWS**: Amazon Web Services (AWS) **Default value**: N/A
account_id	No	String	**Definition**: Account ID of a supplier. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-93 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Task ID. **Value range**: N/A

Example Requests

This API is used to manually synchronize user resources from a cloud vendor.

```
POST https://{Endpoint}/v1/multicloud-resources/sync

{
  "vendor" : "HCS",
  "account_id" : "ssstest21321"
}
```

Example Responses

Status code: 200

Request body for manually synchronizing user resources from a cloud vendor successfully.

```
{
  "data" : "d8503bdd-8482-4e69-812e-68600bcc1142"
}
```

Status Codes

Status Code	Description
200	Request body for manually synchronizing user resources from a cloud vendor successfully.

Error Codes

See **Error Codes**.

4.1.6 IDC Resource Configuration

4.1.6.1 Importing Resources from On-premises IDCs

Function

This API is used to manage resources from multiple cloud vendors and IDCs, including importing device resources in IDCs in batches.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:syncResources	Write	-	-	-	-

URI

POST /v1/other-resources/import

Request Parameters

Table 4-94 Request body parameters

Parameter	Mandatory	Type	Description
file	Yes	File	**Definition**: Download template Excel file (related device information) for the uploaded physical machines, VMs, or middleware devices. **Constraints**: N/A **Value range**: Download template Excel file (related device information) for physical machines, VMs, or middleware devices. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Import type. **Constraints**: N/A **Value range**: **vm**: indicates virtual machines (VMs) • **PM**: physical machines • **Middleware**: middleware devices **Default value**: N/A
region_id	Yes	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: The value is a string. It can contain 0 to 64 characters. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-95 Response body parameters

Parameter	Type	Description
success	Integer	**Definition**: Number of successful records, that is, number of data records that pass the verification in the Excel file. **Value range**: N/A

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Parameter	Type	Description
total	Integer	**Definition**: Total number of records, that is, the total number of data records in the Excel file. **Value range**: N/A
error_list	Array of strings	**Definition**: Failed information set, that is, error information collection of verification failures in the Excel file. **Value range**: N/A

Example Requests

This API is used to import resources from on-premises IDCs.

```
POST https://{endpoint}/v1/other-resources/import
```

Example Responses

None

Status Codes

Status Code	Description
200	The resources are imported.

Error Codes

See **Error Codes**.

4.1.6.2 Querying the Number of Resources in an On-premises IDC

Function

This API is used to query the number of IDC resources.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

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- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:countOtherResources	List	-	-	-	-

URI

GET /v1/other-resources/count

Table 4-96 Query Parameters

Parameter	Mandatory	Type	Description
is_delegated	No	Boolean	**Definition**: Whether resources are hosted. **Constraints**: N/A **Value range**: • **true**: Resources are hosted. • **false**: Resources are not hosted. **Default value**: N/A
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: **vm**: indicates virtual machines (VMs) • **PM**: physical machines • **Middleware**: middleware devices **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_delegate_domain	Yes	Boolean	**Definition**: Whether it is SRE. **Constraints**: N/A **Value range**: • **true**: It is SRE. • **false**: It is nor SRE. **Default value**: N/A
name_list	No	Array of strings	**Definition**: Resource name. Fuzzy query is supported. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
region_id	No	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: ID of the region with which the region is associated. **Default value**: N/A
create_since	No	String	**Definition**: Start date of the creation time. The value is in the ISO 8601 format. **Constraints**: At least one of the start date and end date must exist. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
create_until	No	String	**Definition**: End date of the creation time. The value is in the ISO8601 format. **Constraints**: At least one of the start date and end date must exist. **Value range**: N/A **Default value**: N/A
ip	No	String	**Definition**: Private IP address. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
os_type	No	String	**Definition**: OS **Constraints**: N/A **Value range**: • **window**: Windows OS • **linux**: Linux OS **Default value**: N/A
os_version_list	No	String	**Definition**: OS **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
agent_state	No	String	**Definition**: Agent status. **Constraints**: N/A **Value range**: • **ONLINE**: The UniAgent is running. • **OFFLINE**: The UniAgent is abnormal. • **INSTALLING**: The UniAgent is being installed. • **FAILED**: The UniAgent fails to be installed. • **UNINSTALLED**: The UniAgent is uninstalled. • **null**: The UniAgent is not installed. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-97 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Total number of resources in on-premises IDCs. **Value range**: N/A

Example Requests

None

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Example Responses

Status code: 200

Number of resources in on-premises IDCs is queried.

```
{
  "data" : 99
}
```

Status Codes

Status Code	Description
200	Number of resources in on-premises IDCs is queried.

Error Codes

See **Error Codes**.

4.1.7 Resource Information

4.1.7.1 Querying All Resources of a User

Function

This API is used to query all resources of a user.

- The information about all resources of a tenant can help the tenant learn about the overall resource status.
- The request parameters **provider** (cloud service name), **type** (cloud resource type), and **limit** (number of records) are mandatory. The maximum number of records that can be queried at a time is 200.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:listResources	List	-	-	-	-

URI

GET /v1/external/resources

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Table 4-98 Query Parameters

Parameter	Mandatory	Type	Description
provider	Yes	String	**Definition**: Cloud service name. **Constraints**: • If the number of created cloud resources (value of the **count** field) is greater than 1, you can use **Auto Sort** and **Regular Sort** to set the names of ordered cloud resources. • If the number of created cloud resources (the value of **count**) is greater than 1, the system automatically adds a mark similar to **-0000** to the end of each cloud resource name to differentiate cloud resources. If you specify a number, the name of the first new resource will start from the specified number. In this case, the ECS name contains 1 to 59 characters. **Value range**: The value can contain 1 to 128 English characters or 1 to 64 Chinese characters, including only letters, digits, underscores (_), hyphens (-), and periods (.). **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A

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Parameter	Mandatory	Type	Description
marker	No	String	**Definition**: It is used for pagination query. **Constraints**: N/A **Value range**: Pagination parameter. You can use the **marker** value returned in the previous request as the number of the first page of records to return in this request. **Default value**: N/A
resource_id_list	No	Array of strings	**Definition**: Resource ID list. **Constraints**: N/A **Value range**: Resource ID list. The maximum value is **100**. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-99 Response header parameters

Parameter	Type	Description
X-request-id	String	**Definition**: Request ID used for task tracing. **Value range**: request_uuid-timestamp-host name.

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Table 4-100 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Resource list. **Value Range**: The value ranges from 0 to 500.

Table 4-101 data

Parameter	Type	Description
id	String	**Definition**: Resource ID allocated by CloudCMDB. **Value Range**: N/A
resource_id	String	**Definition**: ID of the resource allocated by the cloud service. **Value Range**: The value is a string with 36 characters.
domain_id	String	**Definition**: Tenant ID. **Value Range**: N/A
name	String	**Definition**: Resource name. **Value Range**: The value is a string with 3 to 50 characters.
provider	String	**Definition**: Cloud service name **Value Range**: The value is a string with 1 to 64 characters.

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Parameter	Type	Description
type	String	**Definition**: Resource type. Options: **Value Range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • cloudservers: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMS) instances • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances
project_id	String	**Definition**: Project ID in OpenStack. **Value Range**: The value is a string with 32 characters.
project_name	String	**Definition**: Sub-project name of a region. **Value Range**: The value is a string with a maximum of 255 characters.
region_id	String	**Definition**: Region ID. **Value Range**: The value is a string with 0 to 64 characters.
ep_id	String	**Definition**: Enterprise project ID. **Value Range**: Select a project ID that exists in**Enterprise Management**.

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Parameter	Type	Description
ep_name	String	**Definition**: Enterprise project name. **Value Range**: The value can contain a maximum of 255 characters, including letters, digits, underscores (_), and hyphens (-). The value cannot be "default" in any case.
tags	Object	**Definition**: Resource tag. **Value Range**: N/A
agent_id	String	**Definition**: ID of the UniAgent. **Value Range**: N/A
agent_state	String	**Definition**: UniAgent status. **Value Range**: • **ONLINE**: running • **OFFLINE**: abnormal • **INSTALLING**: being installed • **FAILED**: installation failed • **UNINSTALLED**: uninstalled • **null**: not installed
properties	Object	**Definition**: Resource attributes. **Value Range**: N/A
ingest_properties	Map<String,String>	**Definition**: Collection attribute. **Value Range**: N/A
is_delegated	Boolean	**Definition**: Hosted **Value Range**: • **true**: Delegation has been performed. • **false**: Delegation is not performed.

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Parameter	Type	Description
inner_ip	String	**Definition**: Internal IP address of the resource. **Value Range**: N/A
operable	Boolean	**Definition**: Users can define whether O&M can be performed on a resource. **Value Range**: • **ENABLE**: The instance can be maintained. • **DISABLE**: The **operable** field does not exist if O&M cannot be performed on the instance.
is_associate_group	Boolean	**Definition**: Whether the resource has been associated with a specified group. **Value Range**: • **true**: The resource has been associated with a specified group. • **false**: the resource has not been associated with a specified group.
associated_group_list	Array of strings	**Definition**: List of groups associated with a resource. **Value Range**: N/A
create_time	String	**Definition**: Creation time. The value is in the ISO 8601 format. **Value Range**: N/A
update_time	String	**Definition**: Modification time. The value is in the ISO 8601 format. **Value Range**: N/A

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Table 4-102 TagResponse

Parameter	Type	Description
key	String	**Definition**: Tag key. **Value range**: The tag key cannot start or end with a space, or start with ***sys***. It can contain letters, digits, spaces, and the following special characters: _.:=+-@. A maximum of 128 characters are allowed.
value	String	**Definition**: Tag value. **Value range**: A tag value can contain a maximum of 255 characters. It cannot start or end with a space. Only letters, digits, spaces, and the following special characters are allowed: _ . : / = + - @

Status code: 400

Table 4-103 Response header parameters

Parameter	Type	Description
X-request-id	String	**Definition**: Request ID used for task tracing. **Value range**: request_uuid-timestamp-host name.

Table 4-104 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.

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Parameter	Type	Description
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

This API is used to query all resources of a user.

```
GET https://{Endpoint}/v1/external/resources?
limit=10&offset=0&type=cloudservers&provider=ecs&is_collected=true
```

Example Responses

Status code: 200

Querying all resources of the user succeeded.


```
{
  "data" : [ {
    "id" : "6891f55f1c083f512c6b222c",
    "resource_id" : "37b64b7c-cdc9-4c2b-8f34-b8fa450bfbd2",
    "name" : "auto-script-runbook-0005-0003",
    "ep_id" : "0",
    "ep_name" : "default",
    "project_id" : "10a6c23c2a1044779794798beb067c94",
    "project_name" : "testregion",
    "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "provider" : "ecs",
    "type" : "cloudservers",
    "region_id" : "testregion",
    "tags" : [ {
      "key" : "_sys_type_hcss_x",
      "value" : ""
    } ],
    "properties" : {
      "accessIpv4" : "",
      "hostName" : "auto-script-runbook-0005-0003",
      "addresses" : [ {
        "OsExtIpsType" : "fixed",
        "OsExtIpsPortId" : "05f5d9db-bb16-404a-a2a5-a5969942f330",
        "addr" : "192.168.3.104",
        "version" : 4,
        "OsExtIpsMacAddr" : "fa:16:3e:a3:fe:63",
        "primary" : true
      } ],
      "accessIpv6" : "",
      "metadata" : {
        "chargingMode" : "0",
        "meteringImageType" : "gold",
        "imageName" : "CentOS 7.5 64bit",
        "meteringImageId" : "e0adce3a-a4d2-4207-9018-69ce64b4426a",
        "meteringResourcesPerCode" : "x1.1u.1g.linux",
        "vpcId" : "7a7087df-cca1-4fab-9aae-c2105a1a49fb",
        "osBit" : "64",
        "osType" : "Linux"
      },
      "OsExtStsVmState" : "active",
      "configDrive" : "",
      "OsExtStsPowerState" : 1,
```


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```
    "hostId" : "52db359758486a662c841d888b49d0d0a184208e497e2a0eb0f065f7",
    "securityGroup" : [ {
      "name" : "default",
      "id" : "9e262f72-2f9a-4534-8a56-412710913895"
    } ],
    "ExtVolumesAttached" : [ {
      "bootIndex" : "0",
      "id" : "3bd6d353-979e-43d8-8936-ce2e246d79fd",
      "device" : "/dev/vda"
    } ],
    "userId" : "a0ea25cd3a7549208e93971d80424481",
    "flavor" : {
      "disk" : "0",
      "name" : "x1.1u.1g",
      "id" : "x1.1u.1g",
      "vcpus" : "1",
      "ram" : "1024"
    },
    "osextsrvattr" : {
      "hostName" : "auto-script-runbook-0005-0003",
      "kernelId" : "",
      "ramdiskId" : "",
      "reservationId" : "r-hnvhg2wd",
      "instanceName" : "instance-013ea14f",
      "host" : "52db359758486a662c841d888b49d0d0a184208e497e2a0eb0f065f7",
      "rootDeviceName" : "/dev/vda",
      "hypervisorHostName" : "52db359758486a662c841d888b49d0d0a184208e497e2a0eb0f065f7",
      "launchIndex" : 0
    },
    "OsDcfDiskConfig" : "MANUAL",
    "hostStatus" : "UP",
    "OsSrvUsgLaunchedAt" : "2025-08-05T07:14:07.000000",
    "OsExtAz" : "test11",
    "progress" : 0,
    "locked" : false,
    "status" : "ACTIVE",
    "schedulerHints" : { }
  },
  "ingest_properties" : null,
  "agent_id" : "9cf256e04bbe49f89593cfb66a3b5956",
  "agent_state" : "ONLINE",
  "inner_ip" : "192.168.3.104",
  "is_delegated" : null,
  "operable" : null,
  "is_associate_group" : null,
  "associated_group_list" : null,
  "create_time" : "2025-08-05T07:13:55.000+00:00",
  "update_time" : "2025-08-05T08:04:05.000+00:00"
 } ]
}
```


Status Codes

Status Code	Description
200	Querying all resources of the user succeeded.
400	Failed to query all resources of the user.

Error Codes

See **Error Codes**.

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4.1.7.2 Querying the Total Number of User Resources

Function

This API is used to query the total number of user resources.

Users can query resources. The number of resource data records that meet the filter criteria can be returned.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:countResources	List	-	-	-	-

URI

GET /v1/resources/count

Table 4-105 Query Parameters

Parameter	Mandatory	Type	Description
provider	Yes	String	**Definition**: Cloud service name. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A

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Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A
resource_id_list	No	Array of strings	**Definition**: Resource ID list. **Constraints**: N/A **Value range**: A collection of resource IDs selected by users. **Default value**: N/A
name	No	String	**Definition**: Cloud resource name. **Constraints**: N/A **Value range**: The value is a string. For details, see BMS. **Default value**: N/A

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Parameter	Mandatory	Type	Description
region_id	No	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: ID of the region with which the region is associated. **Default value**: N/A
az_id	No	String	**Definition**: AZ ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
ip_type	No	String	**Definition**: The property is in the IP address format. **Constraints**: N/A **Value range**: • **fixed**: internal IP address **floating**: elastic public IP address **Default value**: N/A
ip	No	String	**Definition**: Cloud resource IP address. **Constraints**: N/A **Value range**: Filtering results for IPv4 addresses, which are fuzzy matched. **Default value**: N/A

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Parameter	Mandatory	Type	Description
status	No	String	**Definition**: Cloud resource status. **Constraints**: N/A **Value range**: Select an ECS status that is available in**ECS**. **Default value**: N/A
agent_state	No	String	**Definition**: Agent status. **Constraints**: N/A **Value range**: • **ONLINE**: The UniAgent is running. • **OFFLINE**: The UniAgent is abnormal. • **INSTALLING**: The UniAgent is being installed. • **FAILED**: The UniAgent fails to be installed. • **UNINSTALLED**: The UniAgent is uninstalled. • **null**: The UniAgent is not installed. **Default value**: N/A
image_name	No	String	**Definition**: Image name, which is used for fuzzy match. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
os_type	No	String	**Definition**: System type. **Constraints**: N/A **Value range**: • **window**: Windows OS. • **linux**: Linux OS. **Default value**: N/A
tag	No	String	**Definition**: Cloud resource tag. **Constraints**: A tag is in the format of "key.value". The maximum lengths of the key and value are 36 and 43 characters, respectively. **Value range**: The key of the tag can contain only letters, digits, underscores *(_) , and hyphens (-). The value of the tag can contain only letters, digits, underscores* (_) , hyphens (-), and periods (.). **Default value**: N/A
tag_key	No	String	**Definition**: Tag key of a cloud resource. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
group_id	No	String	**Definition**: Group ID of a cloud resource. **Constraints**: If the group ID is used, the number of resources in the group is queried. **Value range**: N/A **Default value**: N/A
component_id	No	String	**Definition**: Component ID of a cloud resource. **Constraints**: If the component ID is used, the number of resources in the component is queried. **Value range**: N/A **Default value**: N/A
application_id	No	String	**Definition**: Application ID of a cloud resource. **Constraints**: If the application ID is used, the number of resources of the application is queried. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
cce_cluster_id	No	String	**Definition**: CCE cluster ID. **Constraints**: N/A **Value range**: ID of the CCE cluster to which the resource belongs. **Default value**: N/A
ep_id	No	String	**Definition**: Enterprise project ID. **Constraints**: N/A **Value range**: Select a project ID that is available in**Enterprise Management**. **Default value**: N/A
is_delegated	No	String	**Definition**: Hosted **Constraints**: N/A **Value range**: • **true**: The enterprise project has been hosted. • **false**: The enterprise project is not hosted. **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_collected	No	Boolean	**Definition**: Whether to add it to favorites. **Constraints**: N/A **Value range**: • **true**: The enterprise project has been added to favorites. • **false**: The enterprise project is not added to favorites. **Default value**: N/A
flavor_name	No	String	**Definition**: Resource flavor name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
charging_mode	No	String	**Definition**: Cloud server billing mode. **Constraints**: N/A **Value range**: Billing mode. • **0**: pay-per-use • **1**: yearly/monthly • **2**: spot price **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-106 Response header parameters

Parameter	Type	Description
X-request-id	String	**Definition**: Request ID used for task tracing. **Value range**: request_uuid-timestamp-host name

Table 4-107 Response body parameters

Parameter	Type	Description
data	Long	**Definition**: Number of cloud resources. **Value range**: The value ranges from 0 to 65,535.

Status code: 400

Table 4-108 Response header parameters

Parameter	Type	Description
X-request-id	String	**Definition**: Request ID used for task tracing. **Value range**: request_uuid-timestamp-host name

Table 4-109 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

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Example Requests

Query the total number of user resources.

```
GET https://{Endpoint}/v1/resources/count?type=clusters&provider=cce&is_collected=false
```

Example Responses

Status code: 200

The total number of resources is queried.

```
{
  "data" : 54
}
```

Status Codes

Status Code	Description
200	The total number of resources is queried.
400	Failed to query the total number of resources.

Error Codes

See **Error Codes**.

4.1.7.3 Synchronizing Agent Information about Huawei Cloud Resources

Function

If the Agent information of Huawei Cloud resources is not properly displayed, you can manually update the resource data through status synchronization to ensure data timeliness and reliability.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:syncResources	Write	-	-	-	-

URI

POST /v1/resources/uniagent/sync

Request Parameters

Table 4-110 Request body parameters

Parameter	Mandatory	Type	Description
resource_infos	No	Array of **resource_infos** objects	**Definition**: Select the resource information corresponding to the resource to be synchronized. **Constraints**: N/A **Value range**: The list contains 1 to 100 items. **Default value**: N/A

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Parameter	Mandatory	Type	Description
vendor	No	String	**Definition**: Cloud vendor. **Constraints**: N/A **Value range**: • When Huawei Cloud resources are synchronized, this parameter can be left blank. • When Alibaba Cloud resources are synchronized, **ALI** is used. **Default value**: The value is a string. It contains 1 to 64 characters.

Table 4-111 resource_infos

Parameter	Mandatory	Type	Description
region_id	No	String	**Definition**: ID of the region to which the resource belongs. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 64 characters. **Default value**: N/A
resource_id	No	String	**Definition**: ID of the resource selected by the user. **Constraints**: N/A **Value range**: The value is a string. It contains 36 characters. **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-112 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Task ID. **Value range**: N/A

Status code: 400

Table 4-113 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

Synchronize Agent information of Huawei Cloud resources

```
POST https://{endpoint}/v1/resources/uniagent/sync

{
  "resource_infos" : [ {
    "region_id" : "string",
    "resource_id" : "85709555-8c07-48ee-a024-dd965d63d498",
    "id" : "686cc982101fbf1cdab41123"
  } ]
}
```

Example Responses

Status code: 200

Agent information of Huawei Cloud resources is synchronized.

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```
{
  "data" : "9fee1b42-fb41-4152-b4bc-545ecec77e20"
}
```

Status Codes

Status Code	Description
200	Agent information of Huawei Cloud resources is synchronized.
400	Failed to synchronize Huawei Cloud resource agent information.

Error Codes

See **Error Codes**.

4.1.8 Resource Views

4.1.8.1 This API is used to query a cross-account resource view in CloudCMDB.

Function

This API is used to query the cross-account resource view in CloudCMDB.

A view consists of a group of filters. You can configure the filter criteria to access desired resources on Huawei Cloud in cross-account scenarios.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:list	List	-	-	-	-

URI

GET /v1/resource/views

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Table 4-114 Query Parameters

Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
marker	No	String	**Definition**: Pagination parameter. You can use the **marker** value returned in the previous request as the number of the first page of records to return in this request. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-115 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Resource data aggregated in a view. **Value range**: The value is a string. It contains 1 to 32 characters.

Table 4-116 data

Parameter	Type	Description
id	String	**Definition**: Resource view ID. **Value range**: The value is a string. It contains 1 to 32 characters.
name	String	**Definition**: Resource view name. **Value range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_).
manager_domain_id	String	**Definition**: Domain ID of the view creator, which is the owner of the view resource aggregation. **Value range**: N/A
organization_id	String	**Definition**: ID of the organization to which the view belongs. **Value range**: N/A
organization_unit_ids	Array of strings	**Definition**: List of IDs of OUs aggregated by the view. **Value range**: N/A

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Parameter	Type	Description
domain_ids	Array of strings	**Definition**: List of tenant account IDs contained in the view. **Value range**: N/A
resource_types	Array of strings	**Definition**: List of resource types contained in the view. **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances
view_type	String	**Definition**: View type. **Value range**: Currently, only organization is supported.

Example Requests

This API is used to query the cross-account resource view in CloudCMDB.

```
GET https://{Endpoint}/resource/views?limit=120
```

Example Responses

Status code: 200

Query a cross-account resource view in CloudCMDB.

```
{
  "data" : [ {
    "id" : "67eced5bbba8867be02aeac3",
    "name" : "qwgwegwe",
    "manager_domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "organization_id" : "o-xuglfowux9ks92yrt7q4yc3ubsy6mjhd",
    "organization_unit_ids" : [ ],
    "domain_ids" : [ "fb858e4f455646259b40065b50e72e61", "dc2d76541f754d68a4c8d150262d92c2",
"08fc8d260d00d4900f0ec00c54a17060" ],
    "resource_types" : [ "dms.kafkas", "dms.queues", "dms.rabbitmqs", "dms.reliabilitys", "dms.kafka_nodes",
"dms.rabbitmq_nodes", "dms.rocketmq_nodes", "dcs.redis", "dcs.memcached", "dcs.node", "apig.instances" ],
```

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```
    "view_type" : "organizational"
  }, {
    "id" : "6819f2de5219566befb2880d",
    "name" : "rewrqw",
    "manager_domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "organization_id" : "o-xuglfowux9ks92yrt7q4yc3ubsy6mjhd",
    "organization_unit_ids" : [ "r-mxc9k8s74gj2hu96yhn5i6kd8i9wh8k7" ],
    "domain_ids" : [ "dc2d76541f754d68a4c8d150262d92c2", "08fc8d260d00d4900f0ec00c54a17060",
"fb858e4f455646259b40065b50e72e61" ],
    "resource_types" : [ "ecs.cloudservers", "bms.servers", "fgs.functions", "hcss.l-instance",
"as.scalingGroups", "ims.images", "cph.cloudphoneservers", "deh.dedicatedhosts" ],
    "view_type" : "organizational"
  } ]
}
```


Status Codes

Status Code	Description
200	Query a cross-account resource view in CloudCMDB.

Error Codes

See **Error Codes**.

4.1.8.2 Creating a Cross-Account Resource View in CloudCMDB

Function

To perform unified and automatic O&M operations on resources of other accounts in an organization, avoid repeated labor input caused by multi-account operations, and reduce risks such as omission caused by manual operations, the cross-account resource view capability of CloudCMDB is provided to manage resource information.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:create	Write	resourceView *	-	-	-

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URI

POST /v1/resource/views

Request Parameters

Table 4-117 Request body parameters

Parameter	Mandatory	Type	Description
organization_unit_ids	Yes	Array of strings	**Definition**: List of IDs of OUs aggregated by the view. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
resource_types	Yes	Array of strings	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

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Parameter	Mandatory	Type	Description
view_type	Yes	String	**Definition**: View type. **Constraints**: N/A **Value range**: Currently, only organization is supported. **Default value**: N/A
organization_id	No	String	**Definition**: Organization ID. **Constraints**: N/A **Value range**: ID of the organization to which the view belongs. **Default value**: N/A
name	Yes	String	**Definition**: View name. **Constraints**: N/A **Value range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-118 Response body parameters

Parameter	Type	Description
data	String	**Definition**: View ID. **Value range**: The value contains 1 to 32 characters.

Example Requests

This API is used to create a CloudCMDB cross-account resource view.

```
POST https://{Endpoint}/v1/resource/views

{
  "name" : "Test view",
  "view_type" : "organizational",
  "organization_id" : "o-xuglfowux9ks92yrt7q4yc3ubsy6mjhd",
  "organization_unit_ids" : [ "r-mxc9k8s74gj2hu96yhn5i6kd8i9wh8k7" ],
  "resource_types" : [ "ecs.cloudservers", "bms.servers", "fgs.functions", "hcss.l-instance", "as.scalingGroups",
"ims.images", "cph.cloudphoneservers", "deh.dedicatedhosts" ]
}
```

Example Responses

Status code: 200

The view is created.

```
{
  "data" : "686b63cb101fbf1cdab37803"
}
```

Status Codes

Status Code	Description
200	The view is created.

Error Codes

See **Error Codes**.

4.1.8.3 Updating the Cross-Account Resource View in CloudCMDB

Function

This API is used to modify a created cross-account resource view in CloudCMDB.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:update	Write	resourceView *	-	-	-

URI

PUT /v1/resource/views/{id}

Table 4-119 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: View ID **Constraints**: N/A **Value range**: The value is a string. It contains 1 to 32 characters. **Default value**: N/A

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Request Parameters

Table 4-120 Request body parameters

Parameter	Mandatory	Type	Description
organization_unit_ids	Yes	Array of strings	**Definition**: List of IDs of OUs aggregated by the view. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
resource_types	Yes	Array of strings	**Definition**: Resource types contained in the view. **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances
organization_id	No	String	**Definition**: ID of the organization to which the view belongs. **Constraints**: N/A **Value range**: The value is a string. It contains 0 to 36 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
view_type	Yes	String	**Definition**: View type. **Constraints**: N/A **Value range**: Currently, only organization is supported. **Default value**: N/A
name	Yes	String	**Definition**: View name. **Constraints**: N/A **Value range**: The value can contain 3 to 50 characters, including letters, digits, hyphens (-), and underscores (_). **Default value**: N/A

Response Parameters

Status code: 200

Table 4-121 Response body parameters

Parameter	Type	Description
data	String	**Definition**: View ID. **Value range**: The value is a string. It contains 1 to 32 characters.

Example Requests

This API is used to update a cross-account resource view in CloudCMDB.

```
PUT https://{Endpoint}/v1/resource/views/{id}

{
  "name" : "Test modification",
```

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```
  "view_type" : "organizational",
  "organization_id" : "o-xuglfowux9ks92yrt7q4yc3ubsy6mjhd",
  "domain_ids" : [ "fb858e4f455646259b40065b50e72e61", "dc2d76541f754d68a4c8d150262d92c2" ],
  "resource_types" : [ "dms.kafkas", "dms.queues", "dms.rabbitmqs", "dms.reliabilitys", "dms.kafka_nodes",
"dms.rabbitmq_nodes", "dms.rocketmq_nodes", "dcs.redis", "dcs.memcached" ]
}
```

Example Responses

Status code: 200

View updated successfully.

```
{
  "data" : "686b63cb101fbf1cdab37803"
}
```

Status Codes

Status Code	Description
200	View updated successfully.

Error Codes

See **Error Codes**.

4.1.8.4 Deleting the Cross-Account Resource Management View from CloudCMDB

Function

This API is used to delete cross-account resource management views in CloudCMDB when they are not needed.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:delete	Write	resourceView *	-	-	-

URI

DELETE /v1/resource/views/{id}

Table 4-122 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: View ID **Constraints**: N/A **Value range**: The value is a string. It contains 1 to 32 characters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-123 Response body parameters

Parameter	Type	Description
data	String	**Definition**: View ID. **Value range**: The value contains 1 to 32 characters.

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Example Requests

This API is used to delete the cross-account resource management view from CloudCMDB.

```
DELETE https://{Endpoint}/v1/resource/views/{id}
```

Example Responses

Status code: 200

The view is deleted.

```
{
  "data" : "686b63cb101fbf1cdab37803"
}
```

Status Codes

Status Code	Description
200	The view is deleted.

Error Codes

See **Error Codes**.

4.1.8.5 Synchronizing Cross-Account Resource Views in CloudCMDB

Function

This API is used to synchronize data of all accounts associated with created views and selected resource types.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:syncResources	Write	resourceView *	-	-	-

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URI

POST /v1/resource/views/{id}/sync

Table 4-124 Path Parameters

Parameter	Mandatory	Type	Description
id	Yes	String	**Definition**: View ID **Constraints**: N/A **Value range**: The value is a string. It contains 1 to 32 characters. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-125 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Task ID. **Value range**: N/A

Example Requests

This API is used to synchronize a cross-account resource view in CloudCMDB.

```
POST https://{Endpoint}/v1/resource/views/{id}/sync
```

Example Responses

Status code: 200

View resources are synchronized.

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```
{
  "data" : "5055ea80-9e3b-45ca-ba3f-b9d0da40998e"
}
```

Status Codes

Status Code	Description
200	View resources are synchronized.

Error Codes

See **Error Codes**.

4.1.8.6 Querying Resources Aggregated in the Cross-Account Resource View of CloudCMDB

Function

This API is used to query and filter the resources aggregated in the cross-account resource view of CloudCMDB after a view is created.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:listResources	List	resourceView *	-	-	-

URI

GET /v1/resource/views/resources

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Table 4-126 Query Parameters

Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A
offset	No	String	**Definition**: Offset from which the query starts. **Constraints**: N/A **Value range**: **0** to **2147483647** **Default value**: 0
view_id	Yes	String	**Definition**: View ID **Constraints**: N/A **Value range**: The value is a string. It contains 1 to 32 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
provider	No	String	**Definition**: Cloud service name. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-127 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Resource data aggregated in a view. **Value range**: N/A

Table 4-128 data

Parameter	Type	Description
id	String	**Definition**: Unique ID. **Value range**: N/A
view_id	String	**Definition**: View ID. **Value range**: The value is a string. It contains 1 to 32 characters.
rms_resource_id	String	**Definition**: The value corresponds to the ID value in the **rms_resource** collection. **Value range**: N/A
resource_id	String	**Definition**: Resource ID, which is the ID of the resource in the view management module of a cross-account resource. **Value range**: The value contains 36 characters.

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Parameter	Type	Description
domain_id	String	**Definition**: ID of the tenant to which a user logs in. **Value range**: N/A
name	String	**Definition**: Name of the resource in the view. **Value range**: The value is a string. It contains 3 to 50 characters.
ep_id	String	**Definition**: Enterprise project ID. **Value range**: Select a project ID that is available in**Enterprise Management**.
ep_name	String	**Definition**: Enterprise project name. **Value range**: N/A
project_id	String	**Definition**: Project ID in OpenStack. **Value range**: N/A
provider	String	**Definition**: Cloud service name. **Value range**: The value contains 1 to 64 characters.

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Parameter	Type	Description
type	String	**Definition**: Resource type. **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances
region_id	String	**Definition**: Region ID. **Value range**: The value is a string. It contains 0 to 64 characters.
tags	Array of **tags** objects	**Definition**: The key-value pair of a tag. **Value range**: N/A
properties	Object	**Definition**: Additional field information of a storage resource, which is usually used for display and filtering. **Value range**: N/A
ingest_properties	Object	**Definition**: Data collection attribute, which describes the additional information recorded when the view system collects the resource. **Value range**: N/A
agent_id	String	**Definition**: ID of the UniAgent. **Value range**: N/A

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Parameter	Type	Description
agent_state	AnyType	**Definition**: UniAgent status. **Value range**: • **ONLINE**: The UniAgent is running. • **OFFLINE**: The UniAgent is abnormal. • **INSTALLING**: The UniAgent is being installed. • **FAILED**: The UniAgent fails to be installed. • **UNINSTALLED**: The UniAgent is uninstalled. • **null**: The UniAgent is not installed.
inner_ip	String	**Definition**: Internal IP address of the resource. **Value range**: N/A
associated_group_list	Object	**Definition**: List of bound resource group information. **Value range**: N/A

Table 4-129 tags

Parameter	Type	Description
key	String	**Definition**: The tag key. **Value range**: The tag key cannot start or end with a space, or start with ***sys***. It can contain letters, digits, spaces, and the following special characters: _.:=+-@. A maximum of 128 characters are allowed.

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Parameter	Type	Description
value	String	**Definition**: The tag values. **Value range**: A tag value can contain a maximum of 255 characters. It cannot start or end with a space. Only letters, digits, spaces, and the following special characters are allowed: _ . : / = + - @

Example Requests

Query resources aggregated in the cross-account resource view of CloudCMDB.

```
GET https://{Endpoint}/v1/resource/views/resources
```

Example Responses

Status code: 200

Resources aggregated in the cross-account resource view of CloudCMDB are queried.


```
{
  "data" : [ {
    "id" : "674034ed9de91350a4753232",
    "view_id" : "674034ec9de91350a4753230",
    "rms_resource_id" : "6569f4f04552f23e97babff3",
    "resource_id" : "0228b9bb-7567-49ca-9707-4d851a863ec4",
    "domain_id" : "dc2d76541f754d68a4c8d150262d92c2",
    "name" : "runbook-test-0088ab2 deleted by mistake",
    "ep_id" : "9d414beb-88b7-4ea8-9e61-1ebb64876849",
    "ep_name" : "COC",
    "project_id" : "10a6c23c2a1044779794798beb067c94",
    "provider" : "ecs",
    "type" : "cloudservers",
    "region_id" : "string",
    "tags" : [ {
      "key" : "FASA",
      "value" : "gdsa"
    }, {
      "key" : "ID3",
      "value" : "123456789"
    }, {
      "key" : "ID",
      "value" : "123456789"
    }, {
      "key" : "43243",
      "value" : "45RT"
    }, {
      "key" : "ID2",
      "value" : "123456789"
    } ],
    "properties" : {
      "accessIpv4" : "",
      "hostName" : "runbook-test-0088",
      "addresses" : [ {
        "OsExtIpsType" : "fixed",
        "OsExtIpsPortId" : "1f653e40-423d-4df0-b539-16c3cfd2a2bd",
```

```
      "addr" : "192.168.0.94",
      "version" : 4,
      "OsExtIpsMacAddr" : "fa:16:3e:f0:48:a6",
      "primary" : true
    } ],
    "accessIpv6" : "",
    "metadata" : {
      "chargingMode" : "0",
      "meteringImageType" : "gold",
      "imageName" : "Public-CAD-HCE-BaseTemplate-2.0.2312.1-x86_64-Standard",
      "meteringImageId" : "5086e876-a5c2-4d45-a734-1e0c0f664730",
      "meteringResourcesPerCode" : "s6.small.1.linux",
      "vpcId" : "44cec12a-3d51-4101-962e-c973fc4ea948",
      "osBit" : "64",
      "osType" : "Linux",
      "ecmResStatus" : ""
    },
    "OsExtStsVmState" : "stopped",
    "configDrive" : "",
    "OsExtStsPowerState" : 4,
    "hostId" : "387bf199de0b370202251e0db98291285b8b5849b5df74bec036abae",
    "securityGroup" : [ {
      "name" : "default",
      "id" : "9e262f72-2f9a-4534-8a56-412710913895"
    } ],
    "ExtVolumesAttached" : [ {
      "bootIndex" : "0",
      "id" : "f85d484e-f502-43e2-9f99-3add086884ef",
      "device" : "/dev/vda"
    } ],
    "userId" : "9fec03ee5b1040818b91bef6e16213df",
    "flavor" : {
      "disk" : "0",
      "name" : "s6.small.1",
      "id" : "s6.small.1",
      "vcpus" : "1",
      "ram" : "1024"
    },
    "osextsrvattr" : {
      "hostName" : "runbook-test-0088",
      "kernelId" : "",
      "ramdiskId" : "",
      "reservationId" : "r-lljtv8ct",
      "instanceName" : "instance-008def4e",
      "host" : "dd9e17d37e277347b5c29e6ee04c9f5e2aafe6e4a84596c541c48179",
      "rootDeviceName" : "/dev/vda",
      "hypervisorHostName" : "c3a03e89b2504db22be4a695b862662205800ca4ac466a8f8d177e60",
      "launchIndex" : 0
    },
    "OsDcfDiskConfig" : "MANUAL",
    "hostStatus" : "UP",
    "OsSrvUsgLaunchedAt" : "2023-06-27T08:35:10.000000",
    "OsExtAz" : "string",
    "locked" : false,
    "status" : "SHUTOFF",
    "schedulerHints" : { }
  },
  "ingest_properties" : null,
  "agent_id" : null,
  "agent_state" : null,
  "inner_ip" : null,
  "associated_group_list" : null
 } ]
}
```


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Status Codes

Status Code	Description
200	Resources aggregated in the cross-account resource view of CloudCMDB are queried.

Error Codes

See **Error Codes**.

4.1.8.7 Querying the Total Number of Resources Aggregated in the CloudCMDB Cross-Account Resource View

Function

After a view is created, you can query and filter the number of aggregated resources in the CloudCMDB cross-account resource view to obtain the total number of resources.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:resourceView:countResources	Read	-	-	-	-

URI

GET /v1/resource/views/resources/count

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Table 4-130 Query Parameters

Parameter	Mandatory	Type	Description
view_id	Yes	String	**Definition**: View ID **Constraints**: N/A **Value range**: The value is a string. It contains 1 to 32 characters. **Default value**: N/A
provider	No	String	**Definition**: Cloud service name. **Constraints**: N/A **Value range**: The value is a string. The value can be **ecs**, **cce**, or **rds**. **Default value**: N/A
type	No	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: There are many resource types. Select a resource type based on the actual service. The common resource types are as follows: • **cloudservers**: Elastic Cloud Servers (ECSs) • **servers**: bare metal server (BMSs) • **clusters**: Cloud Container Engine (CCE) instances • **instances**: cloud database instances **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-131 Response body parameters

Parameter	Type	Description
data	Long	**Definition**: Number of cloud resources. **Value range**: The value ranges from 0 to 65,535.

Example Requests

Query the total number of resources aggregated in the cross-account resource view of CloudCMDB.

```
GET https://{Endpoint}/v1/resource/views/resources/count
```

Example Responses

Status code: 200

Response to the request for querying view resources.

```
{
  "data" : 3
}
```

Status Codes

Status Code	Description
200	Response to the request for querying view resources.

Error Codes

See **Error Codes**.

4.1.9 Enterprise Projects

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4.1.9.1 Querying Enterprise Projects That Are Added to Favorites

Function

This API is used to query enterprise projects that are added to favorites. You can filter resources by enterprise project to quickly view resources.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc::listEpsCollection	List	-	-	• coc:enterpriseProject:listCollect	-

URI

GET /v1/enterprise-project-collect

Table 4-132 Query Parameters

Parameter	Mandatory	Type	Description
id	No	String	**Definition**: Unique ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
marker	No	String	**Definition**: Pagination query parameter, which is the last ID of the request on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
limit	Yes	Integer	**Definition**: Number of items displayed on each page when the pagination query is performed. **Constraints**: N/A **Value range**: It is user-defined. The value ranges from 1 to 500. **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-133 Response body parameters

Parameter	Type	Description
data	Array of **data** objects	**Definition**: Objects that are added to favorites. **Value range**: The list contains 0 to 500 items.

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Table 4-134 data

Parameter	Type	Description
id	String	**Definition**: Unique ID. **Value range**: N/A
user_id	String	**Definition**: User ID. **Value range**: N/A
ep_id_list	Array of strings	**Definition**: List of enterprise projects added to favorites. **Value range**: N/A

Example Requests

Query enterprise projects that are added to favorites.

```
GET https://{Endpoint}/v1/enterprise-project-collect?limit=1
```

Example Responses

Status code: 200

The enterprise projects that are added to favorites are queried.

```
{
  "data" : [ {
    "id" : "67f377fb82f8e23d90f75574",
    "user_id" : "653989085ba7487184d7cf219b8aa51e",
    "ep_id_list" : [ "0", "a30b64a9-4b25-46b1-b063-ed477ee94069", "fae3f65d-43b1-4ec6-bd0f-ba23c3d1df05" ]
  } ]
}
```

Status Codes

Status Code	Description
200	The enterprise projects that are added to favorites are queried.

Error Codes

See **Error Codes**.

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4.1.9.2 Updating the Enterprise Projects That Are Added to Favorites

Function

This API is used to update enterprise projects that are added to favorites.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc::updateEpsCollection	Write	-	-	• coc:enterpriseProject:updateCollect	-

URI

PUT /v1/enterprise-project-collect

Request Parameters

Table 4-135 Request body parameters

Parameter	Mandatory	Type	Description
ep_id_list	Yes	Array of strings	**Definition**: List of selected enterprise projects added to favorites. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Response Parameters

Status code: 200

Table 4-136 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID allocated by COC-CMDB. **Value Range**: N/A

Example Requests

This API is used to update the enterprise projects that are added to favorites.

```
PUT https://{Endpoint}/v1/enterprise-project-collect

{
  "id" : "67f377fb82f8e23d90f75574",
  "user_id" : "653989085ba7487184d7cf219b8aa51e",
  "ep_id_list" : [ "0", "a30b64a9-4b25-46b1-b063-ed477ee94069", "fae3f65d-43b1-4ec6-bd0f-ba23c3d1df05", "ba2d2a6a-6d15-464b-9ba3-278919a78e82" ]
}
```

Example Responses

Status code: 200

Enterprise projects added to favorites are updated.

```
{
  "data" : "67f377fb82f8e23d90f75574"
}
```

Status Codes

Status Code	Description
200	Enterprise projects added to favorites are updated.

Error Codes

See **Error Codes**.

4.1.10 Tags

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4.1.10.1 Querying Resource Tags

Function

If there are a large number of cloud resources, you can use Tag Management Service (TMS) to manage them. Query resource information by filtering resource tags.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:listTagsForResource	List	-	-	• coc:instance:listResourceTags	-

URI

GET /v1/resources/{resource_id}/tags

Table 4-137 Path Parameters

Parameter	Mandatory	Type	Description
resource_id	Yes	String	**Definition**: ID of the resource to which you want to add a tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

None

Response Parameters

Status code: 200

Table 4-138 Response body parameters

Parameter	Type	Description
[items]	Array of **TagResponse** objects	**Definition**: The key-value pair of a tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-139 TagResponse

Parameter	Type	Description
key	String	**Definition**: Tag key. **Value range**: The tag key cannot start or end with a space, or start with ***sys***. It can contain letters, digits, spaces, and the following special characters: _.:=+-@. A maximum of 128 characters are allowed.
value	String	**Definition**: Tag value. **Value range**: A tag value can contain a maximum of 255 characters. It cannot start or end with a space. Only letters, digits, spaces, and the following special characters are allowed: _ . : / = + - @

Status code: 400

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Table 4-140 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

This API is used to query resource tags.

```
GET https://{Endpoint}/v1/resources/{resource_id}/tags
```

Example Responses

Status code: 200

Resource tags are queried.

```
[ {
  "key" : "string",
  "value" : "string"
} ]
```

Status Codes

Status Code	Description
200	Resource tags are queried.
400	Failed to query the resource tag.

Error Codes

See **Error Codes**.

4.1.10.2 Adding a resource tag

Function

If there are a large number of cloud resources, you can use Tag Management Service (TMS) to manage cloud resources under your account and add resource tags.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:addResourceToTags	Write	-	-	• coc:instance:creatEResourceTags	-

URI

POST /v1/resources/{resource_id}/tags

Table 4-141 Path Parameters

Parameter	Mandatory	Type	Description
resource_id	Yes	String	**Definition**: ID of the resource to which you want to add a tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

Table 4-142 Request body parameters

Parameter	Mandatory	Type	Description
tags	Yes	Array of **QueryResourceTagsResponse** objects	**Definition**: The key-value pair of a tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-143 QueryResourceTagsResponse

Parameter	Mandatory	Type	Description
[items]	No	Array of **TagResponse** objects	**Definition**: The key-value pair of a tag. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-144 TagResponse

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition**: Tag key. **Value range**: The tag key cannot start or end with a space, or start with ***sys***. It can contain letters, digits, spaces, and the following special characters: _.:=+-@. A maximum of 128 characters are allowed.

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Parameter	Mandatory	Type	Description
value	Yes	String	**Definition**: Tag value. **Value range**: A tag value can contain a maximum of 255 characters. It cannot start or end with a space. Only letters, digits, spaces, and the following special characters are allowed: _ . : / = + - @

Response Parameters

Status code: 200

Table 4-145 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Resource ID. **Value Range**: N/A

Status code: 400

Table 4-146 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: The value contains 8 to 36 characters.
error_msg	String	**Definition**: Error description. **Value range**: The value contains 2 to 512 characters.

Example Requests

Add a resource tag.

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```
POST https://{Endpoint}/v1/resources/{resource_id}/tags

{
  "tags" : [ {
    "key" : "Test resource tag",
    "value" : "9999"
  } ]
}
```

Example Responses

Status code: 200

Resource tags are added.

```
{
  "data" : {
    "id" : "6805f787eac07d54601ab7d7"
  }
}
```

Status Codes

Status Code	Description
200	Resource tags are added.
400	Failed to add the resource tag.

Error Codes

See **Error Codes**.

4.2 Script Management

4.2.1 Script Management

4.2.1.1 Creating a script

Function

This API is used to create custom job scripts.

- A script with a tag attribute is a high-risk script. When creating such script, you do not need to perform secondary verification on whether it is high-risk.
- Tenants are isolated. For scripts created through the northbound interface, if the reviewer field is not set, review is not required by default.

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Constraints

Script name: The script name must be unique under the same tenant. The value can contain a maximum of 64 characters, including letters, digits, and underscores (_).

- The maximum size of the script content is 100 KB.
- A maximum of 20 script parameters are supported.
- Script Description: Enter a maximum of 256 characters.
- The name of a single parameter contains 64 characters, including only letters, digits, and underscores (_).
- The value of a single parameter can contain a maximum of 1024 characters. The regular expression is ^((?!.{2,})[a-zA-Z0-9_-/.|*x20?:",=+@[{]}])*$.
- A maximum of five reviewers are supported.
- The maximum size of logs generated by the script can only be 1 MB.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:create	Write	document *	-	-	-

URI

POST /v1/job/scripts

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Request Parameters

Table 4-147 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.

Table 4-148 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Script name. **Constraints**: Only letters, digits, and underscores (_) are allowed. **Value range**: N/A. **Default value**: N/A.
properties	Yes	**ScriptPropertiesModel** object	**Definition**: Script attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
description	Yes	String	**Definition**: Script description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
type	Yes	String	**Definition**: Script type. Suffixes of various script types: • SHELL: .sh • PYTHON: .py • BAT: .bat **Constraints**: The value can only be SHELL, PYTHON, or BAT. **Value range**: SHELL, PYTHON, or BAT. **Default value**: N/A.
content	Yes	String	**Definition**: Script content. **Constraints**: Script content of the corresponding language. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition**: Enterprise project ID. The preset value is 0. **Constraints**: Actual enterprise project ID. **Value range**: N/A. **Default value**: N/A.
script_params	No	Array of **ScriptParamDefine** objects	**Definition**: Input parameters of the script. **Constraints**: Number of parameters: 0–20 **Value range**: N/A. **Default value**: N/A.

Table 4-149 ScriptPropertiesModel

Parameter	Mandatory	Type	Description
risk_level	Yes	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: LOW, MEDIUM, or HIGH. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
version	Yes	String	**Definition**: Script version. **Constraints**: Format: 1.0.0 **Value range**: N/A. **Default value**: N/A.
reviewers	No	Array of **ReviewerInfo** objects	**Definition**: Reviewer. If this parameter is not specified, review is not required. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
protocol	No	String	**Definition**: Review message notification protocol, which is used to notify the reviewer. **Constraints**: • DEFAULT • SMS EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, and NOT_TO_NOTIFY. **Value range**: DEFAULT, SMS, EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, or NOT_TO_NOTIFY. **Default value**: N/A.

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Table 4-150 ReviewerInfo

Parameter	Mandatory	Type	Description
reviewer_name	Yes	String	**Definition**: Reviewer name (IAM username). **Constraints**: IAM username. **Value range**: N/A. **Default value**: N/A.
reviewer_id	Yes	String	**Definition**: Reviewer ID (IAM user ID). **Constraints**: IAM user ID. **Value range**: N/A. **Default value**: N/A.

Table 4-151 ScriptParamDefine

Parameter	Mandatory	Type	Description
param_name	Yes	String	**Definition**: Parameter name. **Constraints**: The parameter name can contain only letters, digits, and underscores (_). **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
param_value	Yes	String	**Definition**: Parameter value. **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:'',=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.
param_description	Yes	String	**Definition**: Parameter description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_order	Yes	Integer	**Definition**: Parameter sequence. This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
sensitive	Yes	Boolean	**Definition**: Whether a parameter is sensitive. **Constraints**: The value can be true or false. **Value range**: The value can be true or false. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-152 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Script ID returned by the system after a script is created. **Value range**: N/A.

Status code: 400

Table 4-153 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: See the error code section.
error_msg	String	**Definition**: Error description. **Value range**: See the error code section.

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Example Requests

Create a SHELL script and notify the reviewer via WeChat.

```
POST https://{Endpoint}/v1/job/scripts

{
  "type" : "SHELL",
  "content" : "echo ${value}",
  "name" : "09101112",
  "description" : "Instance script",
  "properties" : {
    "risk_level" : "HIGH",
    "version" : "1.0.0",
    "reviewers" : [ {
      "reviewer_name" : "test",
      "reviewer_id" : "7a8513cd87b7448283xxxxxxxxx"
    } ],
    "protocol" : "WECHAT"
  },
  "script_params" : [ {
    "param_name" : "a",
    "param_value" : "string",
    "param_description" : "string",
    "param_order" : 1,
    "sensitive" : true
  } ]
}
```

Example Responses

Status code: 200

The UUID of the created script is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : "SC2023102521xxxxxxxxxx"
}
```

Status code: 400

The contained error information is returned.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "COC.00040701",
  "error_msg" : "script_params size must be between 0 and 50"
}
```

Status Codes

Status Code	Description
200	The UUID of the created script is returned. For more status codes, see **Status Codes**.
400	The contained error information is returned. For more status codes, see **Status Codes**.

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Error Codes

See **Error Codes**.

4.2.1.2 Reviewing Scripts

Function

This API is used to review a script.

Constraints

The script can be reviewed only when the reviewer has been specified during script creation and the script is in the to-be-reviewed state.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:update	Write	document *	-	-	-

URI

POST /v1/job/scripts/{script_uuid}/action

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Table 4-154 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: UUID of the script to be reviewed. **Constraints**: UUID of the script returned when the script is created. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-155 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.

Table 4-156 Request body parameters

Parameter	Mandatory	Type	Description
status	Yes	String	**Definition**: Review status. **Constraints**: The value can be APPROVED or REJECTED. **Value range**: APPROVED or REJECTED. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
comments	No	String	**Definition**: Review comments. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-157 Response body parameters

Parameter	Type	Description
data	Boolean	**Definition**: Review result. **Value range**: The value can be true or false.

Example Requests

Approve the script.

```
POST https://{Endpoint}/v1/job/scripts/{script_uuid}/action

{
  "status" : "APPROVED",
  "comments" : "agree"
}
```

Example Responses

Status code: 200

The review result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : true
}
```

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Status Codes

Status Code	Description
200	The review result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.1.3 Querying Scripts

Function

This API is used to query the custom scripts.

Constraints

- The maximum of 100 scripts can be queried.
- The script risk level can only be LOW, MEDIUM, or HIGH.
- The script type can only be SHELL, PYTHON, or BAT.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:list	List	document *	-	-	-

URI

GET /v1/job/scripts

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Table 4-158 Query Parameters

Parameter	Mandatory	Type	Description
limit	Yes	Integer	**Definition**: Pagination parameter, which indicates the maximum number of records returned on each page. **Constraints**: The maximum value is 100. **Value range**: N/A. **Default value**: N/A.
marker	No	Long	**Definition**: Pagination parameter, which indicates ID of the last record on the previous page. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
name_like	No	String	**Definition**: Script name queried by fuzzy search. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
creator	No	String	**Definition**: Creator. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
risk_level	No	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: LOW, MEDIUM, or HIGH. **Default value**: N/A.
type	No	String	**Definition**: Script type. **Constraints**: The value can be SHELL, PYTHON, and BAT. **Value range**: SHELL, PYTHON, or BAT. **Default value**: N/A.
enterprise_project_id	No	String	**Definition**: Enterprise project ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-159 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-160 Response body parameters

Parameter	Type	Description
data	**ScriptListPage** object	**Definition**: Response body of the script list. **Value range**: N/A.

Table 4-161 ScriptListPage

Parameter	Type	Description
total	Long	**Definition**: Total number of records. **Value range**: N/A.
data	Array of **ScriptListModel** objects	**Definition**: Data listed on a single page. **Value range**: N/A.

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Table 4-162 ScriptListModel

Parameter	Type	Description
id	Long	**Definition**: Auto-added script ID. **Value range**: N/A.
script_uuid	String	**Definition**: Script UUID. **Value range**: N/A.
enterprise_project_id	String	**Definition**: Enterprise project ID. The preset value is 0. **Value range**: N/A.
name	String	**Definition**: Script name. **Value range**: N/A.
type	String	**Definition**: Script type. The value can be SHELL, PYTHON, and BAT. **Value range**: SHELL, PYTHON, or BAT.
status	String	**Definition**: Script status. The value can be PENDING_APPROVE, APPROVED, and REJECTED. **Value range**: PENDING_APPROVE, APPROVED, or REJECTED.
gmt_created	Long	**Definition**: Creation time. **Value range**: N/A.

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Parameter	Type	Description
gmt_modified	Long	**Definition**: Modification time. **Value range**: N/A.
creator	String	**Definition**: Creator. **Value range**: N/A.
creator_id	String	**Definition**: Creator ID. **Value range**: N/A.
operator	String	**Definition**: Modifier. **Value range**: N/A.
properties	**ScriptProperties-Model** object	**Definition**: Script label. Risk level (value range: LOW, MEDIUM, and HIGH) and reviewer are included. **Value range**: N/A.

Table 4-163 ScriptPropertiesModel

Parameter	Type	Description
risk_level	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: LOW, MEDIUM, or HIGH. **Default value**: N/A.

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Parameter	Type	Description
version	String	**Definition**: Script version. **Constraints**: Format: 1.0.0 **Value range**: N/A. **Default value**: N/A.
reviewers	Array of **ReviewerInfo** objects	**Definition**: Reviewer. If this parameter is not specified, review is not required. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
protocol	String	**Definition**: Review message notification protocol, which is used to notify the reviewer. **Constraints**: • DEFAULT • SMS EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, and NOT_TO_NOTIFY. **Value range**: DEFAULT, SMS, EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, or NOT_TO_NOTIFY. **Default value**: N/A.

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Table 4-164 ReviewerInfo

Parameter	Type	Description
reviewer_name	String	**Definition**: Reviewer name (IAM username). **Constraints**: IAM username. **Value range**: N/A. **Default value**: N/A.
reviewer_id	String	**Definition**: Reviewer ID (IAM user ID). **Constraints**: IAM user ID. **Value range**: N/A. **Default value**: N/A.

Status code: 400

Table 4-165 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: See the error code section.
error_msg	String	**Definition**: Error description. **Value range**: See the error code section.

Example Requests

Query the custom scripts.

```
GET https://{Endpoint}/v1/job/scripts?limit=100
```

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Example Responses

Status code: 200

Script pagination data is returned.

For more status codes, see "Status Codes" in coc_api_05_03.xml.


```
{
  "data" : {
    "total" : 70,
    "data" : [ {
      "id" : 6229,
      "name" : "Test 111",
      "type" : "SHELL",
      "creator" : "runbook_notif",
      "creator_id" : "e56462d17f334b8789ff0b5b9cca3bb9",
      "operator" : null,
      "gmt_created" : 1701314214271,
      "gmt_modified" : null,
      "status" : "APPROVED",
      "script_uuid" : "SC2023113011654023511657",
      "usage_count" : 0,
      "properties" : {
        "risk_level" : "HIGH",
        "reviewers" : [ ],
        "version" : "1.0.0",
        "protocol" : null
      },
      "enterprise_project_id" : 0
    }, {
      "id" : 6228,
      "name" : "Test 11",
      "type" : "SHELL",
      "creator" : "runbook_notif",
      "creator_id" : "e56462d17f334b8789ff0b5b9cca3bb9",
      "operator" : null,
      "gmt_created" : 1701314090063,
      "gmt_modified" : null,
      "status" : "APPROVED",
      "script_uuid" : "SC20231130111450026f7f8b2",
      "usage_count" : 0,
      "properties" : {
        "risk_level" : "LOW",
        "reviewers" : [ ],
        "version" : "1.0.0",
        "protocol" : null
      },
      "enterprise_project_id" : 0
    } ]
  }
}
```


Status code: 400

The contained error information is returned.

For more status codes, see **Status Codes**.


```
{
  "error_code" : "COC.00040701",
  "error_msg" : "error_msg"
}
```


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Status Codes

Status Code	Description
200	Script pagination data is returned. For more status codes, see **Status Codes**.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.1.4 Deleting a Customized Script

Function

This API is used to delete a custom script.

Constraints

- Only the scripts created by the current account can be deleted.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:delete	Write	document *	-	-	-

URI

DELETE /v1/job/scripts/{script_uuid}

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Table 4-166 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: Script UUID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-167 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-168 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID of the deleted script. **Value range**: N/A.

Status code: 400

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Table 4-169 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: See the error code section.
error_msg	String	**Definition**: Error description. **Value range**: See the error code section.

Example Requests

Delete a custom script.

```
DELETE https://{Endpoint}/v1/job/scripts/{script_uuid}
```

Example Responses

Status code: 200

The script UUID is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : "SC202506261xxxxxxx"
}
```

Status code: 400

The contained error information is returned.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "COC.00040701",
  "error_msg" : "error_msg"
}
```

Status Codes

Status Code	Description
200	The script UUID is returned. For more status codes, see **Status Codes**.
400	The contained error information is returned. For more status codes, see **Status Codes**.

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Error Codes

See **Error Codes**.

4.2.1.5 Obtaining Details About a Custom Script

Function

Test parameters are returned.

Constraints

Only the custom script details of the current account can be queried.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:get	Read	-	-	-	-

URI

GET /v1/job/scripts/{script_uuid}

Table 4-170 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: Script UUID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-171 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-172 Response body parameters

Parameter	Type	Description
data	ScriptDetailModel object	**Definition**: Detailed data of a custom script. **Value range**: N/A.

Table 4-173 ScriptDetailModel

Parameter	Type	Description
script_uuid	String	**Definition**: Script UUID. **Value range**: N/A.
name	String	**Definition**: Script name. **Value range**: N/A.

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Parameter	Type	Description
version	String	**Definition**: Script version. Constraint. This parameter will be discarded later and you are advised to not use this parameter. **Value range**: N/A.
description	String	**Definition**: Script description. **Value range**: N/A.
type	String	**Definition**: Script type. The value can be SHELL, PYTHON, and BAT. **Value range**: SHELL, PYTHON, or BAT.
content	String	**Definition**: Script content. **Value range**: N/A.
script_params	Array of **ScriptParamDefine** objects	**Definition**: Input parameters of the script. **Value range**: N/A.
status	String	**Definition**: Script status. The value can be PENDING_APPROVE, APPROVED, and REJECTED. **Value range**: PENDING_APPROVE, APPROVED, or REJECTED.

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Parameter	Type	Description
gmt_created	Long	**Definition**: Creation time. **Value range**: N/A.
gmt_modified	Long	**Definition**: Modification time. **Value range**: N/A.
creator	String	**Definition**: Creator. **Value range**: N/A.
creator_id	String	**Definition**: Creator ID. **Value range**: N/A.
operator	String	**Definition**: Modifier. **Value range**: N/A.
properties	**ScriptProperties-Model** object	**Definition**: Script label. Risk level (value range: LOW, MEDIUM, and HIGH), reviewer, and interpreter. **Value range**: N/A.
enterprise_project_id	String	**Definition**: Enterprise project ID. **Value range**: N/A.

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Table 4-174 ScriptParamDefine

Parameter	Type	Description
param_name	String	**Definition**: Parameter name. **Constraints**: The parameter name can contain only letters, digits, and underscores (_). **Value range**: N/A. **Default value**: N/A.
param_value	String	**Definition**: Parameter value. **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:",=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.
param_description	String	**Definition**: Parameter description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
param_order	Integer	**Definition**: Parameter sequence. This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
sensitive	Boolean	**Definition**: Whether a parameter is sensitive. **Constraints**: The value can be true or false. **Value range**: The value can be true or false. **Default value**: N/A.

Table 4-175 ScriptPropertiesModel

Parameter	Type	Description
risk_level	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: LOW, MEDIUM, or HIGH. **Default value**: N/A.

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Parameter	Type	Description
version	String	**Definition**: Script version. **Constraints**: Format: 1.0.0 **Value range**: N/A. **Default value**: N/A.
reviewers	Array of **ReviewerInfo** objects	**Definition**: Reviewer. If this parameter is not specified, review is not required. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
protocol	String	**Definition**: Review message notification protocol, which is used to notify the reviewer. **Constraints**: • DEFAULT • SMS EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, and NOT_TO_NOTIFY. **Value range**: DEFAULT, SMS, EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, or NOT_TO_NOTIFY. **Default value**: N/A.

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Table 4-176 ReviewerInfo

Parameter	Type	Description
reviewer_name	String	**Definition**: Reviewer name (IAM username). **Constraints**: IAM username. **Value range**: N/A. **Default value**: N/A.
reviewer_id	String	**Definition**: Reviewer ID (IAM user ID). **Constraints**: IAM user ID. **Value range**: N/A. **Default value**: N/A.

Example Requests

A request example for querying custom script details

```
GET https://{Endpoint}/v1/job/scripts/{script_uuid}
```

Example Responses

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : {
    "script_uuid" : "SC20230831110xxx",
    "name" : "testExxx",
    "description" : "Test xx is returned.",
    "type" : "SHELL",
    "content" : "echo \"${aaa}\"",
    "script_params" : [ {
      "param_name" : "value",
      "param_value" : "aaa",
      "param_description" : "Test parameters are returned.",
      "param_order" : 1,
      "sensitive" : false
    } ],
    "gmt_created" : 1686059454716,
    "gmt_modified" : 1745222192134,
    "status" : "APPROVED",
    "creator" : "COC-TEST",
```

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```
    "creator_id" : "1994a3ed905a47ad82c6xxxxxxx",
    "operator" : "COC-TEST",
    "properties" : {
      "risk_level" : "LOW",
      "version" : "1.0.0"
    },
    "enterprise_project_id" : 0
  }
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.1.6 Modifiying Scripts

Function

This APl is used to modify scripts.

Constraints

Constraints:

- Script name: The script name must be unique under the same tenant. The value can contain a maximum of 64 characters, including letters, digits, and underscores (_).
- The script content can contain a maximum of 4096 characters.
- A maximum of 20 script parameters are supported.
- Script Description: Enter a maximum of 256 characters.
- The name of a single parameter contains 64 characters, including only letters, digits, and underscores (_).
- The value of a parameter can contain a maximum of 1024 characters. The regular expression is ^((?!.{2,})[a-zA-Z0-9_-/.|*x20?:",=+@[{]}])*$.
- If the modified script has a reviewer, you need to select reviewers again after the modification.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.

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- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:update	Write	document *	-	-	-

URI

PUT /v1/job/scripts/{script_uuid}

Table 4-177 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: Script UUID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-178 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-179 Request body parameters

Parameter	Mandatory	Type	Description
description	Yes	String	**Definition**: Script description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
content	Yes	String	**Definition**: Script content. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
properties	No	**ScriptPropertiesModel** object	**Definition**: Script attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
script_params	No	Array of **ScriptParamDefine** objects	**Definition**: Input parameters of the script. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-180 ScriptPropertiesModel

Parameter	Mandatory	Type	Description
risk_level	Yes	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: LOW, MEDIUM, or HIGH. **Default value**: N/A.
version	Yes	String	**Definition**: Script version. **Constraints**: Format: 1.0.0 **Value range**: N/A. **Default value**: N/A.
reviewers	No	Array of **ReviewerInfo** objects	**Definition**: Reviewer. If this parameter is not specified, review is not required. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
protocol	No	String	**Definition**: Review message notification protocol, which is used to notify the reviewer. **Constraints**: • DEFAULT • SMS EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, and NOT_TO_NOTIFY. **Value range**: DEFAULT, SMS, EMAIL, DING_TALK, WE_LINK, WECHAT, CALLNOTIFY, or NOT_TO_NOTIFY. **Default value**: N/A.

Table 4-181 ReviewerInfo

Parameter	Mandatory	Type	Description
reviewer_name	Yes	String	**Definition**: Reviewer name (IAM username). **Constraints**: IAM username. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
reviewer_id	Yes	String	**Definition**: Reviewer ID (IAM user ID). **Constraints**: IAM user ID. **Value range**: N/A. **Default value**: N/A.

Table 4-182 ScriptParamDefine

Parameter	Mandatory	Type	Description
param_name	Yes	String	**Definition**: Parameter name. **Constraints**: The parameter name can contain only letters, digits, and underscores (_). **Value range**: N/A. **Default value**: N/A.
param_value	Yes	String	**Definition**: Parameter value. **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:'',=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
param_description	Yes	String	**Definition**: Parameter description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_order	Yes	Integer	**Definition**: Parameter sequence. This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
sensitive	Yes	Boolean	**Definition**: Whether a parameter is sensitive. **Constraints**: The value can be true or false. **Value range**: The value can be true or false. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-183 Response body parameters

Parameter	Type	Description
data	String	**Definition**: UUID of the script to be modified. **Value range**: N/A.

Status code: 400

Table 4-184 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: See the error code section.
error_msg	String	**Definition**: Error description. **Value range**: See the error code section.

Example Requests

Modify the example of the request body of the SHELL script.

```
PUT https://{Endpoint}/v1/job/scripts/SC2023110211155901a700000

{
  "type" : "SHELL",
  "content" : "echo ${a}",
  "name" : "019101112",
  "description" : "Modifying",
  "properties" : {
    "risk_level" : "HIGH",
    "version" : "1.1.1",
    "reviewers" : [ ]
  },
  "script_params" : [ {
    "param_name" : "a",
    "param_value" : "string",
    "param_description" : "string",
    "param_order" : 1,
    "sensitive" : true
  } ]
}
```

Example Responses

Status code: 200

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The script UUID is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : "SC2023110211155901axxxxxx"
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "COC.00040701",
  "error_msg" : "error_msg"
}
```

Status Codes

Status Code	Description
200	The script UUID is returned. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.1.7 Executing Customized Scripts

Function

This API is used to execute a custom script.

Constraints

Constraints:

- A maximum of 20 script input parameters are supported.
- A maximum of 200 hosts can be delivered at a time.
- A maximum of 10 hosts can be contained in a batch.
- A maximum of 20 batches are allowed.
- The maximum size of logs generated by the script can only be 1 MB.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

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- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:executeDocument	Write	document *	-	-	-
		instance *	-		

URI

POST /v1/job/scripts/{script_uuid}

Table 4-185 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: Script UUID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-186 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-187 Request body parameters

Parameter	Mandatory	Type	Description
execute_param	Yes	**ScriptExecuteParam** object	**Definition**: Script execution parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
execute_batches	Yes	Array of **ExecuteInstancesBatchInfo** objects	**Definition**: Batch information of the target instance **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-188 ScriptExecuteParam

Parameter	Mandatory	Type	Description
resourceful	No	Boolean	**Definition**: This parameter has been discarded and does not take effect when it is transferred. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
timeout	Yes	Integer	**Definition**: Timeout. **Constraints**: The unit is second. The value range is 5 < timeout < 1800. **Value range**: N/A. **Default value**: N/A.
success_rate	Yes	Double	**Definition**: Success rate. **Constraints**: A value with one decimal place is supported. **Value range**: 1–100 **Default value**: N/A.
execute_user	Yes	String	**Definition**: User who executes the script. The script must be executed by user root. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
script_params	No	Array of **ScriptExecuteInputParam** objects	**Definition**: Script input parameters. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-189 ScriptExecuteInputParam

Parameter	Mandatory	Type	Description
param_name	Yes	String	**Definition**: Name of a script input parameter. The parameter name must be unique in the same script. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
param_value	Yes	String	**Definition**: Value of the script input parameter, which is mandatory by default. This parameter can be left empty when there are referenced parameters (param_refer is not empty). **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:'',=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.
param_order	No	Integer	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_refer	No	**ScriptExecuteParamReference** object	**Definition**: Parameter reference. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-190 ScriptExecuteParamReference

Parameter	Mandatory	Type	Description
refer_type	Yes	String	**Definition**: Parameter reference type: PARAM_STORE **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_id	Yes	String	**Definition**: Unique primary key ID of a referenced parameter. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: N/A. **Default value**: N/A.
param_version	No	String	**Definition**: Version of the reference parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-191 ExecuteInstancesBatchInfo

Parameter	Mandatory	Type	Description
batch_index	Yes	Integer	**Definition**: Batch index, starting from 1. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
target_instances	Yes	Array of **ExecuteResourceInstance** objects	**Definition**: Target nodes. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
rotation_strategy	Yes	String	**Definition**: Policy for determining whether to pause or continue an execution **Constraints**: The value can be CONTINUE or PAUSE. **Value range**: CONTINUE or PAUSE. **Default value**: N/A.

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Table 4-192 ExecuteResourceInstance

Parameter	Mandatory	Type	Description
resource_id	Yes	String	**Definition**: ECS ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region_id	Yes	String	**Definition**: Region to which the server belongs. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
provider	No	String	**Definition**: Resource provider: ECS. If this parameter is not specified, the default value ECS is used. Ensure that the provider of each instance is the same. CCE instances will be supported later. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Resource type of the resource provider. If this parameter is not specified, CLOUDSERVER is used by default. CLOUDSERVER: Cloud server type. **Constraints**: Cross-type support is not allowed. **Value range**: N/A. **Default value**: N/A.
custom_attributes	No	Array of **Customttribute** objects	**Definition**: Custom attributes in the key_value format. A maximum of five attributes can be customized. **Constraints**: The length of the key is 10. The length of the value is 20. The maximum length of the map is 5. Do not enter sensitive data. **Value range**: N/A. **Default value**: N/A.
agent_sn	No	String	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
project_id	No	String	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-193 Customttribute

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition**: Key of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	Yes	String	**Definition**: Value of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-194 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Execution UUID. **Value range**: N/A.

Status code: 204

Table 4-195 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: See the error code section.
error_msg	String	**Definition**: Error description. **Value range**: See the error code section.

Example Requests

Request parameters for executing a script

```
POST https://{Endpoint}/v1/job/scripts/{script_uuid}

{
  "execute_param" : {
    "timeout" : 300,
    "execute_user" : "root",
    "success_rate" : "100.0",
    "script_params" : [ {
      "param_name" : "a",
      "param_value" : "key1",
      "param_order" : 1
    } ]
  },
  "execute_batches" : [ {
    "batch_index" : 1,
    "rotation_strategy" : "CONTINUE",
    "target_instances" : [ {
      "resource_id" : "resource_id",
      "agent_sn" : "agent_sn",
      "agent_status" : "ONLINE",
      "region_id" : "****",
      "project_id" : "project_id"
    } ]
  } ]
}
```

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Example Responses

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : "SCT2023083109562601axxxxx"
}
```

Status code: 204

The contained error information is returned.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "COC.00040701",
  "error_msg" : "error_msg"
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.
204	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.1.8 Evaluating Risk Level of Scripts

Function

This API is used to evaluate risks of a job based on the job content. The analysis is only for reference.

High-risk commands affect the normal running of the system or services, or cause special system files to be maliciously deleted or modified.

High-risk command detection checks whether the script content contains high-risk commands or not based on the regular expressions in the check rules.

Constraints

Risk level: LOW, MEDIUM, and HIGH

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:analyzeRisk	Read	-	-	-	-

URI

POST /v1/job/analyze-job

Request Parameters

Table 4-196 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-197 Request body parameters

Parameter	Mandatory	Type	Description
content	Yes	String	**Definition**: Script content. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-198 Response body parameters

Parameter	Type	Description
data	**data** object	**Definition**: Return data. **Value range**: N/A.

Table 4-199 data

Parameter	Type	Description
risk_level	String	**Definition**: Risk level. **Value range**: N/A.
blacklist_commands	Array of **blacklist_commands** objects	**Definition**: Blacklist. **Value range**: N/A.

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Table 4-200 blacklist_commands

Parameter	Type	Description
command_name	String	**Definition**: Command. **Value range**: N/A.
command_rule	String	**Definition**: Matching rules. **Value range**: N/A.
example	String	**Definition**: Instance. **Value range**: N/A.
description_en	String	**Definition**: Blacklist command description in English. **Value range**: N/A.
description_zh	String	**Definition**: Blacklist command description in Chinese. **Value range**: N/A.

Example Requests

Evaluate the risk level of the script content.

```
POST https://{Endpoint}/v1/job/analyze-job

{
  "content" : "#!/bin/bash\necho 123\nrm -f /"
}
```

Example Responses

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : {
    "risk_level" : "HIGH",
```

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```
    "blacklist_commands" : [ {
      "command_name" : "rm command",
      "command_rule" : "\\s*rm\\s+.*",
      "example" : "rm test.txt ",
      "description_en" : "The rm command is included, special system files may be maliciously deleted or
modified.",
      "description_zh" : "If a command contains rm, special system files may be maliciously deleted or
modified."
    } ]
  }
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.1.9 Obtaining the Automatic Batching Result

Function

This API is used to obtain the batching result based on the batching policy. Only automatic batching is supported.

Constraints

Constraints:

- All instances in a batch must belong to the same region.
- All instances in a batch must be in the same AZ.
- All instances in a batch must belong to the same application.
- A maximum of 50/ %instances in a batch can belong to the same group (except that there is only one instance in a group).
- The number of nodes in each of the first three batches cannot exceed 10.
- The number of instances in each batch cannot exceed 10.
- The total number of hosts is 200.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.

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- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:autoBatchInstances	Write	-	-	-	-

URI

POST /v1/instances/batches

Request Parameters

Table 4-201 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-202 Request body parameters

Parameter	Mandatory	Type	Description
batch_strategy	Yes	String	**Definition**: Batch policy. Only AUTO_BATCH (automatic batching) is supported. **Constraints**: AUTO_BATCH: automatic batching **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
target_instances	Yes	Array of **ResourceInstance** objects	**Definition**: Target host instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-203 ResourceInstance

Parameter	Mandatory	Type	Description
resource_id	Yes	String	**Definition**: Unique ID of an instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
provider	Yes	String	**Definition**: Resource provider: ECS. For a single script ticket, the provider of each instance is the same. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
region_id	Yes	String	**Definition**: ID of the region to which the host belongs. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
type	Yes	String	**Definition**: Resource type of the resource provider. If this parameter is not specified, CLOUDSERVER is used by default. CLOUDSERVER: Cloud server type. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
custom_attributes	No	Array of **Customttribute** objects	**Definition**: Custom attributes in the key_value format. A maximum of five attributes can be customized. **Constraints**: The length of the key is 10. The length of the value is 20. The maximum length of the map is 5. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
agent_sn	No	String	**Definition**: Agent management ID. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
agent_status	No	String	**Definition**: Agent management status. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
properties	No	**ResourceInstanceProp** object	**Definition**: Additional attributes of a host. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-204 Customttribute

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition**: Key of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	Yes	String	**Definition**: Value of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-205 ResourceInstanceProp

Parameter	Mandatory	Type	Description
host_name	Yes	String	**Definition**: The host name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
fixed_ip	Yes	String	**Definition**: Private IP address. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
floating_ip	No	String	**Definition**: Elastic IP address. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region_id	Yes	String	**Definition**: Region. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
zone_id	Yes	String	**Definition**: AZ. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
application	No	String	**Definition**: CloudCMDB application. This parameter has a value only in the CloudCMDB application view, which is similar to the cloud services on the management plane. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
group	No	String	**Definition**: CloudCMDB group. This parameter has a value only in the CloudCMDB application view, which is similar to the schema of the management plane. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
project_id	No	String	**Definition**: Project ID of the instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-206 Response body parameters

Parameter	Type	Description
data	Array of **InstancesBatchResultMode** objects	**Definition**: Batch result. **Value range**: N/A.

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Table 4-207 InstancesBatchResultMode

Parameter	Type	Description
batch_index	Integer	**Definition**: Batch ID. **Value range**: N/A.
target_instances	Array of **ResourceInstance** objects	**Definition**: Hosts in the current batch. **Value range**: N/A.

Table 4-208 ResourceInstance

Parameter	Type	Description
resource_id	String	**Definition**: Unique ID of an instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
provider	String	**Definition**: Resource provider: ECS. For a single script ticket, the provider of each instance is the same. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
region_id	String	**Definition**: ID of the region to which the host belongs. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
type	String	**Definition**: Resource type of the resource provider. If this parameter is not specified, CLOUDSERVER is used by default. CLOUDSERVER: Cloud server type. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
custom_attributes	Array of **Customttribute** objects	**Definition**: Custom attributes in the key_value format. A maximum of five attributes can be customized. **Constraints**: The length of the key is 10. The length of the value is 20. The maximum length of the map is 5. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
agent_sn	String	**Definition**: Agent management ID. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
agent_status	String	**Definition**: Agent management status. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
properties	**ResourceInstanceProp** object	**Definition**: Additional attributes of a host. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-209 Customttribute

Parameter	Type	Description
key	String	**Definition**: Key of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	String	**Definition**: Value of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-210 ResourceInstanceProp

Parameter	Type	Description
host_name	String	**Definition**: The host name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
fixed_ip	String	**Definition**: Private IP address. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
floating_ip	String	**Definition**: Elastic IP address. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region_id	String	**Definition**: Region. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
zone_id	String	**Definition**: AZ. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
application	String	**Definition**: CloudCMDB application. This parameter has a value only in the CloudCMDB application view, which is similar to the cloud services on the management plane. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
group	String	**Definition**: CloudCMDB group. This parameter has a value only in the CloudCMDB application view, which is similar to the schema of the management plane. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
project_id	String	**Definition**: Project ID of the instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Example Requests

Obtain the automatic batching results.

```
POST https://{Endpoint}/v1/instances/batches

{
  "batch_strategy" : "AUTO_BATCH",
  "target_instances" : [ {
    "resource_id" : "7c118539-15ab-41d3-9xxxxxxxxx",
    "region_id" : "xxx",
    "provider" : "ECS",
    "type" : "CLOUDSERVERS",
    "agent_sn" : "705c526eb7774c51b321xxxxxxxxx",
    "agent_status" : "ONLINE",
    "node_id" : "",
    "enterprise_project_id" : "0",
    "properties" : {
      "host_name" : "ecs-0001",
      "fixed_ip" : "192.168.xx.xx",
      "region_id" : "xxx",
      "zone_id" : "xxx",
      "project_id" : "10a6c23c2a1xxxxxxxxxxxx"
    }
  } ]
}
```

Example Responses

Status code: 200

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Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : [ {
    "batch_index" : 1,
    "target_instances" : [ {
      "resource_id" : "7c118539-15ab-41d3xxxxxxxxxx",
      "agent_sn" : "705c526eb7774c51b32xxxxxxxxxx",
      "agent_status" : "ONLINE",
      "provider" : "ECS",
      "type" : "CLOUDSERVERS",
      "properties" : {
        "host_name" : "ecs-0001",
        "fixed_ip" : "192.168.xx.xx",
        "floating_ip" : null,
        "region_id" : "xxx",
        "zone_id" : "xxx",
        "application" : null,
        "group" : null,
        "project_id" : "10a6c23c2a10xxxxxxxxxx"
      }
    } ]
  } ]
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.2 Script Tickets

4.2.2.1 Displaying Basic Information about Script Service Tickets

Function

This API is used to query the basic execution information about the script service ticket.

Constraints

Returned information: execution type, execution name, creator, creation time, end time, execution status, and tag (script ID, script name, script execution parameters, execution user, timeout duration, and success rate threshold).

The key in consumption labels of different task types is different.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:job:get	Read	job *	-	-	-
		-	coc:JobType		

URI

GET /v1/job/script/orders/{execute_uuid}

Table 4-211 Path Parameters

Parameter	Mandatory	Type	Description
execute_uuid	Yes	String	**Definition**: Execution ID of a script service ticket, which is obtained from the response bodies of executeJobScript and ListJobScriptOrders. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-212 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-213 Response body parameters

Parameter	Type	Description
data	**JobScriptOrderInfoModel** object	**Definition**: Returned result. **Value range**: N/A.

Table 4-214 JobScriptOrderInfoModel

Parameter	Type	Description
execute_uuid	String	**Definition**: Execution UUID. **Value range**: N/A.
gmt_created	Long	**Definition**: Execution creation time. **Value range**: N/A.
gmt_finished	Long	**Definition**: Execution completion time. **Value range**: N/A.

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Parameter	Type	Description
execute_costs	Long	**Definition**: Execution duration, in seconds. **Value range**: N/A.
creator	String	**Definition**: Creator. **Value range**: N/A.
status	String	**Definition**: Execution status. **Value range**: The value can be READY, PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED.
properties	**JobScriptOrderInfoProp** object	**Definition**: Attributes, including script ID, script name, script execution parameters, execution user, timeout interval, success rate threshold, and index of the current execution batch. **Value range**: N/A.

Table 4-215 JobScriptOrderInfoProp

Parameter	Type	Description
script_uuid	String	**Definition**: Script UUID. **Value range**: N/A.
script_name	String	**Definition**: Script name. **Value range**: N/A.

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Parameter	Type	Description
script_version_uuid	Long	**Definition**: Script version UUID. **Value range**: N/A.
script_version_name	String	**Definition**: Script version name. **Value range**: N/A.
current_execute_batch_index	Integer	**Definition**: Index of the current execution batch. **Value range**: N/A.
execute_param	**ScriptExecuteParam** object	**Definition**: Script execution parameters, execution user, timeout interval, and success rate threshold. **Value range**: N/A.

Table 4-216 ScriptExecuteParam

Parameter	Type	Description
resourceful	Boolean	**Definition**: This parameter has been discarded and does not take effect when it is transferred. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
timeout	Integer	**Definition**: Timeout. **Constraints**: The unit is second. The value range is 5 < timeout < 1800. **Value range**: N/A. **Default value**: N/A.
success_rate	Double	**Definition**: Success rate. **Constraints**: A value with one decimal place is supported. **Value range**: 1–100 **Default value**: N/A.
execute_user	String	**Definition**: User who executes the script. The script must be executed by user root. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
script_params	Array of **ScriptExecuteInputParam** objects	**Definition**: Script input parameters. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-217 ScriptExecuteInputParam

Parameter	Type	Description
param_name	String	**Definition**: Name of a script input parameter. The parameter name must be unique in the same script. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_value	String	**Definition**: Value of the script input parameter, which is mandatory by default. This parameter can be left empty when there are referenced parameters (param_refer is not empty). **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:",=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.
param_order	Integer	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
param_refer	ScriptExecuteParamReference object	**Definition**: Parameter reference. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-218 ScriptExecuteParamReference

Parameter	Type	Description
refer_type	String	**Definition**: Parameter reference type: PARAM_STORE **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_id	String	**Definition**: Unique primary key ID of a referenced parameter. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
param_version	String	**Definition**: Version of the reference parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Example Requests

Display basic information about a script service ticket.

```
GET https://{Endpoint}/v1/job/script/orders/{execute_uuid}
```

Example Responses

Status code: 200

Execution basic information is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : {
    "execute_uuid" : "SCT2023102211473xxxxxxxxxx",
    "gmt_created" : 1697946452186,
    "gmt_finished" : 1697946763469,
    "execute_costs" : 311282,
    "creator" : "xxxxxxxxxxxcontainer1",
    "status" : "CANCELED",
    "properties" : {
      "script_uuid" : "SC2023101717xxxxxxxxxxxx",
      "script_name" : "xjptxxxxxxxx",
      "current_execute_batch_index" : 1,
      "execute_param" : {
        "resourceful" : true,
        "timeout" : 300,
        "execute_user" : "root",
        "success_rate" : 100,
        "script_params" : [ ]
      },
      "script_source" : "CUSTOM_SCRIPT"
    }
  }
}
```

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Status Codes

Status Code	Description
200	Execution basic information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.2.2 Displaying the Service Ticket Batches

Function

This API is used to query the batch list of service tickets.

Constraints

Constraints:

- All instances in a batch must belong to the same region.
- All instances in a batch must be in the same AZ.
- All instances in a batch must belong to the same application.
- A maximum of 50/ %instances in a batch can belong to the same group (except that there is only one instance in a group).
- The number of nodes in each of the first three batches cannot exceed 10.
- The number of instances in each batch cannot exceed 10.
- The total number of hosts is 200.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:job:get	Read	job *	-	-	-
		-	coc:JobType		

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URI

GET /v1/job/script/orders/{execute_uuid}/batches

Table 4-219 Path Parameters

Parameter	Mandatory	Type	Description
execute_uuid	Yes	String	**Definition**: Execution ID of a script service ticket, which is obtained from the response bodies of executeJobScript and ListJobScriptOrders. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-220 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-221 Response body parameters

Parameter	Type	Description
data	Array of **JobScriptBatchListModel** objects	**Definition**: Batch list. **Value range**: N/A.

Table 4-222 JobScriptBatchListModel

Parameter	Type	Description
batch_index	Integer	**Definition**: Batch index, starting from 1. **Value range**: N/A.
total_instances	Integer	**Definition**: Number of instance nodes in a batch. **Value range**: N/A.
rotation_strategy	String	**Definition**: Policy for determining whether to pause or continue an execution **Value range**: The value can be CONTINUE or PAUSE.
properties	String	**Definition**: Batch label. **Value range**: N/A.

Example Requests

Display the service ticket batches.

```
GET https://{Endpoint}/v1/job/script/orders/{execute_uuid}/batches
```

Example Responses

Status code: 200

Request result is returned.

For more status codes, see "Status Codes" in coc_api_05_03.xml.

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```
{
  "data" : [ {
    "batch_index" : 1,
    "total_instances" : 1,
    "rotation_strategy" : "CONTINUE",
    "properties" : null
  } ]
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.2.3 Displaying Instance Status Statistics

Function

This API is used to query the instance execution status statistics of a specified service ticket.

Constraints

Query the real-time execution status of instances in a service ticket.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:job:get	Read	job *	-	-	-
		-	coc:JobType		

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URI

GET /v1/job/script/orders/{execute_uuid}/statistics

Table 4-223 Path Parameters

Parameter	Mandatory	Type	Description
execute_uuid	Yes	String	**Definition**: Execution ID of a script service ticket, which is obtained from the response bodies of executeJobScript and ListJobScriptOrders. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-224 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-225 Response body parameters

Parameter	Type	Description
data	**JobScriptOrderStatisticsModel** object	**Definition**: Instance status statistics. **Value range**: N/A.

Table 4-226 JobScriptOrderStatisticsModel

Parameter	Type	Description
total_instance	Integer	**Definition**: Total instances. **Value range**: N/A.
execute_statistics	Array of **ExectuionStatistic** objects	**Definition**: Status count, which records the total instances in the status and the batches that contain the status. **Value range**: N/A.

Table 4-227 ExectuionStatistic

Parameter	Type	Description
instance_status	String	**Definition**: Status of an execution instance. **Value range**: N/A.
instance_count	Integer	**Definition**: Number of instances executed in the status. **Value range**: N/A.
batch_indexes	Array of integers	**Definition**: Batch index list in the status. **Value range**: N/A.

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Example Requests

Query the instance status statistics of a specified service ticket.

```
GET https://{Endpoint}/v1/job/script/orders/{execute_uuid}/statistics
```

Example Responses

Status code: 200

The instance status statistics are returned.

For more status codes, see **Status Codes**.

```
{
  "data" : {
    "total_instance" : 1,
    "execute_statistics" : [ {
      "instance_status" : "READY",
      "instance_count" : 0,
      "batch_indexes" : [ ]
    }, {
      "instance_status" : "PROCESSING",
      "instance_count" : 0,
      "batch_indexes" : [ ]
    }, {
      "instance_status" : "ABNORMAL",
      "instance_count" : 0,
      "batch_indexes" : [ ]
    }, {
      "instance_status" : "CANCELED",
      "instance_count" : 1,
      "batch_indexes" : [ 1 ]
    }, {
      "instance_status" : "FINISHED",
      "instance_count" : 0,
      "batch_indexes" : [ ]
    } ]
  }
}
```

Status Codes

Status Code	Description
200	The instance status statistics are returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.2.4 Displaying the Script Tickets

Function

This API is used to query the job service ticket list, by page.

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Constraints

Query criteria: creation start time, creation end time, and creator.

Returned information: ID, script name, region, creator, creation time, end time, total duration, and status

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:job:list	List	job *	-	-	-
		-	coc:JobType		

URI

GET /v1/job/script/orders

Table 4-228 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Pagination parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
marker	No	Long	**Definition**: Pagination parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
start_time	No	Long	**Definition**: Creation start time. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
end_time	No	Long	**Definition**: Creation end time. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
creator	No	String	**Definition**: Creator. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
status	No	String	**Definition**: Service ticket status. **Constraints**: PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED. **Value range**: PROCESSING, ABNORMAL, PAUSED, CANCELED, or FINISHED. **Default value**: N/A.
name_like	No	String	**Definition**: Service ticket name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-229 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-230 Response body parameters

Parameter	Type	Description
data	**JobScriptOrderListPage** object	**Definition**: Service ticket list. **Value range**: N/A.

Table 4-231 JobScriptOrderListPage

Parameter	Type	Description
total	Long	**Definition**: Total number of records. **Value range**: N/A.
data	Array of **JobScriptOrderListModel** objects	**Definition**: Data listed on a single page. **Value range**: N/A.

Table 4-232 JobScriptOrderListModel

Parameter	Type	Description
order_id	Long	**Definition**: Primary key ID, corresponding to the primary key of job_order_do. **Value range**: N/A.
order_name	String	**Definition**: Service ticket name. **Value range**: N/A.
execute_uuid	String	**Definition**: This UUID is used when the details page is redirected from the list, whose value is corresponds to execute_uuid of execute_data_do. **Value range**: N/A.

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Parameter	Type	Description
gmt_created	Long	**Definition**: Creation time. **Value range**: N/A.
gmt_finished	Long	**Definition**: Completion time. **Value range**: N/A.
execute_costs	Long	**Definition**: Execution duration, in seconds. **Value range**: N/A.
creator	String	**Definition**: Creator. **Value range**: N/A.
status	String	**Definition**: Service ticket status. **Value range**: The value can be READY, PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED.
properties	**JobScriptOrderListProp** object	**Definition**: Label, including region and other information. **Value range**: N/A.

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Table 4-233 JobScriptOrderListProp

Parameter	Type	Description
region_ids	String	**Definition**: ID of the region where the CloudCMDB service instances are deployed. There may be multiple region IDs. **Value range**: N/A.

Example Requests

Display the script service tickets.

```
GET https://{Endpoint}/v1/job/script/orders
```

Example Responses

Status code: 200

Executed pagination data is returned.

For more status codes, see **Status Codes**.


```
{
  "data": {
    "total": 222,
    "data": [
      {
        "order_id": 74,
        "order_name": "071201",
        "execute_uuid": "SCT20230724201xxxxxxxxxxx",
        "gmt_created": 1690200829451,
        "gmt_finished": 1690200850293,
        "execute_costs": 20842,
        "creator": "xxxxxxxxxxxcontainer1",
        "status": "CANCELED",
        "properties": {
          "region_ids": "***"
        }
      },
      {
        "order_id": 73,
        "order_name": "071201",
        "execute_uuid": "SCT2023072411xxxxxxxxxxxx",
        "gmt_created": 1690168434460,
        "gmt_finished": 1690168443277,
        "execute_costs": 8817,
        "creator": "xxxxxxxxxxxcontainer1",
        "status": "FINISHED",
        "properties": {
          "region_ids": "***"
        }
      },
      {
        "order_id": xx,
        "order_name": "xxx",
        "execute_uuid": "SCT2023072217181xxxxxxxxxx",
        "gmt_created": 1690017490247,
```


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```
            "gmt_finished": null,
            "execute_costs": null,
            "creator": "xxxxxxxxxxxcontainer1",
            "status": "ABNORMAL",
            "properties": {
               "region_ids": "***"
            }
         },
         {
            "order_id": 71,
            "order_name": "patch_730",
            "execute_uuid": "SCT2023071915xxxxxxxxxxxxx",
            "gmt_created": 1689753553241,
            "gmt_finished": 1689753579363,
            "execute_costs": 26122,
            "creator": "xxxxxxxxxxxcontainer1",
            "status": "FINISHED",
            "properties": {
               "region_ids": "***"
            }
         },
         {
            "order_id": 70,
            "order_name": "111",
            "execute_uuid": "SCT2023071915xxxxxxxxxxxxx",
            "gmt_created": 1689751168547,
            "gmt_finished": null,
            "execute_costs": null,
            "creator": "xxxxxxxxxxxcontainer1",
            "status": "ABNORMAL",
            "properties": {
               "region_ids": "***"
            }
         }
      ]
   }
}
```


Status Codes

Status Code	Description
200	Executed pagination data is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.2.5 Displaying the Batch Details of a Service Ticket

Function

This API is used to query batch details, which is used to obtain the instance list in a batch by page.

Constraints

Filter criteria: pagination parameter.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:job:get	Read	job *	-	-	-
		-	coc:JobType		

URI

GET /v1/job/script/orders/{execute_uuid}/batches/{batch_index}

Table 4-234 Path Parameters

Parameter	Mandatory	Type	Description
batch_index	Yes	Integer	**Definition**: Batch index. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
execute_uuid	Yes	String	**Definition**: Execution ID of a script service ticket, which is obtained from the response bodies of executeJobScript and ListJobScriptOrders. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-235 Query Parameters

Parameter	Mandatory	Type	Description
status	No	String	**Definition**: Instance execution status. **Constraints**: The value can be READY, PROCESSING, ABNORMAL, CANCELED, and FINISHED. **Value range**: READY, PROCESSING, ABNORMAL, CANCELED, or FINISHED. **Default value**: N/A.
limit	Yes	Integer	**Definition**: Pagination parameter, which indicates the maximum number of records returned on each page. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
marker	No	Long	**Definition**: Pagination parameter, which indicates ID of the last record on the previous page. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-236 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-237 Response body parameters

Parameter	Type	Description
data	**JobScriptBatchDetailModel** object	**Definition**: Response body of batch details. **Value range**: N/A.

Table 4-238 JobScriptBatchDetailModel

Parameter	Type	Description
batch_index	Integer	**Definition**: Batch index, starting from 1. **Value range**: N/A.
total_instances	Integer	**Definition**: Number of instances executed in a batch. **Value range**: N/A.
execute_instances	Array of **ExectionInstanceModel** objects	**Definition**: Instances of execution, by page. **Value range**: N/A.

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Table 4-239 ExectionInstanceModel

Parameter	Type	Description
id	Long	**Definition**: Primary key ID. **Value range**: N/A.
target_instance	**ResourceInstance** object	**Definition**: Target instance. **Value range**: N/A.
gmt_created	Long	**Definition**: Creation time. **Value range**: N/A.
gmt_finished	Long	**Definition**: Completion time. **Value range**: N/A.
execute_costs	Long	**Definition**: Duration consumed, in seconds. **Value range**: N/A.
status	String	**Definition**: Instance execution status. **Value range**: The value can be READY, PROCESSING, ABNORMAL, CANCELED, FINISHED, or ROLLED BACK.
message	String	**Definition**: Execution logs of an instance. **Value range**: N/A.

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Table 4-240 ResourceInstance

Parameter	Type	Description
resource_id	String	**Definition**: Unique ID of an instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
provider	String	**Definition**: Resource provider: ECS. For a single script ticket, the provider of each instance is the same. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region_id	String	**Definition**: ID of the region to which the host belongs. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
type	String	**Definition**: Resource type of the resource provider. If this parameter is not specified, CLOUDSERVER is used by default. CLOUDSERVER: Cloud server type. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
custom_attributes	Array of **Customttribute** objects	**Definition**: Custom attributes in the key_value format. A maximum of five attributes can be customized. **Constraints**: The length of the key is 10. The length of the value is 20. The maximum length of the map is 5. **Value range**: N/A. **Default value**: N/A.
agent_sn	String	**Definition**: Agent management ID. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
agent_status	String	**Definition**: Agent management status. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
properties	ResourceInstanceProp object	**Definition**: Additional attributes of a host. This parameter will be discarded. Do not use it. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-241 Customttribute

Parameter	Type	Description
key	String	**Definition**: Key of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	String	**Definition**: Value of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-242 ResourceInstanceProp

Parameter	Type	Description
host_name	String	**Definition**: The host name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
fixed_ip	String	**Definition**: Private IP address. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
floating_ip	String	**Definition**: Elastic IP address. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region_id	String	**Definition**: Region. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
zone_id	String	**Definition**: AZ. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
application	String	**Definition**: CloudCMDB application. This parameter has a value only in the CloudCMDB application view, which is similar to the cloud services on the management plane. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
group	String	**Definition**: CloudCMDB group. This parameter has a value only in the CloudCMDB application view, which is similar to the schema of the management plane. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
project_id	String	**Definition**: Project ID of the instance. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Example Requests

Display the batch details of a service ticket.

```
GET https://{Endpoint}/v1/job/script/orders/{execute_uuid}/batches/{batch_index}
```

Example Responses

Status code: 200

The result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : {
    "batch_index" : 1,
    "total_instances" : 1,
    "execute_instances" : [ {
      "id" : 1588,
      "target_instance" : {
        "resource_id" : "resource_id",
        "agent_sn" : "agent_sn",
        "agent_status" : null,
        "region_id" : null,
        "project_id" : null,
        "properties" : {
          "host_name" : "host_name",
          "fixed_ip" : "x.x.x.x",
          "floating_ip" : null,
          "region_id" : "***",
          "zone_id" : "***",
          "application" : null,
          "group" : null,
          "project_id" : null
        }
      },
      "gmt_created" : 1697946452436,
      "gmt_finished" : 1697946763467,
      "execute_costs" : 311031,
      "status" : "CANCELED",
      "message" : "Script execution result"
    } ]
  }
}
```

Status Codes

Status Code	Description
200	The result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

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4.2.2.6 Operation Script Service Ticket

Function

This API is used to execute the script service ticket.

Constraints

Operation type. You can cancel an instance, skip a batch, cancel a service ticket, suspend a service ticket, or continue a service ticket.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:job:action	Write	job *	-	-	-
		-	coc:JobType		

URI

PUT /v1/job/script/orders/{execute_uuid}/operation

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Table 4-243 Path Parameters

Parameter	Mandatory	Type	Description
execute_uuid	Yes	String	**Definition**: Execution ID of a script service ticket, which is obtained from the response bodies of executeJobScript and ListJobScriptOrders. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-244 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-245 Request body parameters

Parameter	Mandatory	Type	Description
batch_index	No	Integer	**Definition**: Batch ID, which is applicable to batch operations. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
instance_id	No	Long	**Definition**: This parameter is used for instance operations. The value is not the same as the ID in script_execute_instance_do. Therefore, you need to add a field. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
operation_type	Yes	String	**Definition**: Operation type. You can cancel an instance, skip a batch, cancel a service ticket, suspend a service ticket, or continue a service ticket. The value can be CANCEL_INSTANCE, SKIP_BATCH, CANCEL_ORDER, PAUSE_ORDER, CONTINUE_ORDER, **Value range**: CANCEL_INSTANCE, SKIP_BATCH, CANCEL_ORDER, PAUSE_ORDER, or CONTINUE_ORDER. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-246 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Execution UUID of the service ticket to be updated. **Value range**: N/A.

Example Requests

Cancel the execution of a single instance in a service ticket.

```
PUT https://{Endpoint}/v1/job/script/orders/{execute_uuid}/operation

{
  "instance_id": 510450xxx,
  "operation_type": "CANCEL_INSTANCE"
}
```

Example Responses

Status code: 200

The executed service ticket is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : "SCT202312111954xxxxxx"
}
```

Status Codes

Status Code	Description
200	The executed service ticket is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.3 Public Scripts

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4.2.3.1 Obtaining the Public Script List

Function

This API is used to obtain the public scripts.

Constraints

- The maximum of 100 scripts can be queried.
- The script risk level can only be LOW, MEDIUM, or HIGH.
- The script type can only be SHELL, PYTHON, or BAT.
- The result pagination uses both limit and marker to improve pagination efficiency.
- Use the auto-addition ID as the marker parameter.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:list	List	document *	-	-	-

URI

GET /v1/job/public-scripts

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Table 4-247 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Pagination parameter, which indicates the maximum number of records returned on each page. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
marker	No	Long	**Definition**: Pagination parameter, which indicates ID of the last record on the previous page. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
name_like	No	String	**Definition**: Script name (only right fuzzy search is supported). **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Script name queried by exact search. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
risk_level	No	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: LOW, MEDIUM, or HIGH. **Default value**: N/A.
type	No	String	**Definition**: Script type. **Constraints**: The value can be SHELL, PYTHON, and BAT. **Value range**: SHELL, PYTHON, or BAT. **Default value**: N/A.

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Request Parameters

Table 4-248 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-249 Response body parameters

Parameter	Type	Description
data	**PublicScriptList-Page** object	**Definition**: Public script list. **Value range**: N/A.

Table 4-250 PublicScriptListPage

Parameter	Type	Description
total	Long	**Definition**: Total number of records. **Value range**: N/A.
data	Array of **PublicScriptList-Model** objects	**Definition**: Data listed on a single page. **Value range**: N/A.

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Table 4-251 PublicScriptListModel

Parameter	Type	Description
id	Long	**Definition**: Auto-added script ID. **Value range**: N/A.
script_uuid	String	**Definition**: Script UUID. **Value range**: N/A.
name	String	**Definition**: Script name. **Value range**: N/A.
type	String	**Definition**: Script type. **Value range**: The value can be SHELL, PYTHON, and BAT.
gmt_created	Long	**Definition**: Creation time. **Value range**: N/A.
description	String	**Definition**: Script description. **Value range**: N/A.
properties	**PublicScriptPropertiesModel** object	**Definition**: Additional attribute of a script. **Value range**: N/A.

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Table 4-252 PublicScriptPropertiesModel

Parameter	Type	Description
risk_level	String	**Definition**: Risk level. **Value range**: The value can be LOW, MEDIUM, and HIGH.
version	String	**Definition**: Script version. **Value range**: N/A.

Example Requests

Public scripts.

```
GET https://{Endpoint}/v1/job/public-scripts
```

Example Responses

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.


```
{
  "data" : {
    "total" : 2,
    "data" : [ {
      "id" : 1422704,
      "name" : "HWC.ECS.OSOps-switch-linux-ssh.sh",
      "type" : "SHELL",
      "gmt_created" : 1745294950699,
      "status" : "APPROVED",
      "script_uuid" : "SC20240522000000006dd50344",
      "description" : "Enable or disable the SSH of the Linux OS.",
      "properties" : {
        "risk_level" : "HIGH",
        "version" : "1.0.0"
      }
    }, {
      "id" : 1422703,
      "name" : "HWC.ECS.OSOps-switch-linux-firewall.sh",
      "type" : "SHELL",
      "gmt_created" : 1745294950689,
      "status" : "APPROVED",
      "script_uuid" : "SC20240522000000005dd50344",
      "description" : "Enable or disable the firewall of the Linux OS.",
      "properties" : {
        "risk_level" : "HIGH",
        "version" : "1.0.0"
      }
    } ]
```


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```
  }
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.3.2 Displaying public script details

Function

This API is used to query public script details.

Constraints

Query the public scripts that exist in the system.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:get	Read	-	-	-	-

URI

GET /v1/job/public-scripts/{script_uuid}

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Table 4-253 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: UUID of the public script. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

Table 4-254 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-255 Response body parameters

Parameter	Type	Description
data	**PublicScriptDetailModel** object	**Definition**: Response body of public script details. **Value range**: N/A.

Table 4-256 PublicScriptDetailModel

Parameter	Type	Description
script_uuid	String	**Definition**: Script UUID. **Value range**: N/A.

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Parameter	Type	Description
name	String	**Definition**: Script name. **Value range**: N/A.
description	String	**Definition**: Script description. **Value range**: N/A.
type	String	**Definition**: Script type. **Value range**: The value can be SHELL, PYTHON, and BAT.
content	String	**Definition**: Script content. **Value range**: N/A.
script_params	Array of **ScriptParamDefine** objects	**Definition**: Input parameters of the script. **Value range**: N/A.
gmt_created	Long	**Definition**: Creation time. **Value range**: N/A.
properties	**PublicScriptPropertiesModel** object	**Definition**: Additional attribute of a script. **Value range**: N/A.

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Table 4-257 ScriptParamDefine

Parameter	Type	Description
param_name	String	**Definition**: Parameter name. **Constraints**: The parameter name can contain only letters, digits, and underscores (_). **Value range**: N/A. **Default value**: N/A.
param_value	String	**Definition**: Parameter value. **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:",=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.
param_description	String	**Definition**: Parameter description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
param_order	Integer	**Definition**: Parameter sequence. This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
sensitive	Boolean	**Definition**: Whether a parameter is sensitive. **Constraints**: The value can be true or false. **Value range**: The value can be true or false. **Default value**: N/A.

Table 4-258 PublicScriptPropertiesModel

Parameter	Type	Description
risk_level	String	**Definition**: Risk level. **Value range**: The value can be LOW, MEDIUM, and HIGH.
version	String	**Definition**: Script version. **Value range**: N/A.

Example Requests

Display details about a specified public script.

```
GET https://{Endpoint}/v1/job/public-scripts/{script_uuid}
```

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Example Responses

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.


```
{
  "data" : {
    "script_uuid" : "SC20230831110308041 53xxx",
    "name" : "testEcho",
    "description" : "Test echo.",
    "type" : "SHELL",
    "content" : "echo \"${aaa}\"",
    "script_params" : [ {
      "param_name" : "value",
      "param_value" : "aaa",
      "param_description" : "Test parameters",
      "param_order" : 1,
      "sensitive" : false
    } ],
    "gmt_created" : 1686059454716,
    "provider" : "HWC.ECS",
    "properties" : {
      "risk_level" : "LOW",
      "version" : "1.0.0"
    }
  }
}
```


Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.3.3 Executing Common Scripts

Function

This API is used to execute public scripts.

Script input parameters, timeout interval, execution user, and limited resources are included.

Constraints

- A maximum of 20 script input parameters are supported.
- A maximum of 200 hosts can be delivered at a time.
- A maximum of 10 hosts can be contained in a batch.

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- A maximum of 20 batches are allowed.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:executeDocument	Write	document *	-	-	-
		instance *	-		

URI

POST /v1/job/public-scripts/{script_uuid}

Table 4-259 Path Parameters

Parameter	Mandatory	Type	Description
script_uuid	Yes	String	**Definition**: UUID of the public script. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-260 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	**Definition**: Tenant token. **Constraints**: Tenant token obtained from IAM. **Value range**: N/A. **Default value**: N/A.
X-Language	No	String	**Definition**: Internationalization tag. zh-cn indicates Chinese, and en-us or no value indicates English. **Constraints**: zh-cn indicates Chinese, and en-us or no value indicates English. **Value range**: zh-cn and en-us **Default value**: N/A.
x-project-id	No	String	**Definition**: The project ID. **Constraints**: Project ID corresponding to the region. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
x-user-profile	No	String	**Definition**: IAM 5.0 user information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-261 Request body parameters

Parameter	Mandatory	Type	Description
execute_param	Yes	**ScriptExecuteParam** object	**Definition**: Script execution parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
execute_batches	Yes	Array of **ExecuteInstancesBatchInfo** objects	**Definition**: Batch information of the target instance **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-262 ScriptExecuteParam

Parameter	Mandatory	Type	Description
resourceful	No	Boolean	**Definition**: This parameter has been discarded and does not take effect when it is transferred. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
timeout	Yes	Integer	**Definition**: Timeout. **Constraints**: The unit is second. The value range is 5 < timeout < 1800. **Value range**: N/A. **Default value**: N/A.
success_rate	Yes	Double	**Definition**: Success rate. **Constraints**: A value with one decimal place is supported. **Value range**: 1–100 **Default value**: N/A.
execute_user	Yes	String	**Definition**: User who executes the script. The script must be executed by user root. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
script_params	No	Array of **ScriptExecuteInputParam** objects	**Definition**: Script input parameters. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-263 ScriptExecuteInputParam

Parameter	Mandatory	Type	Description
param_name	Yes	String	**Definition**: Name of a script input parameter. The parameter name must be unique in the same script. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
param_value	Yes	String	**Definition**: Value of the script input parameter, which is mandatory by default. This parameter can be left empty when there are referenced parameters (param_refer is not empty). **Constraints**: The parameter value contains 1 to 4096 characters. The value can contain uppercase letters, lowercase letters, digits, and special characters (_-/.*?:'',=+@#[{]}). Consecutive periods (.) are not allowed. **Value range**: N/A. **Default value**: N/A.
param_order	No	Integer	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_refer	No	**ScriptExecuteParamReference** object	**Definition**: Parameter reference. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-264 ScriptExecuteParamReference

Parameter	Mandatory	Type	Description
refer_type	Yes	String	**Definition**: Parameter reference type: PARAM_STORE **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
param_id	Yes	String	**Definition**: Unique primary key ID of a referenced parameter. **Constraints**: • LOW • MEDIUM • HIGH **Value range**: N/A. **Default value**: N/A.
param_version	No	String	**Definition**: Version of the reference parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-265 ExecuteInstancesBatchInfo

Parameter	Mandatory	Type	Description
batch_index	Yes	Integer	**Definition**: Batch index, starting from 1. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
target_instances	Yes	Array of **ExecuteResourceInstance** objects	**Definition**: Target nodes. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
rotation_strategy	Yes	String	**Definition**: Policy for determining whether to pause or continue an execution **Constraints**: The value can be CONTINUE or PAUSE. **Value range**: CONTINUE or PAUSE. **Default value**: N/A.

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Table 4-266 ExecuteResourceInstance

Parameter	Mandatory	Type	Description
resource_id	Yes	String	**Definition**: ECS ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region_id	Yes	String	**Definition**: Region to which the server belongs. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
provider	No	String	**Definition**: Resource provider: ECS. If this parameter is not specified, the default value ECS is used. Ensure that the provider of each instance is the same. CCE instances will be supported later. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
type	No	String	**Definition**: Resource type of the resource provider. If this parameter is not specified, CLOUDSERVER is used by default. CLOUDSERVER: Cloud server type. **Constraints**: Cross-type support is not allowed. **Value range**: N/A. **Default value**: N/A.
custom_attributes	No	Array of **Customttribute** objects	**Definition**: Custom attributes in the key_value format. A maximum of five attributes can be customized. **Constraints**: The length of the key is 10. The length of the value is 20. The maximum length of the map is 5. Do not enter sensitive data. **Value range**: N/A. **Default value**: N/A.
agent_sn	No	String	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
project_id	No	String	**Definition**: This parameter has been discarded and does not take effect when it is configured. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-267 Customttribute

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition**: Key of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	Yes	String	**Definition**: Value of a custom attribute. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

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Table 4-268 Response body parameters

Parameter	Type	Description
data	String	Response parameters for executing a public script: execute_uuid.

Example Requests

Execute a public script.

```
POST https://{Endpoint}/v1/job/public-scripts/{script_uuid}

{
  "execute_param" : {
    "timeout" : 300,
    "execute_user" : "SYSTEM",
    "success_rate" : "100.0",
    "script_params" : [ {
      "param_name" : "action",
      "param_value" : "start",
      "param_order" : 1
    } ]
  },
  "execute_batches" : [ {
    "batch_index" : 1,
    "rotation_strategy" : "CONTINUE",
    "target_instances" : [ {
      "agent_sn" : "705c526eb7774c51xxxxxxxxxxxxxxxx",
      "resource_id" : "7c118539-15ab-41d3-xxxxxxxxxxxxxxxx",
      "enterprise_project_id" : "0",
      "project_id" : "10a6c23c2a10447797xxxxxxxxxxxxxxxx",
      "region_id" : "xxx",
      "provider" : "ECS",
      "type" : "CLOUDSERVERS",
      "properties" : {
        "host_name" : "ecs-b007-0001",
        "fixed_ip" : "192.168.x.xx",
        "region_id" : "xxx",
        "zone_id" : "xxx",
        "project_id" : "10a6c23c2a10447797xxxxxxxxxxxxxxxx"
      }
    } ]
  } ],
  "ticket_infos" : [ ]
}
```

Example Responses

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "data" : "SCT2023083109562xxxxxxxxxx"
}
```

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Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.4 Script Resource Tag Management

4.2.4.1 Querying Resource Tags

Function

This API is used to query all resource tags.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:list	List	document *	-	-	-

URI

GET /v1/script/{resource_type}/tags

Table 4-269 Path Parameters

Parameter	Mandatory	Type	Description
resource_type	Yes	String	Resource type: • coc:script

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Table 4-270 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	String	Number limitation.
offset	No	String	Starting position.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-271 Response body parameters

Parameter	Type	Description
tags	Array of **ScriptTag** objects	**Definition**: The key-value pair of a tag. **Value range**: N/A.
total	Long	**Definition**: Total number of records. **Value range**: N/A.

Table 4-272 ScriptTag

Parameter	Type	Description
key	String	**Definition**: Tag key. **Value range**: N/A.
values	Array of strings	**Definition**: All values of a tag key. **Value range**: N/A.

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Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.2.4.2 Updating Resource Tags

Function

This API is used to update a resource tag.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:update	Write	document *	-	-	-

URI

POST /v1/script/{resource_type}/{resource_id}/tags/update

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Table 4-273 Path Parameters

Parameter	Mandatory	Type	Description
resource_id	Yes	String	Resource ID.
resource_type	Yes	String	Resource type. • coc:script

Request Parameters

Table 4-274 Request body parameters

Parameter	Mandatory	Type	Description
tags	No	Array of **ResourceTag** objects	**Definition**: Tag array. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-275 ResourceTag

Parameter	Mandatory	Type	Description
key	No	String	**Definition**: Tag key. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
value	No	String	**Definition**: Tag value. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-276 Response body parameters

Parameter	Type	Description
data	String	**Definition:** Script ID returned by the system after a script is created. **Value range:** N/A

Example Requests

Update the resource type to the script tag SC202504221542083c8xxx of coc:script.

```
POST https://{Endpoint}/v1/script/coc:script/SC202504221542083c8xxx/tags/update

{
  "tags" : [ {
    "key" : 122,
    "value" : 122
  } ]
}
```

Example Responses

Status code: 200

UUID of the created script.

For more status codes, see **Status Codes**.

```
{
  "data" : "SC2023102521xxxxxxxxx"
}
```

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Status Codes

Status Code	Description
200	UUID of the created script. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3 Job Management

4.3.1 Querying Custom Jobs

Function

This API is used to query custom jobs.

Constraints

Only the custom job list of the current account can be queried.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:listDocument	List	-	-	-	-

URI

GET /v1/documents

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Table 4-277 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Pagination parameter, which indicates the maximum number of records returned on each page. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
offset	No	String	**Definition**: Offset. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
name_like	No	String	**Definition**: Job name (fuzzy). **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
creator	No	String	**Definition**: Creator. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition**: Enterprise project ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
document_type	No	String	**Definition**: Type of the job to be executed. **Constraints**: • Value: PUBLIC or NORMAL • Default value: NORMAL **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Custom jobs are successfully queried.

None

Example Requests

Query the custom job list.

```
GET https://{Endpoint}/v1/documents?offset=0&limit=2
```

Example Responses

Status code: 200

Custom jobs are successfully queried.

```
{
  "data" : [ {
    "document_id" : "DM2025063021170101xxxxx",
    "name" : "qweqwe",
    "create_time" : 1751289421846,
```

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```
  "update_time" : 1751289421846,
  "version" : "v1",
  "creator" : "COC-xxxxx",
  "modifier" : null,
  "enterprise_project_id" : "0",
  "risk_level" : "HIGH"
 }, {
  "document_id" : "DM20250604143026019xxxxx",
  "name" : "cfm-job-new-0604001",
  "create_time" : 1749018626043,
  "update_time" : 1751075577067,
  "version" : "v3",
  "creator" : "COC-xxxxx",
  "modifier" : "COC-xxxxx",
  "enterprise_project_id" : "0",
  "risk_level" : "LOW"
 } ],
 "total" : 74
}
```


Status Codes

Status Code	Description
200	Custom jobs are successfully queried.

Error Codes

See **Error Codes**.

4.3.2 Creating a Custom Job

Function

This API is used to create a custom job.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:createDocument	Write	document *	-	-	-

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URI

POST /v1/documents

Request Parameters

Table 4-278 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Job name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
content	Yes	String	**Definition**: Job content, which is a DSL statement. The maximum length is 64 KB. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
enterprise_project_id	Yes	String	**Definition**: Enterprise project ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
risk_level	Yes	String	**Definition**: Risk level. • LOW • MEDIUM • HIGH • LOW • MEDIUM • HIGH **Constraints**: N/A. **Value range**: **Default value**: N/A.
description	No	String	**Definition**: Job description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
tags	No	Array of **tags** objects	**Definition**: Tag list. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-279 tags

Parameter	Mandatory	Type	Description
key	No	String	**Definition**: Tag key. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	No	String	**Definition**: Tag value. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-280 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Job ID returned by the system when a job is created. **Value range**: N/A.

Status code: 400

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Table 4-281 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Create a custom job.

```
POST https://{Endpoint}/v1/documents

{
  "name" : "test_document",
  "description" : "",
  "enterprise_project_id" : "0",
  "risk_level" : "LOW",
  "content" : "meta:\n  name: test_document\n  schemaVersion: 3\n  description: \"\"\ninputs: {}\nsteps:\n  - name: pause\n    description: pause\n    task: hwc:runbook:suspend@1.0.0\n    inputs: {}\n    outputs: []"
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : "DM20250701180239xxxxx"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

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4.3.3 Obtaining the Atomic Capabilities

Function

This API is used to obtain the atomic capability list of a job.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:documentAtomic:list	List	-	-	-	-

URI

GET /v1/atomics

Table 4-282 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	String	**Definition**: Pagination parameter. **Constraints**: Maximum number of records returned on each page. If this parameter is not set, 10 records are queried on the first page by default. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
offset	No	String	**Definition**: Pagination parameter. **Constraints**: The query starts from the next data specified by offset. If this parameter is not transferred, the preset value 0 is used. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-283 Response body parameters

Parameter	Type	Description
data	Array of **AtomicModel** objects	**Definition**: Atomic capabilities. **Value range**: N/A.
total	Long	**Definition**: Total number of records. **Value range**: N/A.

Table 4-284 AtomicModel

Parameter	Type	Description
atomic_unique_key	String	**Definition**: Unique ID of an atomic capability. **Value range**: N/A.

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Parameter	Type	Description
atomic_name_zh	String	**Definition**: Chinese name. **Value range**: N/A.
atomic_name_en	String	**Definition**: English name. **Value range**: N/A.
tags	Array of strings	**Definition**: Tag information. **Value range**: CLOUD_API and FUNCTION.

Example Requests

Obtain the atomic capability list.

```
GET https://{Endpoint}/v1/atomics
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : [ {
    "atomic_unique_key" : "coc_step_pause",
    "atomic_name_zh" : "Pause",
    "atomic_name_en" : "pause",
    "tags" : [ "CONTROL" ]
  }, {
    "atomic_unique_key" : "coc_step_review",
    "atomic_name_zh" : "Review",
    "atomic_name_en" : "review",
    "tags" : [ "CONTROL" ]
  }, {
    "atomic_unique_key" : "coc_step_loop",
    "atomic_name_zh" : "Loop",
    "atomic_name_en" : "loop",
    "tags" : [ "CONTROL" ]
  }, {
    "atomic_unique_key" : "coc_step_branch",
    "atomic_name_zh" : "Branch",
    "atomic_name_en" : "branch",
    "tags" : [ "CONTROL" ]
  }, {
    "atomic_unique_key" : "execute_api",
    "atomic_name_zh" : "Execute API",
    "atomic_name_en" : "Execute API",
    "tags" : [ "CLOUD_API" ]
  }, {
    "atomic_unique_key" : "coc_step_sleep",
```

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```
    "atomic_name_zh" : "Sleep",
    "atomic_name_en" : "sleep",
    "tags" : [ "CONTROL" ]
  }, {
    "atomic_unique_key" : "custom_script_execute",
    "atomic_name_zh" : "Execute a custom script.",
    "atomic_name_en" : "Execute script",
    "tags" : [ "CUSTOM" ]
  }, {
    "atomic_unique_key" : "coc_execute_command",
    "atomic_name_zh" : "Execute a command.",
    "atomic_name_en" : "Execute Command",
    "tags" : [ "CUSTOM" ]
  } ],
  "total" : 8
}
```


Status Codes

Status Code	Description
200	Request succeeded.

Error Codes

See **Error Codes**.

4.3.4 Obtaining Job Atomic Capability Details

Function

This API is used to obtain atomic capability details.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:documentAtomic:get	Read	-	-	-	-

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URI

GET /v1/atomics/{atomic_unique_key}

Table 4-285 Path Parameters

Parameter	Mandatory	Type	Description
atomic_unique_key	Yes	String	**Definition**: Key of an atomic capability. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-286 Response body parameters

Parameter	Type	Description
atomic_unique_key	String	**Definition**: Unique ID of an atomic capability. **Value range**: The value can contain only letters and underscores (_) and must start with a letter.
atomic_name_zh	String	**Definition**: Chinese name. **Value range**: N/A.
atomic_name_en	String	**Definition**: English name. **Value range**: N/A.

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Parameter	Type	Description
tags	Array of strings	**Definition**: Tag information. **Value range**: N/A.
inputs	Array of **AtomicInputModel** objects	**Definition**: Input parameter of an atomic capability. **Value range**: N/A.
outputs	**AtomicOutputModel** object	**Definition**: Output parameter of an atomic capability. **Value range**: N/A.

Table 4-287 AtomicInputModel

Parameter	Type	Description
param_key	String	**Definition**: Parameter variable name, which is referenced in the atomic capability during execution. **Value range**: N/A.
param_name_zh	String	**Definition**: Chinese name of a parameter, which is displayed in a drop-down list. **Value range**: N/A.
param_name_en	String	**Definition**: English name of a parameter, which is displayed in a drop-down list. **Value range**: N/A.
required	Boolean	**Definition**: Mandatory or not. **Value range**: N/A.

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Parameter	Type	Description
param_type	String	**Definition**: Parameter type. The options are constant and dictionary. **Value range**: N/A.
min	Integer	**Definition**: Minimum value. **Value range**: N/A.
max	Integer	**Definition**: Maximum value. **Value range**: N/A.
min_len	Integer	**Definition**: Minimum length. **Value range**: N/A.
max_len	Integer	**Definition**: Maximum length. **Value range**: N/A.
pattern	String	**Definition**: Regular expression. **Value range**: N/A.

Table 4-288 AtomicOutputModel

Parameter	Type	Description
supported	Boolean	**Definition**: Whether the output is supported. **Value range**: N/A.

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Parameter	Type	Description
type	String	**Definition**: Output type. **Value range**: N/A.

Example Requests

Obtain details about a specified atomic capability.

```
GET https://{Endpoint}/v1/atomics/{atomic_unique_key}
```

Example Responses

Status code: 200

Request succeeded.


```
{
  "data" : {
    "atomic_unique_key" : "custom_script_execute",
    "atomic_name_zh" : "Execute a custom script.",
    "atomic_name_en" : "Execute script",
    "tags" : [ "CUSTOM" ],
    "inputs" : [ {
      "param_key" : "wait_uniagent_time",
      "param_type" : "CONSTANT",
      "default_value" : "0",
      "param_enums" : null,
      "param_name_zh" : "Maximum waiting time for UniAgent startup (s)",
      "param_name_en" : "Maximum Waiting Time for UniAgent Startup (second)",
      "required" : false,
      "max" : 1200,
      "min" : 0,
      "max_len" : null,
      "min_len" : null,
      "pattern" : null,
      "type" : "integer"
    }, {
      "param_key" : "script_uuid",
      "param_type" : "CONSTANT",
      "default_value" : null,
      "param_enums" : null,
      "param_name_zh" : "Script UUID",
      "param_name_en" : "Script uuid",
      "required" : true,
      "max" : null,
      "min" : null,
      "max_len" : null,
      "min_len" : null,
      "pattern" : null,
      "type" : null
    }, {
      "param_key" : "execute_user",
      "param_type" : "CONSTANT",
      "default_value" : null,
      "param_enums" : null,
      "param_name_zh" : "Script execution user",
      "param_name_en" : "Script execute os user",
      "required" : true,
      "max" : null,
```


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```
      "min" : null,
      "max_len" : 32,
      "min_len" : null,
      "pattern" : null,
      "type" : "string"
    }, {
      "param_key" : "timeout",
      "param_type" : "CONSTANT",
      "default_value" : "60",
      "param_enums" : null,
      "param_name_zh" : "Script execution timeout (s)",
      "param_name_en" : "Script execute timeout (second)",
      "required" : true,
      "max" : 1800,
      "min" : 6,
      "max_len" : null,
      "min_len" : null,
      "pattern" : null,
      "type" : "integer"
    }, {
      "param_key" : "success_rate",
      "param_type" : "CONSTANT",
      "default_value" : "100",
      "param_enums" : null,
      "param_name_zh" : "Success rate threshold (%)",
      "param_name_en" : "Success rate (%)",
      "required" : false,
      "max" : 100,
      "min" : 0,
      "max_len" : null,
      "min_len" : null,
      "pattern" : null,
      "type" : "integer"
    }, {
      "param_key" : "script_params",
      "param_type" : "DICTIONARY",
      "default_value" : null,
      "param_enums" : null,
      "param_name_zh" : "Script input parameters",
      "param_name_en" : "Script execute inputs",
      "required" : false,
      "max" : null,
      "min" : null,
      "max_len" : null,
      "min_len" : null,
      "pattern" : null,
      "type" : null
    } ],
    "target_instance" : {
      "required" : true,
      "limit" : null
    },
    "display_region" : "REQUIRED",
    "outputs" : {
      "supported" : false,
      "type" : null
    }
  }
}
```


Status Codes

Status Code	Description
200	Request succeeded.

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Error Codes

See **Error Codes**.

4.3.5 Modifying a Custom Job

Function

This API is used to modify a custom job.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:updateDocument	Write	document *	-	-	-

URI

PUT /v1/documents/{document_id}

Table 4-289 Path Parameters

Parameter	Mandatory	Type	Description
document_id	Yes	String	**Definition**: Job ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-290 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	**Definition**: Job name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
content	Yes	String	**Definition**: Job content, which is a DSL statement. The maximum length is 64 KB. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
description	No	String	**Definition**: Description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
risk_level	No	String	**Definition**: Risk level. **Constraints**: • LOW • MEDIUM • HIGH • LOW • MEDIUM • HIGH **Value range**: **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-291 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Job ID returned by the system after a job is edited. **Value range**: N/A.

Status code: 400

Table 4-292 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.

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Parameter	Type	Description
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Modify a custom job.

```
PUT https://{Endpoint}/v1/documents/{document_id}

{
  "name" : "test_document",
  "description" : "",
  "enterprise_project_id" : "0",
  "risk_level" : "LOW",
  "content" : "meta:\n  name: test_document\n  schemaVersion: 3\n  description: \"\"\ninputs: {}\nsteps:\n  - name: pause\n    description: pause\n    task: hwc:runbook:suspend@1.0.0\n    inputs: {}\n    outputs: []"
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : "DM20250701180239xxxxxxx"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.6 Executing a Custom Job

Function

This API is used to execute a custom job.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:execute	Write	document *	-	-	-

URI

POST /v1/documents/{document_id}

Table 4-293 Path Parameters

Parameter	Mandatory	Type	Description
document_id	Yes	String	**Definition**: Job ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Request Parameters

Table 4-294 Request body parameters

Parameter	Mandatory	Type	Description
version	No	String	**Definition**: Job version. If this parameter is not transferred, the latest version is used by default. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
parameters	No	Array of **parameters** objects	**Definition**: Global parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
sys_tags	No	Array of **sys_tags** objects	**Definition**: System tags. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
target_parameter_name	No	String	**Definition**: Name of the parameter of the object to be executed in batches in rate control mode. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
targets	No	Array of **targets** objects	**Definition**: Used together with target_parameter_name. Select the target_parameter_name parameter. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
document_type	No	String	**Definition**: Type of the job to be executed. • PRIVATE • PUBLIC • PRIVATE • PUBLIC **Constraints**: N/A. **Value range**: **Default value**: N/A.
description	No	String	**Definition**: Execution description. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-295 parameters

Parameter	Mandatory	Type	Description
key	No	String	**Definition**: Parameter key. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	No	String	**Definition**: Parameter value. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-296 sys_tags

Parameter	Mandatory	Type	Description
key	No	String	**Definition**: System tag key. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
value	No	String	**Definition**: System tag value. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-297 targets

Parameter	Mandatory	Type	Description
key	No	String	**Definition**: Dimension of the execution target to be used as an instant. The options are InstanceValues and BatchValues. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
values	No	Array of strings	**Definition**: Target instance to be executed, which is specified based on the global parameter specified by target_parameter_name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-298 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Job ticket ID returned by the system when a job is executed. **Value range**: N/A.

Status code: 400

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Table 4-299 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Execute a custom job.

```
POST https://{Endpoint}/v1/documents/{document_id}

{
  "version" : "v2",
  "parameters" : [ {
    "key" : "domain_id",
    "value" : "dc2d76541f754d68xxxxxxxxx"
  }, {
    "key" : "project_id",
    "value" : "e451729b938f491xxxxxxxxxxxxx"
  }, {
    "key" : "agency_urn",
    "value" : "iam::dc2d76541f754d68a4c8d150xxxxxx:agency:ServiceAgencyForCOC"
  } ]
}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : "EX20250701210145012xxxxxx"
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

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Error Codes

See **Error Codes**.

4.3.7 Querying Custom Job Details

Function

This API is used to query details about a custom job.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:getDocument	Read	document *	-	-	-

URI

GET /v1/documents/{document_id}

Table 4-300 Path Parameters

Parameter	Mandatory	Type	Description
document_id	Yes	String	**Definition**: Job UUID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Table 4-301 Query Parameters

Parameter	Mandatory	Type	Description
version	No	String	**Definition**: Job version. The value can be v1 or v2. If this parameter is not specified, the latest version is queried by default. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
document_type	No	String	**Definition**: Type of the job to be executed. **Constraints**: • Value: PUBLIC or PRIVATE. • Default value: PRIVATE. **Value range**: PUBLIC or PRIVATE. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-302 Response body parameters

Parameter	Type	Description
id	String	**Definition**: Job ID. **Value range**: N/A.

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Parameter	Type	Description
document_id	String	**Definition**: Job UUID. **Value range**: N/A.
name	String	**Definition**: Job name. **Value range**: N/A.
content	String	**Definition**: Job content, which is a DSL statement. **Value range**: N/A.
create_time	Long	**Definition**: Creation time. **Value range**: N/A.
update_time	Long	**Definition**: Update time. **Value range**: N/A.
version	String	**Definition**: Job version, for example, v1 **Value range**: N/A.
creator	String	**Definition**: Creator. **Value range**: N/A.
modifier	String	**Definition**: Modifier. **Value range**: N/A.
enterprise_project_id	String	**Definition**: Enterprise project ID. **Value range**: N/A.

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Parameter	Type	Description
versions	Array of **DocumentVersionVo** objects	**Definition**: Version set. **Value range**: N/A.

Table 4-303 DocumentVersionVo

Parameter	Type	Description
version	String	**Definition**: Version number, for example, v1. **Value range**: N/A.
version_uuid	String	**Definition**: Version ID. **Value range**: N/A.
create_time	String	**Definition**: Time when a version is created. **Value range**: N/A.

Status code: 400

Table 4-304 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

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Example Requests

Query details about a specified user-defined job.

```
GET https://{Endpoint}/v1/documents/{document_id}
```

Example Responses

Status code: 200

Request succeeded.


```
{
  "data" : {
    "document_id" : "DM2025070118023xxxxxxxxxx",
    "name" : "test_document",
    "content" : "meta:\n  name: test_document\n  schemaVersion: 3\n  description: \"\"\ninputs: {}\nsteps:\n
- name: pause\n    description: pause\n    task: hwc:runbook:suspend@1.0.0\n    inputs: {}\n    outputs: []",
    "create_time" : 1751364159273,
    "update_time" : 1751374833988,
    "version" : "v2",
    "creator" : "COC-xxxxx",
    "modifier" : "COC-xxxx",
    "enterprise_project_id" : "0",
    "risk_level" : "LOW",
    "description" : "",
    "versions" : [ {
      "version_uuid" : "573634e7-5e69-4b4b-b4a1-b74xxxx",
      "create_time" : 1751374833988,
      "version" : "v2"
    }, {
      "version_uuid" : "4530982f-f60b-479e-8145-b6d3xxxx",
      "create_time" : 1751364159273,
      "version" : "v1"
    } ]
  }
}
```


Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.8 Deleting a Custom Job

Function

This API is used to delete a custom job.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:document:deleteDocument	Write	document *	-	-	-

URI

DELETE /v1/documents/{document_id}

Table 4-305 Path Parameters

Parameter	Mandatory	Type	Description
document_id	Yes	String	**Definition**: Job UUID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-306 Response body parameters

Parameter	Type	Description
data	String	**Definition**: Job ID returned by the system when a job is deleted. **Value range**: N/A.

Status code: 400

Table 4-307 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Delete a custom job.

```
DELETE https://{Endpoint}/v1/documents/{document_id}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : "DM20250607181512xxxxx"
}
```

Status Codes

Status Code	Description
200	Request succeeded.

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Status Code	Description
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.9 Querying Job Ticket Details

Function

This API is used to query details about a service ticket.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:execution:get	Read	-	-	-	-

URI

GET /v1/executions/{execution_id}

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Table 4-308 Path Parameters

Parameter	Mandatory	Type	Description
execution_id	Yes	String	**Definition**: Ticket ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-309 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error message. **Value range**: For details, see **Error Codes**.
data	**data** object	Return data.

Table 4-310 data

Parameter	Type	Description
execution_id	String	**Definition**: Unique ID of a service ticket. **Value range**: N/A.

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Parameter	Type	Description
document_name	String	**Definition**: Job name. **Value range**: N/A.
document_id	String	**Definition**: Job ID. **Value range**: N/A.
document_version_id	String	**Definition**: Job version ID. **Value range**: N/A.
document_version	String	**Definition**: Job version number. **Value range**: N/A.
start_time	Long	**Definition**: Start time of service ticket execution. **Value range**: N/A.
end_time	Long	**Definition**: End time of service ticket execution. **Value range**: N/A.
update_time	Long	**Definition**: Ticket update time. **Value range**: N/A.
creator	String	**Definition**: Service ticket creator. **Value range**: N/A.

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Parameter	Type	Description
status	String	**Definition**: Service ticket status. **Value range**: • Pending • Running • Succeed • Canceling • Canceled • Failed • Timeout
description	String	**Definition**: Service ticket execution description. **Value range**: N/A.
parameters	Array of **parameters** objects	**Definition**: Global parameters for service ticket execution. **Value range**: N/A.
tags	Array of **tags** objects	**Definition**: Service ticket tags. **Value range**: N/A.
target_parameter_name	String	**Definition**: Parameter name specified for rate mode execution. **Value range**: N/A.
targets	Array of **Target** objects	**Definition**: Element selected for rate mode execution. **Value range**: N/A.

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Parameter	Type	Description
type	String	**Definition**: Service ticket type • BATCH: batch mode. • RATE_CONTROL: rate control mode. • NORMAL: normal mode. • BATCH • RATE_CONTROL • NORMAL **Value range**:

Table 4-311 parameters

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

Table 4-312 tags

Parameter	Type	Description
key	String	**Definition**: Key of the service ticket tag. **Value range**: N/A.
value	String	**Definition**: Value of the service ticket tag. **Value range**: N/A.

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Table 4-313 Target

Parameter	Type	Description
key	String	**Definition**: Speed mode execution type, InstanceValues. **Value range**: N/A.
values	Array of objects	**Definition**: Execution element in rate mode. Currently, only CloudCMDB resources are supported. **Value range**: N/A.

Status code: 400

Table 4-314 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Query the service ticket details of a job.

```
GET https://{Endpoint}/v1/executions/{execution_id}
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : {
    "id" : 3025,
    "execution_id" : "EX2025070121014501xxxxxx",
```

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```
    "type" : "NORMAL",
    "document_name" : "test_document",
    "document_id" : "DM20250701180239O1xxxxxx",
    "document_version_id" : "573634e7-5e69-4b4b-b4a1-b7433xxxxxx",
    "document_version" : "v2",
    "start_time" : 1751374905000,
    "end_time" : null,
    "update_time" : 1751374905000,
    "status" : "Pending",
    "description" : null,
    "parameters" : [ ],
    "target_parameter_name" : null,
    "targets" : null,
    "creator" : "COC-Script",
    "tags" : [ ],
    "sys_tags" : [ ]
  }
}
```


Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.10 Querying Ticket Step Details

Function

This API is used to query details about service ticket execution steps.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:execution:listExecutionStep	Read	-	-	-	-

URI

GET /v1/executions/{execution_id}/steps

Table 4-315 Path Parameters

Parameter	Mandatory	Type	Description
execution_id	Yes	String	**Definition**: Ticket ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-316 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Pagination parameter. **Constraints**: Number of records displayed on each page. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
offset	No	Long	**Definition**: Pagination parameter. **Constraints**: The query starts from the next data specified by offset. If this parameter is not transferred, the preset value 0 is used. **Value range**: N/A. **Default value**: N/A.
execution_step_id_list	No	Array of strings	**Definition**: Step ID array. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-317 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error message. **Value range**: For details, see **Error Codes**.

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Parameter	Type	Description
data	Array of **ExecutionStep** objects	**Definition**: Return data. **Value range**: N/A.
total	Long	**Definition**: Total number. **Value range**: N/A.

Table 4-318 ExecutionStep

Parameter	Type	Description
execution_step_id	String	**Definition**: Service ticket step ID. **Value range**: N/A.
action	String	**Definition**: Atomic capability action. **Value range**: N/A.
start_time	Long	**Definition**: Start time of the service ticket step. **Value range**: N/A.
end_time	Long	**Definition**: Service ticket step end time. **Value range**: N/A.
message	String	**Definition**: Execution information of the service ticket step. **Value range**: N/A.

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Parameter	Type	Description
name	String	**Definition**: Service ticket step name. **Value range**: N/A.
status	String	**Definition**: Execution status of the service ticket step. **Value range**: N/A.
inputs	Array of **inputs** objects	**Definition**: Step input parameter. **Value range**: N/A.
outputs	Array of **outputs** objects	**Definition**: Step output parameter. **Value range**: N/A.
properties	Map<String,String>	**Definition**: Additional attributes of a service ticket step, which are stored in map format. For example, if the internal IP address is displayed, the value is {"fixed_ip": "192.168.1.xx"}. **Value range**: N/A.

Table 4-319 inputs

Parameter	Type	Description
key	String	**Definition**: Parameter key. **Value range**: N/A.
value	String	**Definition**: Parameter value. **Value range**: N/A.

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Table 4-320 outputs

Parameter	Type	Description
key	String	**Definition**: Parameter key. **Value range**: N/A.
value	String	**Definition**: Parameter value. **Value range**: N/A.

Status code: 400

Table 4-321 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Query ticket step details.

```
GET https://{Endpoint}/v1/executions/{execution_id}/steps
```

Example Responses

Status code: 200

Request succeeded.

```
{
  "data" : [ {
    "id" : 10576,
    "execution_step_id" : "EXS20250701210145xxxxxx",
    "action" : "hwc:runbook:suspend@1.0.0",
    "name" : "pause",
    "start_time" : null,
    "end_time" : null,
```

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```
    "status" : "Pending",
    "message" : null,
    "inputs" : [ ],
    "outputs" : [ ]
  } ],
  "total" : 1
}
```

Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.11 Querying Job Service Tickets

Function

This API is used to query a job service ticket.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:execution:list	List	-	-	-	-

URI

GET /v1/executions

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Table 4-322 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Pagination parameter. **Constraints**: Maximum number of records returned on each page. If this parameter is not set, 10 records are queried on the first page by default. **Value range**: N/A. **Default value**: N/A.
offset	No	Long	**Definition**: Pagination parameter. **Constraints**: The query starts from the next data specified by offset. If this parameter is not transferred, the preset value 0 is used. **Value range**: N/A. **Default value**: N/A.
creator	No	String	**Definition**: Creator, which is a fuzzy search. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
start_time	No	Long	**Definition**: Start time. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
end_time	No	Long	**Definition**: End time. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
document_name	No	String	**Definition**: Job name, which is a fuzzy search. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
document_id	No	String	**Definition**: Job ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
tags	No	String	**Definition**: Tag filter criteria, for example, tags=key1=value1 and key2=value2. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
exclude_child_executions	No	Boolean	**Definition**: Sub-tickets are not returned during list query. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-323 Response body parameters

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

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Parameter	Type	Description
data	Array of **data** objects	**Definition**: Return data. **Value range**: N/A.
total	Long	**Definition**: Total number. **Value range**: N/A.

Table 4-324 data

Parameter	Type	Description
execution_id	String	**Definition**: Unique ID of a service ticket. **Value range**: N/A.
document_name	String	**Definition**: Job name. **Value range**: N/A.
document_id	String	**Definition**: Job ID. **Value range**: N/A.
document_version_id	String	**Definition**: Job version ID. **Value range**: N/A.
document_version	String	**Definition**: Job version number. **Value range**: N/A.
start_time	Long	**Definition**: Start time of service ticket execution. **Value range**: N/A.

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Parameter	Type	Description
end_time	Long	**Definition**: End time of service ticket execution. **Value range**: N/A.
update_time	Long	**Definition**: Ticket update time. **Value range**: N/A.
creator	String	**Definition**: Time when a service ticket is created. **Value range**: N/A.
status	String	**Definition**: Service ticket status. **Value range**: N/A.
description	String	**Definition**: Service ticket execution description. **Value range**: N/A.
parameters	Array of **parameters** objects	**Definition**: Global parameters for service ticket execution. **Value range**: N/A.
sys_tags	Array of **sys_tags** objects	**Definition**: System tags. **Value range**: N/A.
tags	Array of **tags** objects	**Definition**: List of custom tags. **Value range**: N/A.

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Parameter	Type	Description
type	String	**Definition**: Service ticket type. • BATCH: batch mode. • RATE_CONTROL: rate control mode. • NORMAL: normal mode. • BATCH • RATE_CONTROL • NORMAL **Value range**:
target_parameter_name	String	**Definition**: Parameter specified for rate mode execution. **Value range**: N/A.
targets	Array of **Target** objects	**Definition**: Element specified for rate mode execution. **Value range**: N/A.

Table 4-325 parameters

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

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Table 4-326 sys_tags

Parameter	Type	Description
key	String	**Definition**: Tag key. **Value range**: N/A.
value	String	**Definition**: Tag value. **Value range**: N/A.

Table 4-327 tags

Parameter	Type	Description
key	String	**Definition**: Tag key. **Value range**: N/A.
value	String	**Definition**: Tag value. **Value range**: N/A.

Table 4-328 Target

Parameter	Type	Description
key	String	**Definition**: Speed mode execution type, InstanceValues. **Value range**: N/A.
values	Array of objects	**Definition**: Execution element in rate mode. Currently, only CloudCMDB resources are supported. **Value range**: N/A.

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Status code: 400

Table 4-329 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Query the service ticket list of a job.

```
GET https://{Endpoint}/v1/executions?offset=0&limit=2
```

Example Responses

Status code: 200

Request succeeded.


```
{
  "data" : [ {
    "id" : 3025,
    "execution_id" : "EX2025070121014xxxxxxx",
    "type" : "NORMAL",
    "document_name" : "test_document",
    "document_id" : "DM2025070118023900xxxxxx",
    "document_version_id" : "573634e7-5e69-4b4b-b4a1-b7xxxxxxx",
    "document_version" : "v2",
    "start_time" : 1751374905000,
    "end_time" : null,
    "update_time" : 1751374905000,
    "status" : "Pending",
    "description" : null,
    "parameters" : [ ],
    "target_parameter_name" : null,
    "targets" : null,
    "creator" : "COC-Script",
    "tags" : [ ],
    "sys_tags" : [ ]
  }, {
    "id" : 3024,
    "execution_id" : "EX2025063021172xxxxxxx",
    "type" : "NORMAL",
    "document_name" : "qweqwe",
    "document_id" : "DM202506302117010xxxxxxx",
    "document_version_id" : "6b3a059d-2cca-4bb0-82c0-e9xxxxxxx",
    "document_version" : "v1",
    "start_time" : 1751289441000,
    "end_time" : 1751289511000,
    "update_time" : 1751289512000,
```


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```
    "status" : "Succeeded",
    "description" : null,
    "parameters" : [ {
      "key" : "aaa",
      "value" : "[\"qwe\",\"rew\"]"
    } ],
    "target_parameter_name" : null,
    "targets" : null,
    "creator" : "COC-Script",
    "tags" : [ ],
    "sys_tags" : [ ]
  } ],
  "total" : 718
}
```


Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.12 Querying Batch Instances of a User Service Ticket

Function

This API is used to query the service ticket batch instance, for example, the ECS instance in the batch script operations.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:execution:listExecutionStepInstance	Read	-	-	-	-

URI

GET /v1/executions/instances

Table 4-330 Query Parameters

Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Pagination parameter. **Constraints**: Number of records displayed on each page. **Value range**: N/A. **Default value**: N/A.
offset	No	Integer	**Definition**: Pagination parameter. **Constraints**: The query starts from the next data specified by offset. If this parameter is not transferred, the preset value 0 is used. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
execution_step_id	No	String	**Definition**: Service ticket step ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-331 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error message. **Value range**: For details, see **Error Codes**.
data	Array of **data** objects	**Definition**: Batch instance list. **Value range**: N/A.
total	Long	**Definition**: Total number. **Value range**: N/A.

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Table 4-332 data

Parameter	Type	Description
id	Integer	**Definition**: Batch execution instance ID. **Value range**: N/A.
execution_instance_id	String	**Definition**: Service ticket instance ID. **Value range**: N/A.
execution_step_id	String	**Definition**: Service ticket step ID. **Value range**: N/A.
strat_time	Long	**Definition**: Start time of instance execution. **Value range**: N/A.
end_time	Long	**Definition**: End time of instance execution. **Value range**: N/A.
status	String	**Definition**: Instance execution status. **Value range**: N/A.
message	String	**Definition**: Instance execution information. **Value range**: N/A.

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Parameter	Type	Description

properties	Map<String,String>	**Definition**:
		Information about instances in a batch recorded in map format
		If scripts are executed in batches, information about instances in the batch is recorded.
		If APIs are called in batches in a loop, the API calling parameters and results are recorded.
		{
		"agent_id": "c30c90ac18124a4490ce49xxx",
		"fixed_ip": "192.168.1.xxx",
		"resource_name": "ecs-xx-xx",
		"region_id": "cn-north-x",
		"provider": "ecs",
		"region_id": "cn-north-x",
		"resource_id": "25aaed31-80f1-4976-8xxxxxxx",
		"type": "cloudservers"
		}
		Value range:
		N/A.

Status code: 400

Table 4-333 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

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Example Requests

This API is used to query the service ticket batch instance, for example, the ECS instance in the batch script operations.

```
GET https://{Endpoint}/v1/executions/instances?
execution_step_id=EXS2025062314121901xxxxx&offset=0&limit=10
```

Example Responses

Status code: 200

Request succeeded.


```
{
  "data" : [ {
    "id" : 4482,
    "execution_instance_id" : "EXI202506231412xxxxxxx",
    "execution_id" : "EX20250623141219O1dxxxxxxx",
    "execution_step_id" : "EXS202506231412xxxxxxx",
    "status" : "Failed",
    "start_time" : 1750659139000,
    "end_time" : 1750659210000,
    "message" : null,
    "properties" : {
      "provider" : "ecs",
      "type" : "cloudservers",
      "properties" : {
        "host_name" : "coc-platform-gamxxxxxxx",
        "fixed_ip" : null,
        "floating_ip" : null
      },
      "resource_id" : "a4594206-05ee-41fd-84xxxxxxx",
      "agent_sn" : null,
      "enterprise_project_id" : "9d414beb-88b7-4ea8-9e61-1xxxxxxx",
      "project_id" : "10a6c23c2a1044779794798xxxxxxx",
      "region_id" : "cn-north-7"
    }
  }, {
    "id" : 4483,
    "execution_instance_id" : "EXI20250623141219xxxxxxx",
    "execution_id" : "EX2025062314121901xxxxxxx",
    "execution_step_id" : "EXS202506231412xxxxxxx",
    "status" : "Failed",
    "start_time" : 1750659139000,
    "end_time" : 1750659210000,
    "message" : null,
    "properties" : {
      "provider" : "ecs",
      "type" : "cloudservers",
      "properties" : {
        "host_name" : "coc-cube-cn-north-7-gamxxxxxxx",
        "fixed_ip" : "10.2.51.200",
        "floating_ip" : null
      },
      "resource_id" : "adfbb61d-bdcd-46bb-9b32-edxxxxxxx",
      "agent_sn" : "2bc74fbce77d4528b59810xxxxxxx",
      "enterprise_project_id" : "b022c6d1-4af5-46dd-8exxxxxxx",
      "project_id" : "10a6c23c2a10447797947xxxxxxx",
      "region_id" : "cn-north-x"
    }
  } ],
  "total" : 2
}
```


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Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.3.13 Operating a Job Service Ticket

Function

This API is used to operate a job service ticket.

Operation types are RESUME, TERMINATE, RETRY, and SKIP_BATCH.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:execution:operate	Write	-	-	-	-

URI

POST /v1/executions

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Request Parameters

Table 4-334 Request body parameters

Parameter	Mandatory	Type	Description
execution_id	Yes	String	**Definition**: Ticket ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
operate_type	Yes	String	**Definition**: Operation type. • RESUME • TERMINATE • RETRY • SKIP_BATCH • RESUME • TERMINATE • RETRY • SKIP_BATCH **Constraints**: N/A. **Value range**: **Default value**: N/A.

Response Parameters

Status code: 200

Table 4-335 Response body parameters

Parameter	Type	Description
-	String	The job ticket is successfully operated.

Status code: 400

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Table 4-336 Response body parameters

Parameter	Type	Description
error_code	String	**Definition**: Error code. **Value range**: For details, see **Error Codes**.
error_msg	String	**Definition**: Error description. **Value range**: For details, see **Error Codes**.

Example Requests

Retry a ticket.

```
POST https://{Endpoint}/v1/executions

{
  "operate_type" : "RETRY",
  "execution_id" : "EX20250624161701019xxxx"
}
```

Example Responses

Status code: 200

Request succeeded.

```
{ }
```

Status Codes

Status Code	Description
200	Request succeeded.
400	The contained error information is returned. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.4 Patch management

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4.4.1 Obtaining a Node Compliance Report

Function

This API is used to obtaining node compliance reports by page.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:complianceReport:list	List	-	-	-	-

URI

GET /v1/patch/instance/compliant

Table 4-337 Query Parameters

Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition**: Enterprise project ID. **Constraints**: If no, create one in**Enterprise Management**. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: c17bbc73-f1b4-7890-91f3-a3aa1234561a. **Default value**: 0.

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Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Resource name, which is the name of the ECS or BMS after patch scanning or patch fixing. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
instance_id	No	String	**Definition**: Resource ID, which is the ID of the ECS or BMS after patch scanning or patch fixing. **Constraints**: N/A. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: 8c123456-e426-4cdd-b123-4e1e36e00f99. **Default value**: N/A.
ip	No	String	**Definition**: Private IP address of the ECS or BMS NIC. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
eip	No	String	**Definition**: EIP of the ECS or BMS. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
operating_system	No	String	**Definition**: Operating system of the ECS or BMS. **Constraints**: N/A. **Value range**: • HuaweiCloudEulerOS • CentOS • EulerOS **Default value**: N/A.
region	No	String	**Definition**: ID of the region where the ECS or BMS instance is located. For details about the mapping between region names and IDs, see **Regions and Endpoints**. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
group	No	String	**Definition**: Name of the application group to which the ECS or BMS instance belongs. For details about the application information, see **Overview of Application Management**. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
compliant_status	No	String	**Definition**: Compliance status. If the compliance report contains non-compliant patches, the compliance status is non-compliant. Otherwise, the compliance status is compliant. **Constraints**: N/A. **Value range**: • non_compliant • compliant **Default value**: N/A.

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Parameter	Mandatory	Type	Description
order_id	No	String	**Definition**: ID of the patch service ticket, which is generated when a patch scan or patch fixing service ticket is created. **Constraints**: N/A. **Value range**: The value must start with OST and be a string of 26 characters consisting of lowercase letters (a to z) and digits (0 to 9). **Default value**: N/A.
offset	No	Integer	**Definition**: Offset pointers queried by page for compliance reports. **Constraints**: N/A. **Value range**: The value is an integer. The value length is 1 to 1,000,000. **Default value**: 1.
limit	No	Integer	**Definition**: Number of compliance reports queried on each page. **Constraints**: N/A. **Value range**: The value is an integer. The value length is 1 to 100. **Default value**: 10.

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Parameter	Mandatory	Type	Description
sort_dir	No	String	**Definition**: Sorting mode of the compliance report. **Constraints**: N/A. **Value range**: • asc: ascending order • desc: descending order **Default value**: N/A.
sort_key	No	String	**Definition**: Sorting field. You can select response fields for sorting, which works with the sort_dir parameter. **Constraints**: N/A. **Value range**: report_time (Report time) **Default value**: N/A.
report_scene	No	String	**Definition**: Compliance report scenario. **Constraints**: N/A. **Value range**: • CCE • ECS • BMS **Default value**: N/A.

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Parameter	Mandatory	Type	Description
cce_info_id	No	String	**Definition**: CCE cluster ID. **Constraints**: N/A. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: aad16bee-1234-11ef-affb-1234ac1234b6. **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-338 Response body parameters

Parameter	Type	Description
count	Long	**Definition**: Total number of returned node compliance reports. **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.

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Parameter	Type	Description
instance_compliant	Array of **InstanceCompliant** objects	**Definition**: Node compliance report. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-339 InstanceCompliant

Parameter	Type	Description
compliant_summary	**CompliantSummary** object	**Definition**: Compliance patch information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
non_compliant_summary	**NonCompliantSummary** object	**Definition**: Non-compliance patch information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
execution_summary	**ExecutionSummary** object	**Definition**: Execution information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
id	String	**Definition**: UUID of the compliance report. **Constraints**: If this parameter does not exist, create one in **Enterprise Management**. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: c17bbc73-f1b4-7890-91f3-a3aa1234561a. **Default value**: 0.
enterprise_project_id	String	**Definition**: Enterprise project ID. **Constraints**: If this parameter does not exist, create one in **Enterprise Management**. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: c17bbc73-f1b4-7890-91f3-a3aa1234561a. **Default value**: 0.
name	String	**Definition**: Resource name, which is the name of the ECS or BMS after patch scanning or patch fixing. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
instance_id	String	**Definition**: Resource ID, which is the ID of the ECS or BMS after patch scanning or patch fixing. **Constraints**: N/A. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: 8c123456-e426-4cdd-b123-4e1e36e00f99. **Default value**: N/A.
node_id	String	**Definition**: ID of the ECS in the CCE cluster. **Constraints**: N/A. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: aad16bee-1234-11ef-affb-1234ac1234b6. **Default value**: N/A.
ip	String	**Definition**: Private IP address of the ECS or BMS NIC. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
eip	String	**Definition**: EIP of the ECS or BMS. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
region	String	**Definition**: ID of the region where the ECS or BMS instance is located. For details about the mapping between region names and IDs, see **Regions and Endpoints**. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
group	String	**Definition**: Name of the application group to which the ECS or BMS instance belongs. For details about the application information, see **Overview of Application Management**. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
report_scene	String	**Definition**: Compliance report scenario. **Constraints**: N/A. **Value range**: • CCE • ECS • BMS **Default value**: N/A.
cce_info_id	String	**Definition**: CCE cluster ID. **Constraints**: N/A. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: aad16bee-1234-11ef-affb-1234ac1234b6. **Default value**: N/A.
status	String	**Definition**: Compliance status. If the compliance report contains non-compliant patches, the compliance status is non-compliant. Otherwise, the compliance status is compliant. **Constraints**: N/A. **Value range**: • non_compliant • compliant **Default value**: N/A.

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Parameter	Type	Description
baseline_id	String	**Definition**: Baseline ID. **Constraints**: N/A. **Value range**: The value is a string of 32 characters starting with JX- and consisting of lowercase letters (a to z) and digits (0 to 9), for example, JX-123456e9541f9b5775193ad3fb8a3. **Default value**: N/A.
baseline_name	String	**Definition**: Baseline name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
rule_type	String	**Definition**: Baseline rules **Constraints**: N/A. **Value range**: • standard • custom **Default value**: N/A.
operating_system	String	**Definition**: Operating system of the ECS or BMS. **Constraints**: N/A. **Value range**: • HuaweiCloudEulerOS • CentOS • EulerOS **Default value**: N/A.

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Table 4-340 CompliantSummary

Parameter	Type	Description
compliant_count	Integer	**Definition**: Number of returned compliant patches. **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.
severity_summary	SeveritySummary object	**Definition**: Compliance summary. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-341 NonCompliantSummary

Parameter	Type	Description
non_compliant_count	Integer	**Definition**: Number of non-compliant patches. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
severity_summary	SeveritySummary object	**Definition**: Compliance summary. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-342 SeveritySummary

Parameter	Type	Description
critical_count	Integer	**Definition**: Number of major compliance reports **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.
high_count	Integer	**Definition**: Number of high compliance reports **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.
informational_count	Integer	**Definition**: Number of informational compliance reports **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.

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Parameter	Type	Description
low_count	Integer	**Definition**: Number of low compliance reports **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.
medium_count	Integer	**Definition**: Number of medium compliance reports **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.
unspecified_count	Integer	**Definition**: Number of unspecified compliance reports **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.

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Table 4-343 ExecutionSummary

Parameter	Type	Description
order_id	String	**Definition**: ID of the patch service ticket, which is generated when a patch scan or patch fixing service ticket is created. **Constraints**: N/A. **Value range**: The value must start with OST and be a string of 26 characters consisting of lowercase letters (a to z) and digits (0 to 9). **Default value**: N/A.
job_id	String	**Definition**: ID of the script service ticket to be executed. **Constraints**: N/A. **Value range**: The value must start with SCT and be a string of 24 characters consisting of lowercase letters (a to z) and digits (0 to 9). **Default value**: N/A.
report_time	Long	**Definition**: Report time. **Constraints**: N/A. **Value range**: 13-bit millisecond UNIX timestamp. **Default value**: N/A.

Status code: 500

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Table 4-344 Response body parameters

Parameter	Type	Description
error_code	String	Error code
error_msg	String	Error description

Example Requests

Query the list of non-compliant reports in the ECS scenario report. Ten records are displayed on each page, starting from the first page.

```
GET https://coc.myhuaweicloud.com/v1/patch/instance/compliant?
offset=1&limit=10&compliant_status=non_compliant&report_scene=ECS
```

Example Responses

Status code: 200

Node compliance report information is returned.

```
{
  "count" : 1,
  "instance_compliant" : [ {
    "baseline_id" : "JX-f2d85e2554f7385cbbf2c23a01f41",
    "baseline_name" : "COC-EulerOSDefaultPatchBaseline",
    "cce_info_id" : null,
    "compliant_summary" : {
      "compliant_count" : 264,
      "severity_summary" : {
        "critical_count" : 0,
        "high_count" : 0,
        "informational_count" : 0,
        "low_count" : 0,
        "medium_count" : 0,
        "unspecified_count" : 264
      }
    },
    "eip" : "123:123:12:1",
    "enterprise_project_id" : "c17bbc73-f1b4-7890-91f3-a3aa1234561a",
    "execution_summary" : {
      "job_id" : "string",
      "order_id" : "OST20250601164506O2a8asdf1",
      "report_time" : 1715308575000
    },
    "group" : null,
    "id" : "string",
    "instance_id" : "8c123456-e426-4cdd-b123-4e1e36e00f99",
    "ip" : "192.168.2.1",
    "name" : "string",
    "node_id" : "",
    "non_compliant_summary" : {
      "non_compliant_count" : 204,
      "severity_summary" : {
        "critical_count" : 0,
        "high_count" : 0,
        "informational_count" : 0,
        "low_count" : 0,
        "medium_count" : 0,
        "unspecified_count" : 0
      }
    },
    "operating_system" : "EulerOS",
```

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```
    "region" : "***",
    "report_scene" : "ECS",
    "rule_type" : "standard",
    "status" : "non_compliant"
  } ]
}
```

Status code: 500

An error message is returned.

```
{
  "error_code" : "string",
  "error_msg" : "string"
}
```

Status Codes

Status Code	Description
200	Node compliance report information is returned.
500	An error message is returned.

Error Codes

See **Error Codes**.

4.4.2 Obtaining Node Patch Details by Page

Function

This API is used to obtain the patch details of a node by page

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:complianceReport:get	Read	-	-	-	-

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URI

GET /v1/patch/instance/compliant/{instance_compliant_id}

Table 4-345 Path Parameters

Parameter	Mandatory	Type	Description
instance_compliant_id	Yes	String	**Definition**: Compliance report ID. After an ECS or BMS instance is scanned or patched, a compliance report row is generated on the patch scan page. **Constraints**: N/A. **Value range**: The value is a string of 32 characters consisting of lowercase letters (a to z) and digits (0 to 9), for example, 3f5f3c944f50da3a7038457c5ff76c66. **Default value**: N/A.

Table 4-346 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	**Definition**: Offset pointer for querying patch reports on each page. **Constraints**: N/A. **Value range**: The value is an integer. The value length is 1 to 1,000,000. **Default value**: 1.

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Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition**: Number of patch reports queried on each page. **Constraints**: N/A. **Value range**: The value is an integer. The value length is 1 to 100. **Default value**: 10.
title	No	String	**Definition**: Patch name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
sort_dir	No	String	**Definition**: Sorting order of patch information. **Constraints**: N/A. **Value range**: • asc: ascending order • desc: descending order **Default value**: N/A.

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Parameter	Mandatory	Type	Description
sort_key	No	String	**Definition**: Sorting field. You can select response fields for sorting, which works with the sort_dir parameter. **Constraints**: N/A. **Value range**: installed_time (patch installation time) **Default value**: N/A.
patch_status	No	String	**Definition**: Patch status. **Constraints**: N/A. **Value range**: • INSTALLED: installed • INSTALLED_OTHER: Non-baseline patch installed • MISSING: to be fixed • REJECT: rejected • FAILED: The repair fails. • PENDING_REBOOT: installed and to be rebooted **Default value**: N/A.

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Parameter	Mandatory	Type	Description
classification	No	String	**Definition**: Category. **Constraints**: N/A. **Value range**: • Security: patch for fixing security vulnerabilities • Bugfix: patch for fixing bugs • Enhancement: patch for function enhancement • Recommended: patch for recommended updates • Newpackage: patch for adding a software package **Default value**: N/A.
severity_level	No	String	**Definition**: Severity level. **Constraints**: N/A. **Value range**: • Critical • Important • Moderate • Low • None **Default value**: N/A.

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Parameter	Mandatory	Type	Description
compliance_level	No	String	**Definition**: Compliance level. **Constraints**: N/A. **Value range**: • UNSPECIFIED • CRITICAL • HIGH • MEDIUM • LOW • INFORMATIONAL **Default value**: N/A.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-347 Response body parameters

Parameter	Type	Description
count	Long	**Definition**: Total number of returned patches. **Constraints**: N/A. **Value range**: Integer. **Default value**: N/A.

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Parameter	Type	Description
compliance_items	Array of **ComplianceItem** objects	**Definition**: Patch compliance information. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-348 ComplianceItem

Parameter	Type	Description
instance_id	String	**Definition**: Resource ID, which is the ID of the ECS or BMS after patch scanning or patch fixing. **Constraints**: N/A. **Value range**: The value is a string of 36 characters consisting of lowercase letters (a to z), digits (0 to 9), and hyphens (-). Example: 8c123456-e426-4cdd-b123-4e1e36e00f99. **Default value**: N/A.
title	String	**Definition**: Patch name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Type	Description
classification	String	**Definition**: Category. **Constraints**: N/A. **Value range**: • Security: patch for fixing security vulnerabilities • Bugfix: patch for fixing bugs • Enhancement: patch for function enhancement • Recommended: patch for recommended updates • Newpackage: patch for adding a software package **Default value**: N/A.
severity_level	String	**Definition**: Severity level. **Constraints**: N/A. **Value range**: • Critical • Important • Moderate • Low • None **Default value**: N/A.

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Parameter	Type	Description
compliance_level	String	**Definition**: Compliance level. **Constraints**: N/A. **Value range**: • UNSPECIFIED • CRITICAL • HIGH • MEDIUM • LOW • INFORMATIONAL **Default value**: N/A.
patch_detail	**PatchDetail** object	**Definition**: Patch details. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-349 PatchDetail

Parameter	Type	Description
installed_time	Long	**Definition**: Installation time. **Constraints**: N/A. **Value range**: 13-bit millisecond UNIX timestamp. **Default value**: N/A.

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Parameter	Type	Description
patch_baseline_id	String	**Definition**: Patch baseline ID. **Constraints**: N/A. **Value range**: The value is a string of 32 characters starting with JX- and consisting of lowercase letters (a to z) and digits (0 to 9), for example, JX-123456e9541f9b5775193ad3fb8a3. **Default value**: N/A.
patch_baseline_name	String	**Definition**: Patch baseline name. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
patch_status	String	**Definition**: Patch status. **Constraints**: N/A. **Value range**: • INSTALLED: installed • INSTALLED_OTHER: Non-baseline patch installed • MISSING: to be fixed • REJECT: rejected • FAILED: The repair fails. • PENDING_REBOOT: installed and to be rebooted **Default value**: N/A.

Status code: 500

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Table 4-350 Response body parameters

Parameter	Type	Description
error_code	String	Error code
error_msg	String	Error description

Example Requests

Query the patch information in a specified report. Ten records are displayed on each page, starting from the first page.

```
GET https://coc.myhuaweicloud.com/v1/patch/instance/compliant/3f5f3c944f50da3a7038457c5ff76c66?offset=1&limit=10
```

Example Responses

Status code: 200

Node patch information is returned.

```
{
  "count" : 1,
  "compliance_items" : [ {
    "classification" : "",
    "compliance_level" : "UNSPECIFIED",
    "instance_id" : "string",
    "patch_detail" : {
      "installed_time" : 1713864585000,
      "patch_baseline_id" : "JX-f2d85e2554f7385cbbf2c23a01f41",
      "patch_baseline_name" : "COC-EulerOSDefaultPatchBaseline",
      "patch_status" : "PENDING_REBOOT"
    },
    "severity_level" : "",
    "title" : "string"
  } ]
}
```

Status code: 500

An error message is returned.

```
{
  "error_code" : "string",
  "error_msg" : "string"
}
```

Status Codes

Status Code	Description
200	Node patch information is returned.
500	An error message is returned.

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Error Codes

See **Error Codes**.

4.5 Scheduled O&M

4.5.1 Creating a Scheduled O&M Task

Function

This API is used to create a scheduled O&M task, which triggers operations such as script execution and job management at a specified time or periodically.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:create	Write	schedule	g:EnterpriseProjectId	-	-
		instance	• coc:ApplicationCode • coc:ApplicationGroupCode • g:EnterpriseProjectId		
		document	• coc:DocumentRiskLevel • g:EnterpriseProjectId		

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
		-	• coc:TicketLevel • coc:TicketScope • coc:RequestScope • coc:TicketCurrentHandlers • coc:TicketStatus • coc:TicketType • coc:TicketBeginTime • coc:TicketEndTime • coc:RequestTarget • coc:TicketTarget • coc:OperatorName • coc:EscapeSwitchIsEnabled		

URI

POST /v1/schedule/task

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Request Parameters

Table 4-351 Request body parameters

Parameter	Mandatory	Type	Description
ticket_infos	No	Array of **TicketInfo** objects	**Definition** For details about the configuration information related to change management, see **Change Management**. **Constraints** If service ticket authorization has been enabled for the current API in the change control module, this parameter is mandatory, that is, the corresponding privilege escalation information is provided. **Range** N/A **Default Value** N/A
name	Yes	String	**Definition** Task name. **Constraints** N/A **Range** The value can contain 3 to 100 characters, including letters, digits, hyphens (-), and underscores (_). **Default Value** N/A

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Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition** Enterprise project ID. **Constraints** If no, create one in**Enterprise Management**. **Range** Select an existing enterprise project ID. **Default Value** 0
agency_name	No	String	**Definition** Specifies the agency name. **Constraints** If the selected agency does not have sufficient permissions, the task cannot be executed. Create an agency and grant permissions in**IAM**. **Range** Select an existing agency name. **Default Value** ServiceAgencyForCOC (recommended)
version_no	Yes	String	**Definition** Version number. **Constraints** N/A **Range** The value can be customized and contains 1 to 50 characters. **Default Value** 1.0.0

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Parameter	Mandatory	Type	Description
trigger_time	Yes	TriggerTime object	**Definition** Execution time details of a scheduled task. **Constraints** N/A **Range** For details, see the constraints on the value of TriggerTime. **Default Value** For details, see the constraints on the value of TriggerTime.
task_type	Yes	String	**Definition** Task type. **Constraints** N/A **Range** • SCRIPT: script • RUNBOOK: job **Default Value** SCRIPT
associated_task_id	Yes	String	**Definition** Associated task ID (script or job ID). **Constraints** The associated task must exist in the script or job management module. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
associated_task_type	Yes	String	**Definition** Type of an associated task. **Constraints** N/A **Range** • CUSTOMIZATION: custom script or job • COMMUNAL: public script or job **Default Value** CUSTOMIZATION
associated_task_name	Yes	String	**Definition** Associated task name (script name or job name). **Constraints** This parameter is used together with associated_task_id. **Range** N/A **Default Value** N/A
associated_task_name_en	No	String	**Definition** Name of an associated task. **Constraints** This parameter is used together with associated_task_id. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
associated_task_enterprise_project_id	No	String	**Definition** ID of the enterprise project of the associated task. **Constraints** This parameter is used together with associated_task_id. **Range** N/A **Default Value** N/A
runbook_instance_mode	No	String	**Definition** Mode of the target instance. **Constraints** Association method of instance resources. When the associated task type is job, this parameter is mandatory. **Range** • SAME: All job steps are associated with the same instance resource. • DIFF: Each task in each job step is associated with an independent instance resource. **Default Value** SAME
risk_level	Yes	String	**Definition** Risk level of a scheduled task. **Constraints** N/A **Range** • HIGH • MEDIUM • LOW **Default Value** HIGH

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Parameter	Mandatory	Type	Description
input_param	Yes	Map<String,String>	**Definition** Task execution parameters, that is, execution parameters of the script or job. **Constraints** JSON string, which contains a maximum of 50 key-value pairs. The length of each value is 0 to 16777215 characters. The value must be the same as the execution parameters of the script or job. For example, if the script is used, you need to specify the execution user, timeout interval, and input parameters. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
target_instances	Yes	Array of **ScheduleInstance** objects	**Definition** Target instance information. **Constraints** • If the task is associated with a script, the array has only one element, that is, the resource instance associated with the script. • If the task is associated with a job and the target instance is SAME, the array has only one element, that is, the resource instance associated with the job. • If the task is associated with a job and the target instance is DIFF, the number of elements in the array is the same as the number of steps of the associated job, that is, the resource instance to be operated is specified separately for each task in each step. **Range** N/A **Default Value** N/A
enable_approve	Yes	Boolean	**Definition** Whether to enable manual review upon data input. **Constraints** N/A **Range** A boolean value. **Default Value** true

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Parameter	Mandatory	Type	Description
reviewer_notification	No	**MessageNotification** object	**Definition** Reviewer notification information. **Constraints** N/A **Range** For details, see the constraints on the value of MessageNotification. **Default Value** For details, see the constraints on the value of MessageNotification.
reviewer_user_name	No	String	**Definition** Reviewer nickname. **Constraints** Select a person whose information is available in**Personnel Management**. **Range** N/A **Default Value** N/A
enable_message_notification	Yes	Boolean	**Definition** Whether to enable notification. **Constraints** N/A **Range** A boolean value. **Default Value** false

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Parameter	Mandatory	Type	Description
message_notification	No	**MessageNotification** object	**Definition** Notification information. **Constraints** N/A **Range** For details, see the constraints on the value of MessageNotification. **Default Value** For details, see the constraints on the value of MessageNotification.

Table 4-352 TicketInfo

Parameter	Mandatory	Type	Description
ticket_id	No	String	**Definition** ID of the service ticket related to change management. **Constraints** Select the service ticket that takes effect currently. **Range** N/A **Default Value** N/A
ticket_type	No	String	**Definition** Service ticket type **Constraints** N/A **Range** • CHANGE: change ticket. • INCIDENT: incident ticket. • WARROOM: war room ticket. **Default Value** N/A

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Parameter	Mandatory	Type	Description
target_id	No	String	**Definition** ID of the application associated with the service ticket. **Constraints** Select the application ID associated with the service ticket. **Range** N/A **Default Value** N/A
scope_id	No	String	**Definition** Region ID. **Constraints** Select the region ID associated with the service ticket. **Range** N/A **Default Value** N/A

Table 4-353 TriggerTime

Parameter	Mandatory	Type	Description
time_zone	Yes	String	**Definition** Time zone. **Constraints** N/A **Range** An existing time zone **Default Value** Asia/Shanghai (GMT+8)

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Parameter	Mandatory	Type	Description
policy	Yes	String	**Definition** Execution policy of a scheduled task. **Constraints** N/A **Range** • PERIODIC: The task is executed periodically. • ONCE: The task is executed only once. • CRON: The task is executed in cron expression. **Default Value** ONCE
single_scheduled_time	No	Long	**Definition** Execution time of a one-off scheduled task. **Constraints** When the scheduled task execution policy is one-off, this parameter is mandatory. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
periodic_scheduled_time	No	String	**Definition** Daily execution time of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Time string in 24-hour format. If the task is executed at 5:30 PM on the current day, the value is 17:30:00. **Default Value** Current time

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Parameter	Mandatory	Type	Description
period	No	String	**Definition** Week days of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Week days are separated by commas (,). Sunday is 1, and Monday is 2. Example: 1,2,4,5, indicating that the task is executed every Monday, Wednesday, Thursday, and Sunday. **Default Value** N/A
cron	No	String	**Definition** Cron expression of the scheduled task executed based on the cron expression. **Constraints** When the scheduled task execution policy is CRON, this parameter is mandatory. **Range** Use a valid cron expression. For example, if the task is executed at 10:15 AM every day, the value is 0 15 10 ? * *. **Default Value** N/A

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Parameter	Mandatory	Type	Description
scheduled_close_time	No	Long	**Definition** Execution end time of a scheduled task. **Constraints** When the scheduled task execution policy is PERIODIC or CRON, this parameter is mandatory, that is, the timestamp of the scheduled task rule expiration date. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A

Table 4-354 ScheduleInstance

Parameter	Mandatory	Type	Description
target_selection	Yes	String	**Definition** Target instance selection mode. **Constraints** N/A **Range** ALL: Select all instances. • MANUAL: manual selection. • NONE: No instance is specified. **Default Value** MANUAL

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Parameter	Mandatory	Type	Description
target_resource	No	TargetResource object	**Definition** Target instance search criteria. **Constraints** If the target instance selection mode is all instances, this parameter is mandatory. **Range** For details, see the constraints on the value of TargetResource. **Default Value** For details, see the constraints on the value of TargetResource.
target_instances	No	String	**Definition** Instance information. **Constraints** If the target instance selection mode is manual selection, this parameter is mandatory, indicating the details about the target instance resource. **Range** The value is a JSON string whose length range is 0 to 100000000. **Default Value** N/A
order_no	Yes	Integer	**Definition** Step No. **Constraints** • If a scheduled task is associated with a script, the value is 1. • If a scheduled task is associated with a job, the value indicates the step number in the job. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
batch_strategy	No	String	**Definition** Instance batch policy. **Constraints** • If a scheduled task is associated with a job and no resource instance needs to be specified for the current step, the value must be NONE. • If all Instances is selected, the value must be AUTO_BATCH. • If the resource instance is not empty, the value must be AUTO_BATCH or MANUAL_BATCH. **Range** • AUTO_BATCH: automatic batching • MANUAL_BATCH: manual batching • NONE: no batching **Default Value** N/A
sub_target_instances	No	Array of **ScheduleInstance** objects	**Definition** Level-2 resource instance information. **Constraints** If a step of the job associated with the scheduled task contains multiple tasks and the target instance mode is DIFF, this parameter is mandatory, indicating that the resource instance is specified separately for each task. **Range** Array whose length range is 0 to 100. **Default Value** N/A

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Table 4-355 TargetResource

Parameter	Mandatory	Type	Description
type	No	String	**Definition** Resource selection mode (REGION or APPLICATION), that is, selecting resource instances by region or application. **Constraints** N/A **Range** • REGION: Select resource instances by region. • APPLICATION: Select resource instances by application. **Default Value** REGION
id	No	String	**Definition** ID of the region or application. **Constraints** The value must match the selected region or application. **Range** N/A **Default Value** N/A
app_name	No	String	**Definition** Application name. Hierarchical relationships are separated by periods (.) **Constraints** When the resource selection mode is APPLICATION, this parameter is mandatory, that is, the name of the selected application. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
region_id	No	String	**Definition** ID of the region with which the application is associated. **Constraints** When the resource selection mode is APPLICATION, this parameter is mandatory, that is, the ID of the region associated with the selected application. **Range** N/A **Default Value** N/A
params	No	Array of **ResourceQuery** objects	**Definition** Dynamic query criteria of the resource instance. **Constraints** N/A **Range** For details, see the constraints on the value of ResourceQuery. **Default Value** For details, see the constraints on the value of ResourceQuery.

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Table 4-356 ResourceQuery

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition** Attribute name of a resource. **Constraints** Select the attributes of resources in Application Resource Management, such as ep_id (enterprise project ID) and agent_state (UniAgent status). **Range** N/A **Default Value** N/A
value	Yes	String	**Definition** Parameter value of the resource attribute. **Constraints** Set the parameter value based on the selected key. **Range** N/A **Default Value** N/A

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Table 4-357 MessageNotification

Parameter	Mandatory	Type	Description
policy	No	String	**Definition** Notification policy **Constraints** When notification is enabled, this parameter is mandatory. The corresponding notification policy must be specified. **Range** • START_EXECUTION • EXECUTION_FAILED • EXECUTION_SUCCEEDED **Default Value** N/A
notification_endpoint_type	Yes	String	**Definition** Notification object type. **Constraints** N/A **Range** • USER: individual. • ONCALL: shift. **Default Value** ONCALL
schedule_scene_id	No	String	**Definition** ID of the shift scenario. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift scenario ID. If no, create a scenario ID by referring to**Creating a Shift Scenario**. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
schedule_role_id	No	String	**Definition** ID of the shift role. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift role ID. • Ensure that the selected role ID exists in the selected shift scenario. **Range** N/A **Default Value** N/A
recipients	No	String	**Definition** Notification recipient ID. **Constraints** • When the notification object type is individual, you need to specify the ID of the sender. Ensure that the selected notification recipient ID exists in**Personnel Management**. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
protocol	No	String	**Definition** Describes the notification slot. **Constraints** Ensure that the current channel has been subscribed to. For details, see user subscription in**Personnel Management**. **Range** • DEFAULT • NONE: no notification. • SMS • EMAIL • DingTalk • LARK • CALLNOTIFY • WECHAT **Default Value** DEFAULT: Select any notification method you have subscribed to. If you have not subscribed to any notification method, you cannot receive notifications.

Response Parameters

Status code: 200

Table 4-358 Response body parameters

Parameter	Type	Description
data	String	**Definition** Interface response data. **Range** N/A

Status code: 400

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Table 4-359 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

Example Requests

Create a scheduled task that is executed only once, associate the task type with script, and enable notification and manual review.

```
POST https://{Endpoint}/v1/schedule/task

{
  "name" : "test",
  "version_no" : "1.0.0",
  "enterprise_project_id" : "0",
  "task_type" : "SCRIPT",
  "associated_task_type" : "CUSTOMIZATION",
  "associated_task_id" : "SC****",
  "associated_task_enterprise_project_id" : "0",
  "associated_task_name" : "test-scripts",
  "input_param" : {
    "timeout" : 300,
    "execute_user" : "root",
    "success_rate" : 100,
    "project_id" : "*****",
    "script_params" : "[]"
  },
  "target_instances" : [ {
    "target_selection" : "MANUAL",
    "target_instances" : "{\"batches\":[{\"batchIndex\":1,\"rotationStrategy\":\"CONTINUE\",\"targetInstances
\":[{\"resourceId\":\"****\",\"regionId\":\"***\",\"provider\":\"ECS\",\"type\":\"CLOUDSERVERS\",\"agentSn
\":\"****\",\"agentStatus\":\"ONLINE\",\"nodeId\":\"\",\"enterpriseProjectId\":\"0\",\"properties\":{\"hostName
\":\"****\",\"fixedIp\":\"****\",\"floatingIp\":\"****\",\"regionId\":\"***\",\"zoneId\":\"***\",\"projectId\":\"****
\"}}]}],\"policy\":\"none\",\"all_rotation\":\"ALL_CONTINUE\"}",
    "order_no" : 0,
    "batch_strategy" : "NONE"
  } ],
  "runbook_instance_mode" : "SAME",
  "agency_name" : "ServiceAgencyForCOC",
  "trigger_time" : {
    "time_zone" : "Asia/Shanghai",
    "policy" : "ONCE",
    "single_scheduled_time" : 1746072075000
  },
  "risk_level" : "LOW",
  "enable_approve" : true,
  "reviewer_user_name" : "****",
  "reviewer_notification" : {
    "notification_endpoint_type" : "USER",
    "protocol" : "DEFAULT",
    "recipients" : "****"
```

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```
  },
  "enable_message_notification" : true,
  "message_notification" : {
    "policy" : "EXECUTION_FAILED,START_EXECUTION",
    "notification_endpoint_type" : "USER",
    "protocol" : "DEFAULT",
    "recipients" : "****"
  }
}
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "data" : "ST****"
}
```

Status Codes

Status Code	Description
200	Request result is returned.
400	Incorrect request body is returned.

Error Codes

See **Error Codes**.

4.5.2 Querying the List of Scheduled Tasks

Function

This API is used to query the scheduled O&M tasks based on specified conditions.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:list	List	-	g:EnterpriseProjectId	-	-

URI

GET /v1/schedule/task

Table 4-360 Query Parameters

Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition** Enterprise project ID. **Constraints** Select a project ID that is available in**Enterprise Management**. **Range** N/A **Default Value** 0
task_id	No	String	**Definition** Task ID. **Constraints** Select the ID of an existing scheduled task. **Range** A string of 26 characters starting with ST. **Default Value** N/A

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Parameter	Mandatory	Type	Description
task_name	No	String	**Definition** Task name. **Constraints** This parameter works together with task_id. Select an existing scheduled task name. **Range** N/A **Default Value** N/A
scheduled_type	No	String	**Definition** Execution policy of a scheduled task. **Constraints** N/A **Range** • PERIODIC: The task is executed periodically. • ONCE: The task is executed only once. • CRON: The task is executed in cron expression. **Default Value** N/A
task_type	No	String	**Definition** Type of a scheduled task. **Constraints** N/A **Range** • SCRIPT: script • RUNBOOK: job **Default Value** N/A

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Parameter	Mandatory	Type	Description
associated_task_type	No	String	**Definition** Type of an associated task. **Constraints** N/A **Range** • CUSTOMIZATION: custom script or job • COMMUNAL: public script or job **Default Value** N/A
risk_level	No	String	**Definition** Risk level of a scheduled task. **Constraints** N/A **Range** • HIGH • MEDIUM • LOW **Default Value** N/A
created_by	No	String	**Definition** IAM user ID of the creator of a scheduled task. **Constraints** Select a user ID that is available in**Personnel Management**. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
reviewer	No	String	**Definition** IAM user ID of the reviewer of a scheduled task. **Constraints** Select a user ID that is available in**Personnel Management**. **Range** N/A **Default Value** N/A
reviewer_user_name	No	String	**Definition** Reviewer nickname. **Constraints** Corresponds to reviewer. **Range** N/A **Default Value** N/A
approve_status	No	String	**Definition** Review status of a scheduled task. **Constraints** N/A **Range** • PASSED: normal • PENDING: to be approved • REJECTED: rejected **Default Value** N/A

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Parameter	Mandatory	Type	Description
last_execution_status	No	String	**Definition** Latest execution status of a scheduled task. **Constraints** N/A **Range** The value can be READY, PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED. **Default Value** N/A
last_execution_start_time	No	Long	**Definition** Start timestamp of the latest execution time of a scheduled task. **Constraints** N/A **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
last_execution_end_time	No	Long	**Definition** End timestamp of the latest execution time of a scheduled task. **Constraints** N/A **Range** Milliseconds-level UTC timestamp. **Default Value** N/A

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Parameter	Mandatory	Type	Description
marker	No	String	**Definition** Used for pagination query. **Constraints** N/A **Range** ID of the last record in the previous query. **Default Value** N/A
region_id	No	String	**Definition** Region. **Constraints** Select a region fromIAM. **Range** N/A **Default Value** N/A
resource_id	No	String	**Definition** Resource ID. **Constraints** Only one resource can be queried. **Range** N/A **Default Value** This parameter is left blank by default.
offset	No	Integer	**Definition** Offset pointers queried by page. **Constraints** N/A **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
limit	No	Integer	**Definition** Number of queries, by page. **Constraints** N/A **Range** N/A **Default Value** N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-361 Response body parameters

Parameter	Type	Description
count	Long	**Definition** Total number of scheduled O&M tasks. **Range** N/A
next_maker	String	**Definition** Next start point for pagination query. **Range** N/A
scheduled_tasks	Array of **ScheduledTaskBasicInfo** objects	**Definition** Scheduled O&M tasks. **Range** For details, see the constraints on the value of ScheduledTaskBasicInfo.

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Table 4-362 ScheduledTaskBasicInfo

Parameter	Type	Description
id	String	**Definition** Task ID. **Range** A string of 26 characters starting with ST.
enterprise_project_id	String	**Definition** Enterprise project ID. **Range** N/A
name	String	**Definition** Task name. **Range** The value can contain 3 to 100 characters, including letters, digits, hyphens (-), and underscores (_).
scheduled_type	String	**Definition** Execution policy of a scheduled task. **Range** • PERIODIC: The task is executed periodically. • ONCE: The task is executed only once. • CRON: The task is executed in cron expression.
task_type	String	**Definition** Type of the task referenced by a scheduled task. **Range** • SCRIPT: script • RUNBOOK: job
associated_task_type	String	**Definition** Attribute of the task referenced by a scheduled task. **Range** • CUSTOMIZATION: custom script or job • COMMUNAL: public script or job

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Parameter	Type	Description
risk_level	String	**Definition** Risk level of a scheduled task. **Range** • HIGH • MEDIUM • LOW
created_by	String	**Definition** IAM user ID of the creator of a scheduled task. **Range** N/A
update_by	String	**Definition** Person who modifies the scheduled task. **Range** N/A
created_user_name	String	**Definition** Nickname of the creator of a scheduled task. **Range** N/A
reviewer	String	**Definition** IAM user ID of the reviewer of a scheduled task. **Range** N/A
reviewer_user_name	String	**Definition** Nickname of the reviewer of a scheduled task. **Range** N/A
approve_status	Object	**Definition** Review status of a scheduled task. **Range** • PASSED: normal • PENDING: to be approved • REJECTED: rejected

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Parameter	Type	Description
last_execution_time	Long	**Definition** Latest timestamp of scheduled task execution. **Range** N/A
last_execution_status	String	**Definition** Latest execution status of a scheduled task. **Range** The value can be READY, PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED.
execution_count	Integer	**Definition** Number of times that the task will be executed. The options are as follows: **Range** N/A
enabled	Boolean	**Definition** Whether to enable a scheduled task. **Range** A boolean value.
created_time	Long	**Definition** Timestamp of the scheduled task creation. **Range** N/A
modified_time	Long	**Definition** Timestamp of scheduled task update. **Range** N/A
region_id	String	**Definition** Region to which a scheduled task belongs. **Range** N/A

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Parameter	Type	Description
associated_task_name	String	**Definition** Name of the script or job associated with the scheduled task. **Range** N/A
associated_task_name_en	String	**Definition** Name of the script or job associated with the task. **Range** N/A

Status code: 400

Table 4-363 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

Example Requests

Query the first 10 scheduled tasks that are successfully executed only once.

```
GET https://{Endpoint}/v1/schedule/task?
offset=0&limit=10&scheduled_type=ONCE&last_execution_status=FINISHED
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "count" : 1,
  "next_maker" : "ST****",
  "scheduled_tasks" : [ {
    "approve_status" : "PASSED",
    "associated_task_name" : "test_scheduled_task",
```

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```
    "associated_task_name_en" : "",
    "associated_task_type" : "CUSTOMIZATION",
    "created_by" : "****",
    "created_time" : 1745396111000,
    "created_user_name" : "****",
    "enabled" : true,
    "enterprise_project_id" : "0",
    "execution_count" : 1,
    "id" : "****",
    "last_execution_status" : "FINISHED",
    "last_execution_time" : 1745396135000,
    "modified_time" : 1745396111000,
    "name" : "****",
    "region_id" : "***",
    "risk_level" : "LOW",
    "scheduled_type" : "ONCE",
    "task_type" : "RUNBOOK",
    "update_by" : "****"
  } ]
}
```


Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

Error Codes

See **Error Codes**.

4.5.3 Modifying a Scheduled Task

Function

This API is used to modify a scheduled O&M task.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:update	Write	schedule *	g:EnterpriseProjectId	-	-
		instance	• coc:ApplicationCode • coc:ApplicationGroupCode • g:EnterpriseProjectId		
		document	• coc:DocumentRiskLevel • g:EnterpriseProjectId		

URI

PUT /v1/schedule/task/{task_id}

Table 4-364 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	**Definition** ID of a scheduled task. **Constraints** An existing task that is disabled. **Range** A string of 26 characters starting with ST. **Default Value** N/A

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Request Parameters

Table 4-365 Request body parameters

Parameter	Mandatory	Type	Description
ticket_infos	No	Array of **TicketInfo** objects	**Definition** For details about the configuration information related to change management, see **Change Management**](tag:hws_hk). **Constraints** If service ticket authorization has been enabled for the current API in the change control module, this parameter is mandatory, that is, the corresponding privilege escalation information is provided. **Range** N/A **Default Value** N/A
name	Yes	String	**Definition** Task name. **Constraints** N/A **Range** The value can contain 3 to 100 characters, including letters, digits, hyphens (-), and underscores (_). **Default Value** N/A

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Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition** Enterprise project ID. **Constraints** If no, create one in**Enterprise Management**. **Range** Select an existing enterprise project ID. **Default Value** 0
agency_name	No	String	**Definition** Specifies the agency name. **Constraints** If the selected agency does not have sufficient permissions, the task cannot be executed. Create an agency and grant permissions in**IAM**. **Range** Select an existing agency name. **Default Value** ServiceAgencyForCOC (recommended)
version_no	Yes	String	**Definition** Version number. **Constraints** N/A **Range** The value can be customized and contains 1 to 50 characters. **Default Value** 1.0.0

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Parameter	Mandatory	Type	Description
trigger_time	Yes	TriggerTime object	**Definition** Execution time details of a scheduled task. **Constraints** N/A **Range** For details, see the constraints on the value of TriggerTime. **Default Value** For details, see the constraints on the value of TriggerTime.
task_type	Yes	String	**Definition** Task type. **Constraints** N/A **Range** • SCRIPT: script • RUNBOOK: job **Default Value** SCRIPT
associated_task_id	Yes	String	**Definition** Associated task ID (script or job ID). **Constraints** The associated task must exist in the script or job management module. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
associated_task_type	Yes	String	**Definition** Type of an associated task. **Constraints** N/A **Range** • CUSTOMIZATION: custom script or job • COMMUNAL: public script or job **Default Value** CUSTOMIZATION
associated_task_name	Yes	String	**Definition** Associated task name (script name or job name). **Constraints** This parameter is used together with associated_task_id. **Range** N/A **Default Value** N/A
associated_task_name_en	No	String	**Definition** Name of an associated task. **Constraints** This parameter is used together with associated_task_id. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
associated_task_enterprise_project_id	No	String	**Definition** ID of the enterprise project of the associated task. **Constraints** This parameter is used together with associated_task_id. **Range** N/A **Default Value** N/A
runbook_instance_mode	No	String	**Definition** Mode of the target instance. **Constraints** Association method of instance resources. When the associated task type is job, this parameter is mandatory. **Range** • SAME: All job steps are associated with the same instance resource. • DIFF: Each task in each job step is associated with an independent instance resource. **Default Value** SAME
risk_level	Yes	String	**Definition** Risk level of a scheduled task. **Constraints** N/A **Range** • HIGH • MEDIUM • LOW **Default Value** HIGH

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Parameter	Mandatory	Type	Description
input_param	Yes	Map<String,String>	**Definition** Task execution parameters, that is, execution parameters of the script or job. **Constraints** JSON string, which contains a maximum of 50 key-value pairs. The length of each value is 0 to 16777215 characters. The value must be the same as the execution parameters of the script or job. For example, if the script is used, you need to specify the execution user, timeout interval, and input parameters. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
target_instances	Yes	Array of **ScheduleInstance** objects	**Definition** Target instance information. **Constraints** • If the task is associated with a script, the array has only one element, that is, the resource instance associated with the script. • If the task is associated with a job and the target instance is SAME, the array has only one element, that is, the resource instance associated with the job. • If the task is associated with a job and the target instance is DIFF, the number of elements in the array is the same as the number of steps of the associated job, that is, the resource instance to be operated is specified separately for each task in each step. **Range** N/A **Default Value** N/A
enable_approve	Yes	Boolean	**Definition** Whether to enable manual review upon data input. **Constraints** N/A **Range** A boolean value. **Default Value** true

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Parameter	Mandatory	Type	Description
reviewer_notification	No	**MessageNotification** object	**Definition** Reviewer notification information. **Constraints** N/A **Range** For details, see the constraints on the value of MessageNotification. **Default Value** For details, see the constraints on the value of MessageNotification.
reviewer_user_name	No	String	**Definition** Reviewer nickname. **Constraints** Select a person whose information is available in**Personnel Management**. **Range** N/A **Default Value** N/A
enable_message_notification	Yes	Boolean	**Definition** Whether to enable notification. **Constraints** N/A **Range** A boolean value. **Default Value** false

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Parameter	Mandatory	Type	Description
message_notification	No	**MessageNotification** object	**Definition** Notification information. **Constraints** N/A **Range** For details, see the constraints on the value of MessageNotification. **Default Value** For details, see the constraints on the value of MessageNotification.

Table 4-366 TicketInfo

Parameter	Mandatory	Type	Description
ticket_id	No	String	**Definition** ID of the service ticket related to change management. **Constraints** Select the service ticket that takes effect currently. **Range** N/A **Default Value** N/A
ticket_type	No	String	**Definition** Service ticket type **Constraints** N/A **Range** • CHANGE: change ticket. • INCIDENT: incident ticket. • WARROOM: war room ticket. **Default Value** N/A

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Parameter	Mandatory	Type	Description
target_id	No	String	**Definition** ID of the application associated with the service ticket. **Constraints** Select the application ID associated with the service ticket. **Range** N/A **Default Value** N/A
scope_id	No	String	**Definition** Region ID. **Constraints** Select the region ID associated with the service ticket. **Range** N/A **Default Value** N/A

Table 4-367 TriggerTime

Parameter	Mandatory	Type	Description
time_zone	Yes	String	**Definition** Time zone. **Constraints** N/A **Range** An existing time zone **Default Value** Asia/Shanghai (GMT+8)

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Parameter	Mandatory	Type	Description
policy	Yes	String	**Definition** Execution policy of a scheduled task. **Constraints** N/A **Range** • PERIODIC: The task is executed periodically. • ONCE: The task is executed only once. • CRON: The task is executed in cron expression. **Default Value** ONCE
single_scheduled_time	No	Long	**Definition** Execution time of a one-off scheduled task. **Constraints** When the scheduled task execution policy is one-off, this parameter is mandatory. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
periodic_scheduled_time	No	String	**Definition** Daily execution time of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Time string in 24-hour format. If the task is executed at 5:30 PM on the current day, the value is 17:30:00. **Default Value** Current time

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Parameter	Mandatory	Type	Description
period	No	String	**Definition** Week days of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Week days are separated by commas (,). Sunday is 1, and Monday is 2. Example: 1,2,4,5, indicating that the task is executed every Monday, Wednesday, Thursday, and Sunday. **Default Value** N/A
cron	No	String	**Definition** Cron expression of the scheduled task executed based on the cron expression. **Constraints** When the scheduled task execution policy is CRON, this parameter is mandatory. **Range** Use a valid cron expression. For example, if the task is executed at 10:15 AM every day, the value is 0 15 10 ? * *. **Default Value** N/A

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Parameter	Mandatory	Type	Description
scheduled_close_time	No	Long	**Definition** Execution end time of a scheduled task. **Constraints** When the scheduled task execution policy is PERIODIC or CRON, this parameter is mandatory, that is, the timestamp of the scheduled task rule expiration date. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A

Table 4-368 ScheduleInstance

Parameter	Mandatory	Type	Description
target_selection	Yes	String	**Definition** Target instance selection mode. **Constraints** N/A **Range** ALL: Select all instances. • MANUAL: manual selection. • NONE: No instance is specified. **Default Value** MANUAL

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Parameter	Mandatory	Type	Description
target_resource	No	TargetResource object	**Definition** Target instance search criteria. **Constraints** If the target instance selection mode is all instances, this parameter is mandatory. **Range** For details, see the constraints on the value of TargetResource. **Default Value** For details, see the constraints on the value of TargetResource.
target_instances	No	String	**Definition** Instance information. **Constraints** If the target instance selection mode is manual selection, this parameter is mandatory, indicating the details about the target instance resource. **Range** The value is a JSON string whose length range is 0 to 100000000. **Default Value** N/A
order_no	Yes	Integer	**Definition** Step No. **Constraints** • If a scheduled task is associated with a script, the value is 1. • If a scheduled task is associated with a job, the value indicates the step number in the job. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
batch_strategy	No	String	**Definition** Instance batch policy. **Constraints** • If a scheduled task is associated with a job and no resource instance needs to be specified for the current step, the value must be NONE. • If all Instances is selected, the value must be AUTO_BATCH. • If the resource instance is not empty, the value must be AUTO_BATCH or MANUAL_BATCH. **Range** • AUTO_BATCH: automatic batching • MANUAL_BATCH: manual batching • NONE: no batching **Default Value** N/A
sub_target_instances	No	Array of **ScheduleInstance** objects	**Definition** Level-2 resource instance information. **Constraints** If a step of the job associated with the scheduled task contains multiple tasks and the target instance mode is DIFF, this parameter is mandatory, indicating that the resource instance is specified separately for each task. **Range** Array whose length range is 0 to 100. **Default Value** N/A

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Table 4-369 TargetResource

Parameter	Mandatory	Type	Description
type	No	String	**Definition** Resource selection mode (REGION or APPLICATION), that is, selecting resource instances by region or application. **Constraints** N/A **Range** • REGION: Select resource instances by region. • APPLICATION: Select resource instances by application. **Default Value** REGION
id	No	String	**Definition** ID of the region or application. **Constraints** The value must match the selected region or application. **Range** N/A **Default Value** N/A
app_name	No	String	**Definition** Application name. Hierarchical relationships are separated by periods (.) **Constraints** When the resource selection mode is APPLICATION, this parameter is mandatory, that is, the name of the selected application. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
region_id	No	String	**Definition** ID of the region with which the application is associated. **Constraints** When the resource selection mode is APPLICATION, this parameter is mandatory, that is, the ID of the region associated with the selected application. **Range** N/A **Default Value** N/A
params	No	Array of **ResourceQuery** objects	**Definition** Dynamic query criteria of the resource instance. **Constraints** N/A **Range** For details, see the constraints on the value of ResourceQuery. **Default Value** For details, see the constraints on the value of ResourceQuery.

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Table 4-370 ResourceQuery

Parameter	Mandatory	Type	Description
key	Yes	String	**Definition** Attribute name of a resource. **Constraints** Select the attributes of resources in Application Resource Management, such as ep_id (enterprise project ID) and agent_state (UniAgent status). **Range** N/A **Default Value** N/A
value	Yes	String	**Definition** Parameter value of the resource attribute. **Constraints** Set the parameter value based on the selected key. **Range** N/A **Default Value** N/A

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Table 4-371 MessageNotification

Parameter	Mandatory	Type	Description
policy	No	String	**Definition** Notification policy **Constraints** When notification is enabled, this parameter is mandatory. The corresponding notification policy must be specified. **Range** • START_EXECUTION • EXECUTION_FAILED • EXECUTION_SUCCEEDED **Default Value** N/A
notification_endpoint_type	Yes	String	**Definition** Notification object type. **Constraints** N/A **Range** • USER: individual. • ONCALL: shift. **Default Value** ONCALL
schedule_scene_id	No	String	**Definition** ID of the shift scenario. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift scenario ID. If no, create a scenario ID by referring to**Creating a Shift Scenario**. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
schedule_role_id	No	String	**Definition** ID of the shift role. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift role ID. • Ensure that the selected role ID exists in the selected shift scenario. **Range** N/A **Default Value** N/A
recipients	No	String	**Definition** Notification recipient ID. **Constraints** • When the notification object type is individual, you need to specify the ID of the sender. Ensure that the selected notification recipient ID exists in**Personnel Management**. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
protocol	No	String	**Definition** Describes the notification slot. **Constraints** Ensure that the current channel has been subscribed to. For details, see user subscription in**Personnel Management**. **Range** • DEFAULT • NONE: no notification. • SMS • EMAIL • DingTalk • LARK • CALLNOTIFY • WECHAT **Default Value** DEFAULT: Select any notification method you have subscribed to. If you have not subscribed to any notification method, you cannot receive notifications.

Response Parameters

Status code: 200

Table 4-372 Response body parameters

Parameter	Type	Description
id	String	**Definition** ID of a scheduled task. **Range** A string of 26 characters starting with ST.

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Parameter	Type	Description
enterprise_project_id	String	**Definition** ID of the enterprise project associated with a scheduled task. **Range** Select a project ID that is available in**Enterprise Management**.
name	String	**Definition** Scheduled task name. **Range** The value can contain 3 to 100 characters, including letters, digits, hyphens (-), and underscores (_).
agency_name	String	**Definition** Name of the agency associated with a scheduled task. **Range** Agency created in **IAM**](tag:hws_hk)
trigger_time	**TriggerTime** object	**Definition** Execution policy of a scheduled task. **Range** For details, see the constraints on the value of TriggerTime.
version_no	String	**Definition** Version number. **Range** The value contains 1 to 50 characters.
task_type	Object	**Definition** Type (script or job) of the task associated with the scheduled task. **Range** • SCRIPT: script • RUNBOOK: job
associated_task_id	String	**Definition** ID (script or job ID) of the task associated with the scheduled task. **Range** ID of a task that exists in script management or job management.

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Parameter	Type	Description
associated_task_name	String	**Definition** Name (script or job name) of the task associated with the scheduled task. **Range** Name of a task that exists in script or job management.
associated_task_name_en	String	**Definition** Name (script or job name) of the associated task. **Range** Name of a task that exists in script or job management.
associated_task_type	String	**Definition** Attribute (public or custom) of the task associated with a scheduled task. **Range** • CUSTOMIZATION: custom script or job • COMMUNAL: public script or job
runbook_instance_mode	String	**Definition** Target instance mode of a scheduled task. **Range** • SAME: All job steps are associated with the same instance resource. • DIFF: Each task in each job step is associated with an independent instance resource.
risk_level	String	**Definition** Risk level of a scheduled task. **Range** • HIGH • MEDIUM • LOW

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Parameter	Type	Description
input_param	String	**Definition** Execution parameters of the scheduled task. **Range** JSON string, which contains a maximum of 50 key-value pairs. The length of each value is 0 to 16777215 characters. The value must be the same as the execution parameters of the script or job. For example, if the script is used, you need to specify the execution user, timeout interval, and input parameters.
enable_approve	Boolean	**Definition** Whether to enable manual review upon data input for a scheduled task. **Range** A boolean value.
reviewer_notification	**MessageNotification** object	**Definition** Reviewer notification information. **Range** For details, see the constraints on the value of MessageNotification.
created_user_name	String	**Definition** Nickname of the creator of a scheduled task. **Range** N/A
reviewer_user_name	String	**Definition** Nickname of the reviewer of a scheduled task. **Range** N/A
approve_status	Object	**Definition** Review status of a scheduled task. **Range** • PASSED: normal • PENDING: to be approved • REJECTED: rejected

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Parameter	Type	Description
approve_comments	String	**Definition** Review comment of a scheduled task. **Range** N/A
target_instances	String	**Definition** Target node of a scheduled task. The value is a JSON string. **Range** N/A
enable_message_notification	Boolean	**Definition** Whether to enable notification. **Range** N/A
message_notification	**MessageNotification** object	**Definition** Notification format of a scheduled task. **Range** For details, see the constraints on the value of MessageNotification.

Table 4-373 TriggerTime

Parameter	Type	Description
time_zone	String	**Definition** Time zone. **Constraints** N/A **Range** An existing time zone **Default Value** Asia/Shanghai (GMT+8)

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Parameter	Type	Description
policy	String	**Definition** Execution policy of a scheduled task. **Constraints** N/A **Range** • PERIODIC: The task is executed periodically. • ONCE: The task is executed only once. • CRON: The task is executed in cron expression. **Default Value** ONCE
single_scheduled_time	Long	**Definition** Execution time of a one-off scheduled task. **Constraints** When the scheduled task execution policy is one-off, this parameter is mandatory. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
periodic_scheduled_time	String	**Definition** Daily execution time of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Time string in 24-hour format. If the task is executed at 5:30 PM on the current day, the value is 17:30:00. **Default Value** Current time

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Parameter	Type	Description
period	String	**Definition** Week days of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Week days are separated by commas (,). Sunday is 1, and Monday is 2. Example: 1,2,4,5, indicating that the task is executed every Monday, Wednesday, Thursday, and Sunday. **Default Value** N/A
cron	String	**Definition** Cron expression of the scheduled task executed based on the cron expression. **Constraints** When the scheduled task execution policy is CRON, this parameter is mandatory. **Range** Use a valid cron expression. For example, if the task is executed at 10:15 AM every day, the value is 0 15 10 ? * *. **Default Value** N/A
scheduled_close_time	Long	**Definition** Execution end time of a scheduled task. **Constraints** When the scheduled task execution policy is PERIODIC or CRON, this parameter is mandatory, that is, the timestamp of the scheduled task rule expiration date. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A

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Table 4-374 MessageNotification

Parameter	Type	Description
policy	String	**Definition** Notification policy **Constraints** When notification is enabled, this parameter is mandatory. The corresponding notification policy must be specified. **Range** • START_EXECUTION • EXECUTION_FAILED • EXECUTION_SUCCEEDED **Default Value** N/A
notification_endpoint_type	String	**Definition** Notification object type. **Constraints** N/A **Range** • USER: individual. • ONCALL: shift. **Default Value** ONCALL
schedule_scene_id	String	**Definition** ID of the shift scenario. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift scenario ID. If no, create a scenario ID by referring to**Creating a Shift Scenario**. **Range** N/A **Default Value** N/A

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Parameter	Type	Description
schedule_role_id	String	**Definition** ID of the shift role. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift role ID. • Ensure that the selected role ID exists in the selected shift scenario. **Range** N/A **Default Value** N/A
recipients	String	**Definition** Notification recipient ID. **Constraints** • When the notification object type is individual, you need to specify the ID of the sender. Ensure that the selected notification recipient ID exists in**Personnel Management**. **Range** N/A **Default Value** N/A

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Parameter	Type	Description
protocol	String	**Definition** Describes the notification slot. **Constraints** Ensure that the current channel has been subscribed to. For details, see user subscription in**Personnel Management**. **Range** • DEFAULT • NONE: no notification. • SMS • EMAIL • DingTalk • LARK • CALLNOTIFY • WECHAT **Default Value** DEFAULT: Select any notification method you have subscribed to. If you have not subscribed to any notification method, you cannot receive notifications.

Status code: 400

Table 4-375 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

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Example Requests

Change the risk level of the scheduled task to low, execution policy to one-time execution, associated task type to script, and disable manual review and notification.

```
PUT https://{Endpoint}/v1/schedule/task/ST****

{
  "name" : "scheduled_task_name",
  "version_no" : "1.0.0",
  "enterprise_project_id" : "0",
  "task_type" : "SCRIPT",
  "associated_task_type" : "CUSTOMIZATION",
  "associated_task_id" : "SC****",
  "associated_task_enterprise_project_id" : "0",
  "associated_task_name" : "script_name",
  "input_param" : {
    "success_rate" : "100",
    "timeout" : "300",
    "execute_user" : "root",
    "project_id" : "****",
    "script_params" : "[{\"paramName\":\"parm\",\"paramValue\":\"****\",\"paramOrder\":1}]"
  },
  "target_instances" : [ {
    "target_selection" : "MANUAL",
    "target_instances" : "{\"batches\":[{\"batchIndex\":1,\"rotationStrategy\":\"CONTINUE\",\"targetInstances
\":[{\"resourceId\":\"****\",\"regionId\":\"***\",\"provider\":\"HCSS\",\"type\":\"L-INSTANCE\",\"agentSn\":\"****
\",\"agentStatus\":\"ONLINE\",\"nodeId\":\"\",\"enterpriseProjectId\":\"0\",\"properties\":{\"hostName\":\"****
\",\"fixedIp\":\"\",\"regionId\":\"***\",\"projectId\":\"****\"}}]}],\"policy\":\"none\",\"all_rotation
\":\"ALL_CONTINUE\"}",
    "order_no" : 0,
    "batch_strategy" : "NONE"
  } ],
  "runbook_instance_mode" : "SAME",
  "trigger_time" : {
    "time_zone" : "Asia/Shanghai",
    "policy" : "ONCE",
    "single_scheduled_time" : 1746866130000
  },
  "risk_level" : "LOW",
  "enable_approve" : false,
  "enable_message_notification" : false
}
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "approve_status" : "PASSED",
  "associated_task_id" : "SC****",
  "associated_task_name" : "script_name",
  "associated_task_type" : "CUSTOMIZATION",
  "created_user_name" : "****",
  "enable_approve" : false,
  "enable_message_notification" : false,
  "enterprise_project_id" : "0",
  "id" : "****",
  "input_param" : "{\"success_rate\":\"100\",\"timeout\":\"300\",\"execute_user\":\"root\",\"project_id\":\"****
\",\"script_params\":\"[{\\\"paramName\\\":\\\"parm\\\",\\\"paramValue\\\":\\\"****\\\",\\\"paramOrder\\\
\":1}]\"}",
  "name" : "11111",
  "risk_level" : "LOW",
  "runbook_instance_mode" : "SAME",
```

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```
 "target_instances" : "[{\"id\":\"****\",\"schedule_id\":\"ST****\",\"target_selection\":\"MANUAL
\",\"target_instances\":\"{\\\"batches\\\":[{\\\"batchIndex\\\":1,\\\"rotationStrategy\\\":\\\"CONTINUE\\\",\\
\"targetInstances\\\":[{\\\"resourceId\\\":\\\"****\\\",\\\"regionId\\\":\\\"***\\\",\\\"provider\\\":\\\"HCSS\\\",\\
\"type\\\":\\\"L-INSTANCE\\\",\\\"agentSn\\\":\\\"****\\\",\\\"agentStatus\\\":\\\"ONLINE\\\",\\\"nodeId\\\":\\
\"\\\",\\\"enterpriseProjectId\\\":\\\"0\\\",\\\"properties\\\":{\\\"hostName\\\":\\\"****\\\",\\\"fixedIp\\\":\\\"\\
\",\\\"regionId\\\":\\\"***\\\",\\\"projectId\\\":\\\"****\\\"}}]}],\\\"policy\\\":\\\"none\\\",\\\"all_rotation\\\":\\
\"ALL_CONTINUE\\\"}\",\"order_no\":0}]",
 "task_type" : "SCRIPT",
 "trigger_time" : {
  "policy" : "ONCE",
  "single_scheduled_time" : 1746866130000,
  "time_zone" : "Asia/Shanghai"
 },
 "version_no" : "1.0.0"
}
```


Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

Error Codes

See **Error Codes**.

4.5.4 Querying a Scheduled Task

Function

This API is used to query details about a scheduled O&M task by ID.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:get	Read	schedule *	-	-	-
		-	g:EnterpriseProjectId		

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URI

GET /v1/schedule/task/{task_id}

Table 4-376 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	**Definition** ID of a scheduled task. **Constraints** An existing task. **Range** A string of 26 characters starting with ST. **Default Value** N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-377 Response body parameters

Parameter	Type	Description
id	String	**Definition** ID of a scheduled task. **Range** A string of 26 characters starting with ST.
enterprise_project_id	String	**Definition** ID of the enterprise project associated with a scheduled task. **Range** Select a project ID that is available in**Enterprise Management**.

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Parameter	Type	Description
name	String	**Definition** Scheduled task name. **Range** The value can contain 3 to 100 characters, including letters, digits, hyphens (-), and underscores (_).
agency_name	String	**Definition** Name of the agency associated with a scheduled task. **Range** Agency created in **IAM**](tag:hws_hk)
trigger_time	**TriggerTime** object	**Definition** Execution policy of a scheduled task. **Range** For details, see the constraints on the value of TriggerTime.
version_no	String	**Definition** Version number. **Range** The value contains 1 to 50 characters.
task_type	Object	**Definition** Type (script or job) of the task associated with the scheduled task. **Range** • SCRIPT: script • RUNBOOK: job
associated_task_id	String	**Definition** ID (script or job ID) of the task associated with the scheduled task. **Range** ID of a task that exists in script management or job management.
associated_task_name	String	**Definition** Name (script or job name) of the task associated with the scheduled task. **Range** Name of a task that exists in script or job management.

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Parameter	Type	Description
associated_task_name_en	String	**Definition** Name (script or job name) of the associated task. **Range** Name of a task that exists in script or job management.
associated_task_type	String	**Definition** Attribute (public or custom) of the task associated with a scheduled task. **Range** • CUSTOMIZATION: custom script or job • COMMUNAL: public script or job
runbook_instance_mode	String	**Definition** Target instance mode of a scheduled task. **Range** • SAME: All job steps are associated with the same instance resource. • DIFF: Each task in each job step is associated with an independent instance resource.
risk_level	String	**Definition** Risk level of a scheduled task. **Range** • HIGH • MEDIUM • LOW
input_param	String	**Definition** Execution parameters of the scheduled task. **Range** JSON string, which contains a maximum of 50 key-value pairs. The length of each value is 0 to 16777215 characters. The value must be the same as the execution parameters of the script or job. For example, if the script is used, you need to specify the execution user, timeout interval, and input parameters.

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Parameter	Type	Description
enable_approve	Boolean	**Definition** Whether to enable manual review upon data input for a scheduled task. **Range** A boolean value.
reviewer_notification	**MessageNotification** object	**Definition** Reviewer notification information. **Range** For details, see the constraints on the value of MessageNotification.
created_user_name	String	**Definition** Nickname of the creator of a scheduled task. **Range** N/A
reviewer_user_name	String	**Definition** Nickname of the reviewer of a scheduled task. **Range** N/A
approve_status	Object	**Definition** Review status of a scheduled task. **Range** • PASSED: normal • PENDING: to be approved • REJECTED: rejected
approve_comments	String	**Definition** Review comment of a scheduled task. **Range** N/A
target_instances	String	**Definition** Target node of a scheduled task. The value is a JSON string. **Range** N/A

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Parameter	Type	Description
enable_message_notification	Boolean	**Definition** Whether to enable notification. **Range** N/A
message_notification	**MessageNotification** object	**Definition** Notification format of a scheduled task. **Range** For details, see the constraints on the value of MessageNotification.

Table 4-378 TriggerTime

Parameter	Type	Description
time_zone	String	**Definition** Time zone. **Constraints** N/A **Range** An existing time zone **Default Value** Asia/Shanghai (GMT+8)
policy	String	**Definition** Execution policy of a scheduled task. **Constraints** N/A **Range** • PERIODIC: The task is executed periodically. • ONCE: The task is executed only once. • CRON: The task is executed in cron expression. **Default Value** ONCE

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Parameter	Type	Description
single_scheduled_time	Long	**Definition** Execution time of a one-off scheduled task. **Constraints** When the scheduled task execution policy is one-off, this parameter is mandatory. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
periodic_scheduled_time	String	**Definition** Daily execution time of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Time string in 24-hour format. If the task is executed at 5:30 PM on the current day, the value is 17:30:00. **Default Value** Current time
period	String	**Definition** Week days of a periodic scheduled task. **Constraints** When the scheduled task execution policy is periodic, this parameter is mandatory. **Range** Week days are separated by commas (,). Sunday is 1, and Monday is 2. Example: 1,2,4,5, indicating that the task is executed every Monday, Wednesday, Thursday, and Sunday. **Default Value** N/A

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Parameter	Type	Description
cron	String	**Definition** Cron expression of the scheduled task executed based on the cron expression. **Constraints** When the scheduled task execution policy is CRON, this parameter is mandatory. **Range** Use a valid cron expression. For example, if the task is executed at 10:15 AM every day, the value is 0 15 10 ? * *. **Default Value** N/A
scheduled_close_time	Long	**Definition** Execution end time of a scheduled task. **Constraints** When the scheduled task execution policy is PERIODIC or CRON, this parameter is mandatory, that is, the timestamp of the scheduled task rule expiration date. **Range** Milliseconds-level UTC timestamp. **Default Value** N/A

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Table 4-379 MessageNotification

Parameter	Type	Description
policy	String	**Definition** Notification policy **Constraints** When notification is enabled, this parameter is mandatory. The corresponding notification policy must be specified. **Range** • START_EXECUTION • EXECUTION_FAILED • EXECUTION_SUCCEEDED **Default Value** N/A
notification_endpoint_type	String	**Definition** Notification object type. **Constraints** N/A **Range** • USER: individual. • ONCALL: shift. **Default Value** ONCALL
schedule_scene_id	String	**Definition** ID of the shift scenario. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift scenario ID. If no, create a scenario ID by referring to**Creating a Shift Scenario**. **Range** N/A **Default Value** N/A

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Parameter	Type	Description
schedule_role_id	String	**Definition** ID of the shift role. **Constraints** • When the notification object type is on-call, this parameter is mandatory. That is, you need to specify the shift role ID. • Ensure that the selected role ID exists in the selected shift scenario. **Range** N/A **Default Value** N/A
recipients	String	**Definition** Notification recipient ID. **Constraints** • When the notification object type is individual, you need to specify the ID of the sender. Ensure that the selected notification recipient ID exists in**Personnel Management**. **Range** N/A **Default Value** N/A

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Parameter	Type	Description
protocol	String	**Definition** Describes the notification slot. **Constraints** Ensure that the current channel has been subscribed to. For details, see user subscription in**Personnel Management**. **Range** • DEFAULT • NONE: no notification. • SMS • EMAIL • DingTalk • LARK • CALLNOTIFY • WECHAT **Default Value** DEFAULT: Select any notification method you have subscribed to. If you have not subscribed to any notification method, you cannot receive notifications.

Status code: 400

Table 4-380 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

Example Requests

Query details about a scheduled O&M task by task ID.

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```
GET https://{Endpoint}/v1/schedule/task/ST****
```

Example Responses

Status code: 200

Request result is returned.


```
{
  "approve_status" : "PASSED",
  "associated_task_id" : "SC****",
  "associated_task_name" : "script_name",
  "associated_task_type" : "CUSTOMIZATION",
  "created_user_name" : "****",
  "enable_approve" : false,
  "enable_message_notification" : false,
  "enterprise_project_id" : "0",
  "id" : "****",
  "input_param" : "{\"success_rate\":\"100\",\"timeout\":\"300\",\"execute_user\":\"root\",\"project_id\":\"****
\",\"script_params\":\"[{\\\"paramName\\\":\\\"parm\\\",\\\"paramValue\\\":\\\"****\\\",\\\"paramOrder\\
\":1}]\"}",
  "name" : "11111",
  "risk_level" : "LOW",
  "runbook_instance_mode" : "SAME",
  "target_instances" : "[{\"id\":\"****\",\"schedule_id\":\"ST****\",\"target_selection\":\"MANUAL
\",\"target_instances\":\"{\\\"batches\\\":[{\\\"batchIndex\\\":1,\\\"rotationStrategy\\\":\\\"CONTINUE\\\",\\
\"targetInstances\\\":[{\\\"resourceId\\\":\\\"****\\\",\\\"regionId\\\":\\\"***\\\",\\\"provider\\\":\\\"HCSS\\\",\\
\"type\\\":\\\"L-INSTANCE\\\",\\\"agentSn\\\":\\\"****\\\",\\\"agentStatus\\\":\\\"ONLINE\\\",\\\"nodeId\\\":\\
\"\\\",\\\"enterpriseProjectId\\\":\\\"0\\\",\\\"properties\\\":{\\\"hostName\\\":\\\"****\\\",\\\"fixedIp\\\":\\\"\\
\",\\\"regionId\\\":\\\"***\\\",\\\"projectId\\\":\\\"****\\\"}}]}],\\\"policy\\\":\\\"none\\\",\\\"all_rotation\\\":\\
\"ALL_CONTINUE\\\"}\",\"order_no\":0}]",
  "task_type" : "SCRIPT",
  "trigger_time" : {
    "policy" : "ONCE",
    "single_scheduled_time" : 1746866130000,
    "time_zone" : "Asia/Shanghai"
  },
  "version_no" : "1.0.0"
}
```


Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

Error Codes

See **Error Codes**.

4.5.5 Deleting a Scheduled Task

Function

This API is used to delete a scheduled task by ID.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:delete	Write	schedule *	g:EnterpriseProjectId	-	-

URI

DELETE /v1/schedule/task/{task_id}

Table 4-381 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	**Definition** ID of a scheduled task. **Constraints** An existing task that is disabled. **Range** A string of 26 characters starting with ST. **Default Value** N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-382 Response body parameters

Parameter	Type	Description
data	String	**Definition** Interface response data. **Range** N/A

Status code: 400

Table 4-383 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

Example Requests

Delete a scheduled O&M task by task ID.

```
DELETE https://{Endpoint}/v1/schedule/task/ST****
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "data" : "ST****"
}
```

Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

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Error Codes

See **Error Codes**.

4.5.6 Enabling a Scheduled Task

Function

This API is used to start a scheduled O&M task by ID.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:enable	Write	schedule *	g:EnterpriseProjectId	-	-

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
		-	• coc:TicketLevel • coc:TicketScope • coc:RequestScope • coc:TicketCurrentHandlers • coc:TicketStatus • coc:TicketType • coc:TicketBeginTime • coc:TicketEndTime • coc:RequestTarget • coc:TicketTarget • coc:OperatorName • coc:EscapeSwitchIsEnabled		

URI

POST /v1/schedule/task/{task_id}/enable

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Table 4-384 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	**Definition** ID of a scheduled task. **Constraints** An existing task that is disabled. **Range** A string of 26 characters starting with ST. **Default Value** N/A

Request Parameters

Table 4-385 Request body parameters

Parameter	Mandatory	Type	Description
ticket_infos	No	Array of **TicketInfo** objects	**Definition** For details about the configuration information related to change management, see **Change Management**](tag:hws_hk). **Constraints** If service ticket authorization has been enabled for the current API in the change control module, this parameter is mandatory, that is, the corresponding privilege escalation information is provided. **Range** N/A **Default Value** N/A

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Table 4-386 TicketInfo

Parameter	Mandatory	Type	Description
ticket_id	No	String	**Definition** ID of the service ticket related to change management. **Constraints** Select the service ticket that takes effect currently. **Range** N/A **Default Value** N/A
ticket_type	No	String	**Definition** Service ticket type **Constraints** N/A **Range** • CHANGE: change ticket. • INCIDENT: incident ticket. • WARROOM: war room ticket. **Default Value** N/A
target_id	No	String	**Definition** ID of the application associated with the service ticket. **Constraints** Select the application ID associated with the service ticket. **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
scope_id	No	String	**Definition** Region ID. **Constraints** Select the region ID associated with the service ticket. **Range** N/A **Default Value** N/A

Response Parameters

Status code: 200

Table 4-387 Response body parameters

Parameter	Type	Description
data	String	**Definition** Interface response data. **Range** N/A

Status code: 400

Table 4-388 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

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Example Requests

Enable a scheduled O&M task by task ID.

```
POST https://{Endpoint}/v1/schedule/task/ST****/enable
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "data" : "ST****"
}
```

Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

Error Codes

See **Error Codes**.

4.5.7 Disabling a Scheduled Task

Function

This API is used to disable scheduled O&M tasks by task ID.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:disable	Write	schedule *	g:EnterpriseProjectId	-	-

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URI

POST /v1/schedule/task/{task_id}/disable

Table 4-389 Path Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	**Definition** ID of a scheduled task. **Constraints** An existing task that is enabled. **Range** A string of 26 characters starting with ST. **Default Value** N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-390 Response body parameters

Parameter	Type	Description
data	String	**Definition** Interface response data. **Range** N/A

Status code: 400

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Table 4-391 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

Example Requests

Disable a scheduled O&M task by task ID.

```
POST https://{Endpoint}/v1/schedule/task/ST****/disable
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "data" : "ST****"
}
```

Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

Error Codes

See **Error Codes**.

4.5.8 Querying Historical Scheduled O&M Records

Function

This API is used to query execution history of scheduled O&M tasks based on specified conditions.

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Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:schedule:getHistories	Read	schedule *	g:EnterpriseProjectId	-	-

URI

GET /v1/schedule/task/history

Table 4-392 Query Parameters

Parameter	Mandatory	Type	Description
task_id	Yes	String	**Definition** ID of a scheduled task. **Constraints** An existing task. **Range** A string of 26 characters starting with ST. **Default Value** N/A

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Parameter	Mandatory	Type	Description
id	No	String	**Definition** ID of the script service ticket or job service ticket associated with the scheduled task. **Constraints** ID of a service ticket that actually exists in script management or job management. **Range** N/A **Default Value** N/A
region	No	String	**Definition** Region to which a scheduled task belongs. **Constraints** N/A **Range** N/A **Default Value** N/A
status	No	String	**Definition** Execution status of a scheduled task. **Constraints** N/A **Range** The value can be READY, PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED. **Default Value** N/A

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Parameter	Mandatory	Type	Description
started_start_time	No	Long	**Definition** Start timestamp of the query interval for the execution start time of the scheduled task. **Constraints** N/A **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
started_end_time	No	Long	**Definition** End timestamp of the query interval for the execution start time of the scheduled task. **Constraints** N/A **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
finished_start_time	No	Long	**Definition** Start timestamp of the query interval for the execution end time of the task. **Constraints** N/A **Range** Milliseconds-level UTC timestamp. **Default Value** N/A

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Parameter	Mandatory	Type	Description
finished_end_time	No	Long	**Definition** End timestamp of the query interval for the execution end time of the task. **Constraints** N/A **Range** Milliseconds-level UTC timestamp. **Default Value** N/A
marker	No	String	**Definition** Used for pagination query. **Constraints** ID of the last record on the previous page. **Range** N/A **Default Value** N/A
offset	No	Integer	**Definition** Offset pointers queried by page. **Constraints** N/A **Range** N/A **Default Value** N/A
limit	Yes	Integer	**Definition** Number of queried results, by page. **Constraints** N/A **Range** N/A **Default Value** N/A

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Parameter	Mandatory	Type	Description
sort_key	No	String	**Definition** Name of the field to be sorted. **Constraints** N/A **Range** • create_time: time when the scheduled task is created. • update_time: time when the scheduled task is updated. • started_time: time when the scheduled task starts to be executed. • finished_time: time when the scheduled task execution ends. **Default Value** N/A
sort_dir	No	String	**Definition** Sorting method, which is used together with sort_key. **Constraints** N/A **Range** • asc: ascending order. • desc: descending order. **Default Value** desc

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-393 Response body parameters

Parameter	Type	Description
count	Long	**Definition** Total number of scheduled task historical execution records. **Range** N/A
next_maker	String	**Definition** Pagination marker. **Range** N/A
scheduled_task_history_list	Array of **ScheduledTaskHistory** objects	**Definition** Scheduled task historical execution records. **Range** For details, see the constraints on the value of ScheduledTaskHistory.

Table 4-394 ScheduledTaskHistory

Parameter	Type	Description
id	String	**Definition** ID of the scheduled task historical execution record. **Range** N/A
task_type	String	**Definition** Type of the task associated with a scheduled task. **Range** • SCRIPT: script • RUNBOOK: job
execution_id	String	**Definition** ID of the service ticket associated with a scheduled task. **Range** N/A

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Parameter	Type	Description
associated_task_name	String	**Definition** Name of the task associated with a scheduled task. **Range** N/A
associated_task_name_en	String	**Definition** Name of the task associated with a scheduled task. **Range** N/A
region	String	**Definition** Region where the instance resource associated with the scheduled task is located. **Range** N/A
created_by	String	**Definition** IAM user ID of the creator of a scheduled task. **Range** N/A
started_time	Long	**Definition** Timestamp of the scheduled task start execution. **Range** N/A
finished_time	Long	**Definition** Timestamp of the scheduled task end execution. **Range** N/A
status	String	**Definition** Execution status of a scheduled task. **Range** The value can be READY, PROCESSING, ABNORMAL, PAUSED, CANCELED, and FINISHED.

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Parameter	Type	Description
execution_msg	String	**Definition** Description of the scheduled task execution result. **Range** N/A

Status code: 400

Table 4-395 Response body parameters

Parameter	Type	Description
error_code	String	**Definition** Result code. **Range** N/A
error_msg	String	**Definition** Error description. **Range** N/A

Example Requests

Query the first 10 successful execution records by task ID. The results are displayed in descending order by start time.

```
GET /v1/schedule/task/history?
task_id=ST****&limit=10&offset=0&sort_key=started_time&sort_dir=desc&status=FINISHED
```

Example Responses

Status code: 200

Request result is returned.

```
{
  "count" : 1,
  "next_maker" : "****",
  "scheduled_task_history_list" : [ {
    "associated_task_name" : "****",
    "created_by" : "****",
    "execution_id" : "SC****",
    "finished_time" : 1745659982000,
    "id" : "****",
    "region" : "***",
    "started_time" : 1745659970000,
    "status" : "FINISHED",
    "task_type" : "SCRIPT"
```

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```
 }]
}
```

Status Codes

Status Code	Description
200	Request result is returned.
400	The server failed to process the request is returned.

Error Codes

See **Error Codes**.

4.6 Fault Management

4.6.1 Incident Management

4.6.1.1 Creating an Incident Ticket

Function

Create an incident ticket.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:create	Write	-	-	-	-

URI

POST /v1/external/incident/create

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Request Parameters

Table 4-396 Request body parameters

Parameter	Mandatory	Type	Description
region	No	Array of strings	Region code. If a WarRoom is automatically created, this field is mandatory. Currently, only one region code is supported.
enterprise_project	No	Array of strings	Enterprise project ID. Currently, only one enterprise project ID is supported.
start_time	No	Long	Timestamp when a fault occurs.
current_cloud_service	No	Array of strings	Home application ID. Currently, only one ID is supported.
incident_level	Yes	String	Incident Level For details, see [Event Level](coc_api_04_03_001_006.xml) incident_level.
is_service_interrupt	Yes	String	Whether the service is interrupted. The value can be true or false.
incident_type	Yes	String	Incident type. For details, see [Event Type](coc_api_04_03_001_006.xml) incident_type.
incident_ownership	No	String	Ownership For details, see [Event](coc_api_04_03_001_006.xml) incident_ownership.
incident_title	Yes	String	Event title. The value contains a maximum of 200 characters.
incident_description	No	String	Event description. The value contains a maximum of 600 characters.
incident_source	Yes	String	Document Source For details, see [Event Source](coc_api_04_03_001_006.xml) incident_source.

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Parameter	Mandatory	Type	Description
incident_assignee	No	Array of strings	The owner, scheduling scenario, and scheduling role cannot be empty at the same time. Currently, only one owner, scheduling scenario, and scheduling role are supported.
assignee_scene	No	String	In the scheduling scenario, the owner and scheduling role cannot be empty at the same time.
assignee_role	No	String	The scheduling role, scheduling scenario, and owner cannot be empty at the same time.
creator	Yes	String	Ticket creator.

Response Parameters

Status code: 200

Table 4-397 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

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Parameter	Type	Description
data	**CreateExternalIncidentResponseData** object	ID of the created ticket.

Table 4-398 CreateExternalIncidentResponseData

Parameter	Type	Description
incident_num	String	Event ticket number.

Status code: 400

Table 4-399 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Create an incident ticket.

```
https://{Endpoint}/v1/external/incident/create

{
  "incident_type" : "inc_type_p_security_issues",
  "creator" : "9605B67C741D4553887A3462771107D3",
```

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```
  "current_cloud_service" : [ "app001" ],
  "assignee_scene" : "",
  "is_service_interrupt" : true,
  "enterprise_project" : [ "0" ],
  "incident_description" : "Incident description",
  "incident_assignee" : [ "9605B67C741D4553887A3462771107D3" ],
  "incident_level" : "level_50",
  "assignee_role" : "",
  "incident_title" : "Incident title",
  "incident_source" : "incident_source_manual",
  "region" : [ "OCB_Cloud" ]
}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "incident_num" : "IM20250422143448018764190 6"
  }
}
```

Status code: 400

The request failed to be processed due to bad syntax.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameters",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The request failed to be processed due to bad syntax. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

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4.6.1.2 Incident-related Enumeration Information

Incident Levels

For details about the incident levels, see **Table 4-400**.

Table 4-400 Incident levels

KEY	English Name
level_10	P1
level_20	P2
level_30	P3
level_40	P4
level_50	P5

Incident Type

For details about the incident ticket types, see **Table 4-401**.

Table 4-401 Incident types

KEY	English Name
inc_type_p_security_issues	Security issues
inc_type_p_function_issues	function issues
inc_type_p_reliability_issues	reliability issues
inc_type_p_config_issues	config issues
inc_type_p_middleware_issues	middleware issues
inc_type_p_hardware_issues	hardware issues
inc_type_p_networking_issues	networking issues
inc_type_p_shelter_issues	shelter issues
inc_type_p_monitoring_issues	monitoring issues
inc_type_p_consulting_issues	consulting issues
inc_type_p_suppliers_issues	Supplier issues
inc_type_p_ohter_issues	Other issues
inc_type_p_change_issues	Change operation problem

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Incident Sources

For details about the incident ticket sources, see **Table 4-402**.

Table 4-402 Incident sources

KEY	English Name
incident_source_manual	Manual Creation
incident_source_forwarding	Transfer creation
incident_source_alarm	alarm

Incident Statuses

For details about the incident ticket status, see **Table 4-403**.

Table 4-403 Incident statuses

status KEY	English Name
incident_draft	DRAFT
INCIDENT_STATUS_TRIGGERED	TRIGGERED
INCIDENT_STATUS_ACKNOWLEDGED	ACKNOWLEDGED
INCIDENT_STATUS_REJECTED	REJECTED
INCIDENT_STATUS_RESOLVED	RESOLVED
INCIDENT_STATUS_COMPLETED	COMPLETED

Incident Ownership

For details about an incident ticket status, see **Table 4-404**.

Table 4-404 Ownership

status KEY	English Name
incident_ownership_100	Alarm Discovery
incident_ownership_200	Customer Report Faults
incident_ownership_300	Proactive Operation And Maintenance
incident_ownership_1000	Other

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4.6.1.3 Processing an Incident Ticket

Function

This API is used to execute the event ticket process. Currently, only the following functions are supported: accepting an event ticket, submitting an event ticket solution, and verifying the event handling result.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:action	Write	-	-	-	-

URI

POST /v1/external/incident/handle

Request Parameters

Table 4-405 Request body parameters

Parameter	Mandatory	Type	Description
incident_num	Yes	String	Event ticket number.
operator	Yes	String	Operator ID.
operate_key	Yes	String	Operation type

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Parameter	Mandatory	Type	Description
parameter	No	Map<String,Object>	Input parameter. The input parameter verification varies depending on the scenario, and the required parameter keys are different. • Handling, optional, not transferred or null • Submit the incident ticket solution, which is mandatory. The following fields are added: • mtm_type: event type, which is an enumerated value and is mandatory. • is_service_interrupt: indicates whether the service is interrupted. This parameter is mandatory. The value is Boolean. The options are true and false. • cause: mandatory. The value is a character string containing a maximum of 10,000 characters. • Solution: mandatory. The value is a string of a maximum of 10,000 characters. • Verification event handling result, which is mandatory. The following fields are added: • virtual_confirm_result: (mandatory) verification result. The value is of the Boolean type. The options are true (default) and false. • virtual_confirm_comment: verification description, which is mandatory. The value is a character string containing a maximum of 300 characters.

Response Parameters

Status code: 200

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Table 4-406 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	Object	Information returned after different actions are performed. Currently, the value is fixed to null.

Status code: 400

Table 4-407 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

- Accept the incident ticket.

```
https://{Endpoint}/v1/external/incident/handle

{
  "incident_num" : "IM20240322151506017175378l",
  "operator" : "7da46971b7e24eed90cf777cc2ff8b91",
  "operate_key" : "acceptedIncident1",
  "parameter" : { }
}
```

- Submit a solution to the incident ticket.

```
https://{Endpoint}/v1/external/incident/handle

{
  "incident_num" : "IM20240322151506017175378l",
  "operator" : "7da46971b7e24eed90cf777cc2ff8b91",
  "operate_key" : "commitSolution1",
  "parameter" : {
    "mtm_type" : "inc_type_p_config_issues",
    "is_service_interrupt" : true,
    "cause" : "100001",
    "solution" : "20001"
  }
}
```

- Verify the event handling result.

```
https://{Endpoint}/v1/external/incident/handle

{
  "incident_num" : "IM20240322151506017175378l",
  "operator" : "7da46971b7e24eed90cf777cc2ff8b91",
  "operate_key" : "confirm",
  "parameter" : {
    "virtual_confirm_result" : false,
    "virtual_confirm_comment" : "13"
  }
}
```

Example Responses

Status code: 200

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Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : null
}
```

Status code: 400

The request failed to be processed due to bad syntax.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameters",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The request failed to be processed due to bad syntax. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.1.4 Obtaining Event Ticket Details

Function

Obtain event ticket details.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:get	Read	-	-	-	-

URI

GET /v1/external/incident/{incident_num}

Table 4-408 Path Parameters

Parameter	Mandatory	Type	Description
incident_num	Yes	String	Unique ID of an incident ticket.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-409 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000

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Parameter	Type	Description
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**CocIncidentTicketDetailInfoResponseData** object	Event ticket details.

Table 4-410 CocIncidentTicketDetailInfoResponseData

Parameter	Type	Description
incident_num	String	Event ticket number.
region	Array of strings	Region code. If a WarRoom is automatically created, this field is mandatory. Currently, only one region code is supported.
enterprise_project	Array of strings	Enterprise project ID. Currently, only one enterprise project ID is supported.
current_cloud_service	Array of strings	Home application ID. Currently, only one ID is supported.
incident_level	String	Incident Level For details, see Enumeration [Event Level] (coc_api_04_03_001_006.xml).
is_service_interrupt	Boolean	Whether the service is interrupted. The value can be true or false.
start_time	Long	Timestamp when a fault occurs.
fault_recovery_time	Long	Fault recovery timestamp.
fault_delineation_time	Long	Timestamp when the demarcation is complete.
incident_type	String	Incident type. For details, see Enumeration [Event Type] (coc_api_04_03_001_006.xml).
incident_title	String	Event title. The value contains a maximum of 200 characters.
incident_description	String	Event description. The value contains a maximum of 600 characters.

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Parameter	Type	Description
incident_source	String	Document Source For details, see Enumeration [Event Type] (coc_api_04_03_001_006.xml).
incident_ownership	String	Ownership For details, see Enumeration [Event Belonging] (coc_api_04_03_001_006.xml).
incident_assignee	Array of strings	The owner, scheduling scenario, and scheduling role cannot be empty at the same time. Currently, only one owner, scheduling scenario, and scheduling role are supported.
assignee_scene	String	In the scheduling scenario, the owner and scheduling role cannot be empty at the same time.
assignee_role	String	The scheduling role, scheduling scenario, and owner cannot be empty at the same time.
warroom_id	String	warroom_id.
handle_time	Long	Timestamp when the solution is submitted for the last time.
status	String	Status key.
create_time	Long	Ticket creation timestamp.
creator	String	Ticket creator.
enum_data_list	Array of **TicketInfoEnumData** objects	Enumeration list.

Table 4-411 TicketInfoEnumData

Parameter	Type	Description
filed_key	String	The field key identifies the field.
enum_key	String	Enumeration key.
name_zh	String	Chinese name
name_en	String	Specifies the carrier name in English.

Status code: 400

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Table 4-412 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Obtain event ticket details.

```
https://{Endpoint}/v1/external/incident/{incident_num}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "provider_code" : "049",
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "data" : {
    "incident_num" : "207E3F5A248A4F5DAABC012C7E",
    "region" : [ "OCB_cloud" ],
    "enterprise_project" : null,
    "current_cloud_service" : [ "6470681a31da2a47ed50a919" ],
    "incident_level" : "level_10",
    "is_service_interrupt" : true,
    "start_time" : null,
    "incident_type" : "inc_type_p_security_issues",
    "incident_title" : "FA3698893F",
    "incident_description" : "FA3698893F",
    "incident_source" : "incident_source_manual",
    "incident_ownership" : null,
```

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```
    "incident_assignee" : [ "01649a08fb744291a952f3c470b92f9e" ],
    "assignee_scene" : "",
    "assignee_role" : "",
    "warroom_id" : null,
    "handle_time" : null,
    "status" : "INCIDENT_STATUS_TRIGGERED",
    "create_time" : 1700035856542,
    "fault_recovery_time" : 1700035856542,
    "fault_delineation_time" : 1700035856542,
    "creator" : "9fec03ee5b1040818b91bef6e16213df",
    "enum_data_list" : [ {
      "filed_key" : "current_cloud_service_id",
      "enum_key" : "6470681a31da2a47ed50a919",
      "name_zh" : null,
      "name_en" : null
    }, {
      "filed_key" : "creator",
      "enum_key" : "9fec03ee5b1040818b91bef6e16213df",
      "name_zh" : null,
      "name_en" : null
    }, {
      "filed_key" : "level_id",
      "enum_key" : "level_10",
      "name_zh" : "P1",
      "name_en" : "P1"
    }, {
      "filed_key" : "work_flow_status",
      "enum_key" : "INCIDENT_STATUS_TRIGGERED",
      "name_zh" : "Not yet accepted",
      "name_en" : "TRIGGERED"
    }, {
      "filed_key" : "mtm_type",
      "enum_key" : "inc_type_p_security_issues",
      "name_zh" : "Security",
      "name_en" : "Security issues"
    }, {
      "filed_key" : "source_id",
      "enum_key" : "incident_source_manual",
      "name_zh" : "Manual creation",
      "name_en" : "Manual Creation"
    }, {
      "filed_key" : "assignee",
      "enum_key" : "01649a08fb744291a952f3c470b92f9e",
      "name_zh" : null,
      "name_en" : null
    } ]
  }
}
```


Status code: 400

The request failed to be processed due to bad syntax.

For more status codes, see **Status Codes**.


```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameters",
  "provider_code" : 4,
  "data" : null
}
```


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Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The request failed to be processed due to bad syntax. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.1.5 Querying Incident Tickets

Function

This API is used to query the incident object list.

Authorization

Each account has all of the permissions required to call all APIs, but IAM users must have the required permissions specifically assigned.

- If you are using role- or policy-based authorization, refer to **Permissions Policies and Supported Actions** to obtain the permissions required.
- If you are using identity policy-based authorization, the permission listed below is required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependent Action
coc:ticket:list	List	-	-	-	-

URI

POST /v2/incidents/list

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Request Parameters

Table 4-413 Request body parameters

Parameter	Type	Mandatory	Description
page	Integer	No	**Definition:** Pagination parameter of the API for querying the incident tickets, indicating the current page number. The preset value is used to query the data on the first page. **Constraints** N/A **Range:** 1 to 1,000,000 **Default Value**: 1
per_page	Integer	No	**Definition:** Pagination parameter of the API for querying the incident tickets, indicating the number of incidents queried on each page. **Constraints** N/A **Range:** 1 to 200 **Default value**: 10
contain_all	Boolean	No	**Definition:** Whether to return all data. **Constraints** N/A **Range:** true/false **Default value**: false

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Parameter	Type	Mandatory	Description
contain_total	Boolean	No	**Definition:** Whether the query result contains the total number of incident tickets that can be queried under the current conditions. **Constraints** N/A **Range:** true/false **Default value**: true
contain_sub_ticket	Boolean	No	**Definition:** Whether the query result contains sub-ticket information. **Constraints**: N/A **Range:** true/false **Default value**: true
string_filters	Array of **ObjectFilterV2**	No	**Definition:** Filter for querying incident tickets. **Constraints** Maximum character length: 20 **Range:** N/A **Default value**: N/A
sort_filter	**ObjectFilterV2** object	No	**Definition:** Filter for sorting incident tickets. **Constraints** Maximum character length: 10 **Range**: N/A **Default value**: N/A

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Parameter	Type	Mandatory	Description
condition	String	No	**Definition:** Expression. Complex expressions may contain parentheses (), ampersands (&), or vertical bars (|). Example: **(filterName1 & filterName2) | filterName3**. **filterName***: obtained from **string_filters ObjectFilter.name**. If this parameter is empty, the preset value of the condition in **string_filters** is AND. **Constraints** String **Range**: Length: 1 to 10,000 characters **Default value**: N/A
count_filters	Array of CountFilterV2	No	**Definition:** Filter for counting the number of service tickets. **Constraints** Array length: 0 to 10 characters **Range**: N/A **Default value**: N/A
fields	Array of String	No	**Definition**: Fields returned by the API. **Constraints**: Array length: **0** to **100** **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
group_by_filter	**ObjectFilterV2** object	No	**Definition:** Group filter **Constraints** Array length: 0 to 20 characters **Range:** N/A **Default Value**: N/A
int_filters	Array of **ObjectFilterV2**	No	**Definition:** Integer filter **Constraints** Array length: 0 to 20 characters **Range:** N/A **Default Value**: N/A
ticket_types	Array of String	No	**Definition:** Type of the service ticket to be queried. The value is incident in the scenario where the incident list is obtained. **Constraints** Array length: 0 to 5 characters **Range:** N/A **Default Value**: N/A

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Table 4-414 CountFilterV2 parameters

Parameter	Type	Mandatory	Description
name	String	No	**Definition:** Filter name, which is used for the concatenation of condition expressions. **Constraints** String **Range**: 0 to 255 characters **Default value**: N/A
filters	Array of **ObjectFilterV2**	No	**Definition:** Statistics quantity filter. **Constraints** Array length: 0 to 10 characters **Range**: N/A **Default value**: N/A

Table 4-415 ObjectFilterV2 parameters

Parameter	Type	Mandatory	Description
name	String	No	**Definition:** Filter name, which is used for the concatenation of condition expressions. **Constraints** String **Range:** 0 to 255 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
field	String	Yes	**Definition:** Field key. For details about the value, see **Table 4-417**. **Constraints** String **Range:** 0 to 255 characters **Default Value**: N/A
operator	String	Yes	**Definition:** Operator. The value can be **in/like/startwith/endwith/=/!=/>/<**. **Constraints** String **Range:** 0 to 20 characters **Default Value**: N/A
values	Arrays of String	Yes	**Definition:** Values to be filtered. The values can be strings, timestamps, enumerations, and integers, which are transferred in character strings. **Constraints** Array length: 1 to 1,024 characters Element length: Minimum length: 0 character Maximum length: 1,024 characters **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
group	String	No	**Definition:** Group query information. **Constraints** String **Range:** 0 to 255 characters **Default Value**: N/A
match_type	String	No	**Definition:** Matching mode **Constraints** String **Range:** 0 to 255 characters **Default Value**: N/A
priority_type	String	No	**Definition:** Priority processing mode. **Constraints** String **Range:** 0 to 255 characters **Default Value**: N/A

Response Parameters

Status code: 200

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Table 4-416 Response body parameters

Parameter	Type	Mandatory	Description
provider_code	String	No	**Definition:** Service ID. **Range:** Minimum length: 0 character Maximum length: 256 characters **Default Value**: **049**
error_code	String	No	**Definition:** Request response code. The value ranges from **0000** to **9999**. The value is **0** in normal cases. **Range:** Length: 0 to 256 characters **Default Value**: **0**
error_msg	String	No	**Definition:** Response description for a request. **Range:** Character length: 0 to 256 **Default Value**: N/A
data	**ListIncidentsResponseBodyData** object	No	**Definition:** Search results. **Range:** N/A **Default Value**: N/A

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Table 4-417 ListIncidentsResponseBodyData parameters

Parameter	Type	Mandatory	Description
total	Long	No	**Definition:** Total number of the queried incident tickets. **Range:** Length: 1 to 9,999,999,999,999 characters **Default Value**: **0**
tickets	Arrays of **IncidentDataInfo**	No	**Definition:** Result data list. **Range:** Array length: 1 to 1,000 characters **Default Value**: N/A
count_results	Arrays of Long	No	**Definition:** Number of service tickets. **Range:** Array length: 1 to 1,000 characters **Default Value**: N/A

Table 4-418 IncidentDataInfo parameters

Parameter	Type	Mandatory	Description
current_cloud_service_id	String	No	**Definition:** Cloud service ID. **Range:** Length: 0 to 255 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
level_id	String	No	**Definition:** Incident level. For details, see **Incident Level** in the incident-related enumeration information. **Range:** Length: 0 to 255 characters **Default Value**: N/A
mtm_region	String	No	**Definition:** Region. **Range:** Length: 0 to 255 characters **Default Value**: N/A
source_id	String	No	**Definition:** Incident source. For details, see **Incident Source** in the incident-related enumerated information. **Range:** Length: 0 to 255 characters **Default Value**: N/A
forward_rule_id	String	No	**Definition:** Forwarding rule. **Range:** Length: 0 to 255 characters **Default Value**: N/A
enterprise_project_id	String	No	**Definition:** Enterprise project ID. **Range:** Length: 0 to 255 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
mtm_type	String	No	**Definition:** Incident type. For details, see **Incident Type** in the incident-related enumerated information. **Range:** Length: 0 to 255 characters **Default Value**: N/A
title	String	No	**Definition:** Incident title. **Range:** Length: 0 to 255 characters **Default Value**: N/A
description	String	No	**Definition:** Incident description. **Range:** Length: 0 to 255 characters **Default Value**: N/A
ticket_id	String	No	**Definition:** Incident ticket No. **Range:** Length: 0 to 255 characters **Default Value**: N/A
is_service_interrupt	String	No	**Definition:** Whether the service is interrupted. **Range:** true/false **Default Value**: N/A

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Parameter	Type	Mandatory	Description
work_flow_status	String	No	**Definition:** Process status. **Range:** Length: 0 to 255 characters **Default Value**: N/A
phase	String	No	**Definition:** Process phase. **Range:** Length: 0 to 255 characters **Default Value**: N/A
assignee	String	No	**Definition:** Owner. **Range:** Length: 0 to 255 characters **Default Value**: N/A
creator	String	No	**Definition:** Creator. **Range:** Length: 0 to 255 characters **Default Value**: N/A
operator	String	No	**Definition:** Last operator. **Range:** Length: 0 to 255 characters **Default Value**: N/A
update_time	String	No	**Definition:** Update time, which is a timestamp. **Range:** Length: 1 to 50 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
create_time	String	No	**Definition:** Creation time, which is a timestamp. **Range:** Length: 1 to 50 characters **Default Value**: N/A
start_time	String	No	**Definition:** Fault start time, in timestamp format. **Range:** Length: 1 to 50 characters **Default Value**: N/A
handle_time	String	No	**Definition:** Processing time, which is a timestamp. **Range:** Length: 1 to 50 characters **Default Value**: N/A
incident_ownership	String	No	**Definition:** Incident ownership. **Range:** Length: 0 to 255 characters **Default Value**: N/A
enum_data_list	Arrays of **TicketInfoEnumData**	No	**Definition:** Enumerated values. **Range:** Array length: 1 to 1,024 characters **Default Value**: N/A

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Table 4-419 TicketInfoEnumData parameters

Parameter	Type	Mandatory	Description
prop_id	String	No	**Definition:** Field identified by key. **Range:** Length: 0 to 255 characters **Default Value**: N/A
biz_id	String	No	**Definition:** Enumerated key. **Range:** Length: 0 to 255 characters **Default Value**: N/A
name_zh	String	No	**Definition:** Chinese name. **Range:** Length: 0 to 255 characters **Default Value**: N/A
name_en	String	No	**Definition:** English name. **Range:** Length: 0 to 255 characters **Default Value**: N/A

Request Examples

Query the incident list.

```
POST https://{Endpoint}/v2/incidents/list

{
   "page": 1,
   "per_page": 10,
   "sort_filter": {
      "operator": "desc",
      "field": "create_time",
      "name": "create_time",
      "values": [
         "create_time"
      ]
   },
```

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```
  "string_filters": [
    {
      "operator": "in",
      "field": "assignee",
      "name": "assignee_default",
      "values": [
        "653989085ba7487184d7cf219b8aa51e"
      ]
    },
    {
      "operator": "in",
      "field": "approver",
      "name": "approver_default",
      "values": [
        "653989085ba7487184d7cf219b8aa51e"
      ]
    },
    {
      "operator": "in",
      "field": "work_flow_status",
      "name": "work_flow_status_default",
      "values": [
        "incident_draft",
        "INCIDENT_STATUS_ACKNOWLEDGED",
        "INCIDENT_STATUS_REJECTED",
        "INCIDENT_STATUS_RESOLVED",
        "INCIDENT_STATUS_TRIGGERED",
        "pausing",
        "level_approving"
      ]
    },
    {
      "operator": "in",
      "field": "work_flow_status",
      "name": "work_flow_status_approve",
      "values": [
        "level_approving",
        "pause_approving"
      ]
    }
  ],
  "contain_total": true,
  "condition": "(work_flow_status_default & assignee_default) | (approver_default &
work_flow_status_approve)"
}
```

Response Examples

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "provider_code": "049",
  "error_code": "GOM.00000000",
  "error_msg": null,
  "data": {
    "total": 1161,
    "tickets": [
      {
        "current_cloud_service_id": "66431ed6ffed4e034ce18ff0",
        "level_id": "level_30",
        "mtm_region": "",
        "source_id": "incident_source_forwarding",
        "forward_rule_id": "1ccf2d2ae38b157ff103e84d710a9509",
        "enterprise_project_id": "0",
        "mtm_type": "inc_type_p_reliability_issues",
```

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```
            "emergency_plan_type": "JOB",
            "emergency_plan_id": "RB20240527095644019f8019h",
            "emergency_plan_category": "COMMUNAL",
            "attachment": "",
            "title": "Cloud Eye contingency plan auto execution_Incident 06",
            "description": "Condit****inutes",
            "handle_time": 315,
            "is_service_interrupt": false,
            "ticket_id": "IM20250410104038014352588 8",
            "assignee": "653989085ba7487184d7cf219b8aa51e",
            "work_flow_status": "INCIDENT_STATUS_TRIGGERED",
            "phase": "phase_incident_create",
            "enum_data_list": [
               {
                  "name_zh": "testApp1",
                  "name_en": "testApp1",
                  "biz_id": "66431ed6ffed4e034ce18ff0",
                  "prop_id": "current_cloud_service_id",
                  "model_id": "TicketInfo"
               },
               {
                  "name_zh": "Cloud Eye automatic response plan execution_incident 06",
                  "name_en": "Cloud Eye contingency plan auto execution_Incident 06",
                  "biz_id": "1ccf2d2ae38b157ff103e84d710a9509",
                  "prop_id": "forward_rule_id"
               },
               {
                  "name_zh": "P3",
                  "name_en": "P3",
                  "biz_id": "level_30",
                  "prop_id": "level_id"
               },
               {
                  "name_zh": "Not accepted",
                  "name_en": "TRIGGERED",
                  "biz_id": "INCIDENT_STATUS_TRIGGERED",
                  "prop_id": "work_flow_status"
               },
               {
                  "name_zh": "Performance/Reliability problem",
                  "name_en": "reliability issues",
                  "biz_id": "inc_type_p_reliability_issues",
                  "prop_id": "mtm_type"
               },
               {
                  "name_zh": "Transfer creation",
                  "name_en": "Transfer creation",
                  "biz_id": "incident_source_forwarding",
                  "prop_id": "source_id"
               },
               {
                  "name_zh": "COC-Script",
                  "name_en": "COC-Script",
                  "biz_id": "653989085ba7487184d7cf219b8aa51e",
                  "prop_id": "assignee"
               }
            ],
            "update_time": 1744252838924,
            "create_time": 1744252838072
         }
      ]
   }
}
```


Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

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```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Parameter error",
  "provider_code" : "049",
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

For details, see **Error Codes**.

4.6.1.6 Obtaining the Historical Incidents

Function

This API is used to query the incident operation history.

Authorization

Each account has all of the permissions required to call all APIs, but IAM users must have the required permissions specifically assigned.

- If you are using role- or policy-based authorization, refer to **Permissions Policies and Supported Actions** to obtain the permissions required.
- If you are using identity policy-based authorization, the permission listed below is required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependent Action
coc:ticket:getOperationHistories	List	-	-	-	-

URI

POST /v2/incidents/{incident_id}/histories

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Table 4-420 Request path parameters

Parameter	Type	Mandatory	Description
incident_id	String	Yes	**Definition:** Incident ticket No. **Constraints** String **Range:** Length: 1 to 50 characters **Default Value**: N/A

Request Parameters

Table 4-421 Request body parameters

Parameter	Type	Mandatory	Description
count_filters	Array of CountFilterV2	No	**Definition:** Filter for counting the number of service tickets. **Constraints** Array length: 0 to 10 **Range:** N/A **Default Value**: N/A
fields	Array of String	No	**Definition:** Fields returned by the API. **Constraints** Array length: **0** to **100** **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
group_by_filter	**ObjectFilterV2** object	No	**Definition:** Group filter **Constraints** Array length: 0 to 20 **Range:** N/A **Default Value**: N/A
int_filters	Array of **ObjectFilterV2**	No	**Definition:** Integer filter **Constraints** Array length: 0 to 20 **Range:** N/A **Default Value**: N/A
string_filters	Array of **ObjectFilterV2**	No	**Definition:** Condition filter. **Constraints** Array length: 0 to 20 **Range:** N/A **Default Value**: N/A
sort_filter	**ObjectFilterV2** object	No	**Definition:** Sorting filter. **Constraints** Array length: 0 to 10 **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
condition	String	No	**Definition:** Expression. Complex expressions may contain parentheses (), ampersands (&), or vertical bars (|). Example: **(filterName1 & filterName2) | filterName3**. **filterName***: obtained from **string_filters ObjectFilter.name**. If this parameter is empty, the preset value of the condition in **string_filters** is AND. **Constraints** String **Range:** Length: 1 to 10,000 characters **Default Value**: N/A

Table 4-422 CountFilterV2 parameters

Parameter	Type	Mandatory	Description
name	String	No	**Definition:** Filter name, which is used for the concatenation of condition expressions. **Constraints:** String **Range:** 0 to 255 **Default value**: N/A

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Parameter	Type	Mandatory	Description
filters	Array of ObjectFilterV2	No	**Definition:** Statistics quantity filter. **Constraints:** Array length: 0 to 10 **Range**: N/A **Default value**: N/A

Table 4-423 ObjectFilterV2 parameters

Parameter	Type	Mandatory	Description
name	String	No	**Definition**: Filter name, which is used for the concatenation of condition expressions. **Constraints**: String **Range**: 0 to 255 characters **Default value**: N/A
field	String	Yes	**Definition**: Field key. For details about the value, see Table 4-417. **Constraints**: String **Range**: 0 to 255 characters **Default value**: N/A

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Parameter	Type	Mandatory	Description
operator	String	Yes	**Definition**: Operator. The value can be **in/like/startwith/endwith/=/!=/>/<**. **Constraints**: String **Range**: 0 to 20 characters **Default value**: N/A
values	Arrays of String	Yes	**Definition**: Values to be filtered. The values can be strings, timestamps, enumerations, and integers, which are transferred in character strings. **Constraints**: Array length: 1 to 1,024 characters Element length: Minimum length: 0 character Maximum length: 1,024 characters **Range**: N/A **Default value**: N/A

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Parameter	Type	Mandatory	Description
group	String	No	**Definition:** Group query information. **Constraints** String **Range**: 0 to 255 characters **Default value**: N/A
match_type	String	No	**Definition**: Matching mode. **Constraints**: String **Range**: 0 to 255 characters **Default value**: N/A
priority_type	String	No	**Definition**: Priority processing mode. **Constraints**: String **Range**: 0 to 255 characters **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-424 Response body parameters

Parameter	Type	Mandatory	Description
provider_code	String	No	**Definition:** Service ID. The fixed value is **049**. **Range:** Length: 0 to 256 characters **Default Value**: **049**
error_code	String	No	**Definition:** Request response code. The value ranges from **0000** to **9999**. The value is **0** in normal cases. **Range:** Length: 0 to 256 characters **Default Value**: **0**
error_msg	String	No	**Definition:** Response description for a request. **Range:** Length: 0 to 256 characters **Default Value**: N/A
data	**CocListHistoryResponseDataV2** object	No	**Definition:** Interface response details. **Range:** N/A **Default Value**: N/A

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Table 4-425 CocListHistoryResponseDataV2 parameters

Parameter	Type	Mandatory	Description
total	Long	No	**Definition:** Total operation records of incident tickets returned by the API. **Range:** 1-9999999999999 **Default Value**: N/A
info	Arrays of **CocTicketHistoryBaseInfo**	No	**Definition:** History information. **Range:** Array length: 0 to 1,024 characters **Default Value**: N/A

Table 4-426 CocTicketHistoryBaseInfo parameters

Parameter	Type	Mandatory	Description
action	String	No	**Definition:** Action operation type. **Range:** Length: 0 to 255 characters **Default Value**: N/A
action_name_zh	String	No	**Definition:** Action name (Chinese). **Range:** Length: 0 to 255 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
action_name_en	String	No	**Definition:** Action name (English). **Range:** Length: 0 to 255 characters **Default Value**: N/A
operator	String	No	**Definition:** Operator ID. **Range:** Length: 0 to 255 characters **Default Value**: N/A
status	String	No	**Definition:** Current status. **Range:** Length: 0 to 255 characters **Default Value**: N/A
start_time	String	No	**Definition:** Start time of an operation. **Range:** Length: 0 to 1,000 characters **Default Value**: N/A
stop_time	String	No	**Definition:** End time of an operation. **Range:** Length: 0 to 1,000 characters **Default Value**: N/A
comment	String	No	**Definition:** Remarks. **Range:** Length: 0 to 255 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
enum_data_list	Arrays of **TicketInfoEnumData**	No	**Definition:** Enumerated values. **Range:** Array length: 0 to 1,024 characters **Default Value**: N/A

Table 4-427 TicketInfoEnumData parameters

Parameter	Type	Mandatory	Description
prop_id	String	No	**Definition:** Field key. **Range:** Length: 0 to 255 characters **Default Value**: N/A
biz_id	String	No	**Definition:** Enumerated key. **Range:** Length: 0 to 255 characters **Default Value**: N/A
name_zh	String	No	**Definition:** Chinese name. **Range:** Length: 0 to 255 characters **Default Value**: N/A
name_en	String	No	**Definition:** English name. **Range:** Length: 0 to 255 characters **Default Value**: N/A

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Request Examples

Obtain the incident operation history.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/histories

{
   "sort_filter": {
      "operator": "desc",
      "field": "start_time",
      "name": "start_time",
      "values": [
         "start_time"
      ]
   }
}
```

Response Examples

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
   "provider_code": "049",
   "error_code": "GOM.00000000",
   "error_msg": null,
   "data": {
      "total": 3,
      "info": [
         {
            "action": "incident_accept",
            "operator": "653989085ba7487184d7cf219b8aa51e",
            "start_time": 1744285427529,
            "action_name_zh": "Accepted incident",
            "action_name_en": "Handling an incident",
            "status": "INCIDENT_STATUS_ACKNOWLEDGED",
            "enum_data_list": [
               {
                  "name_zh": "COC-Script",
                  "name_en": "COC-Script",
                  "biz_id": "653989085ba7487184d7cf219b8aa51e",
                  "prop_id": "operator"
               }
            ]
         },
         {
            "action_id": "main",
            "comment": "Create project f****elling. ",
            "start_time": 1744252838982,
            "stop_time": 1744285427529,
            "action_name_zh": "Contingency Plan Auto Execution Failure",
            "action_name_en": "Contingency Plan Auto Execution Failure",
            "status": "INCIDENT_STATUS_TRIGGERED",
            "enum_data_list": [

            ]
         },
         {
            "action": "create_incident",
            "start_time": 1744252838667,
            "stop_time": 1744252838982,
            "action_name_zh": "Creating an incident ticket",
            "action_name_en": "create incident",
            "status": "INCIDENT_STATUS_TRIGGERED",
            "enum_data_list": [
```

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```
          ]
        }
      ]
    }
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Parameter error",
  "provider_code" : "049",
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

For details, see **Error Codes**.

4.6.1.7 Obtaining an Incident Task

Function

This API is used to obtain an incident task.

Before calling this API, perform the following operations.

Authorization

Each account has all of the permissions required to call all APIs, but IAM users must have the required permissions specifically assigned.

- If you are using role- or policy-based authorization, refer to **Permissions Policies and Supported Actions** to obtain the permissions required.
- If you are using identity policy-based authorization, the permission listed below is required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependent Action
coc:ticket:listActions	List	-	-	-	-

URI

GET /v2/incidents/{incident_id}/tasks

Table 4-428 Request path parameters

Parameter	Type	Mandatory	Description
incident_id	String	Yes	**Definition:** Incident ticket No. **Constraints** String **Range:** Length: 1 to 50 characters **Default Value**: N/A

Response Parameters

Status code: 200

Table 4-429 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition:** Service ID. **Range:** N/A **Default Value**: **049**

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Parameter	Type	Description
error_code	String	**Definition:** Request response code. **Range:** GOM.00000000~GOM.00009999999 **Default Value**: GOM.00000000
error_msg	String	**Definition:** Response description for a request. **Range:** N/A **Default Value**: N/A
data	Arrays of **CocTaskDetailV2**	**Definition:** Result list. **Range:** Array length: 0 to 1,000 characters **Default Value**: N/A

Table 4-430 CocTaskDetailV2

Parameter	Type	Mandatory	Description
type	String	No	**Definition:** Node type. **Range:** Length: 0 to 1,000 characters **Default Value**: **0**
name	String	No	**Definition:** Node name. **Range:** Length: 0 to 1,000 characters **Default Value**: 0

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Parameter	Type	Mandatory	Description
key	String	No	**Definition:** Node key. **Range:** Length: 0 to 1,000 characters **Default Value**: N/A
state	String	No	**Definition:** Status. The value can be **running** or **suspend**. **Range:** Length: 0 to 1,000 characters **Default Value**: N/A
operations	Arrays of **CocTaskOperationDetailV2**	No	**Definition:** Operations. **Range:** Array length: 0 to 1,000 characters **Default Value**: N/A

Table 4-431 CocTaskOperationDetailV2

Parameter	Type	Mandatory	Description
task_id	String	No	**Definition:** Task ID, which is required for subsequent operations. **Range:** Length: 0 to 255 characters **Default Value**: N/A

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Parameter	Type	Mandatory	Description
key	String	No	**Definition:** Operation key, which is required for subsequent operations. **Range:** Length: 0 to 255 characters **Default Value**: N/A

Request Examples

Obtain the tasks supported by an incident ticket.

```
GET https://{Endpoint}/v2/incidents/{incident_id}/tasks
```

Response Examples

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
  "provider_code": "049",
  "error_code": "GOM.00000000",
  "error_msg": null,
  "data": [
    {
      "type": "OperateNode",
      "key": "userTaskHandle1",
      "name": "Processing",
      "state": "running",
      "operations": [
        {
          "task_id": "19102976566880092186683",
          "key": "commitSolution1"

        },
        {
          "task_id": "19102976566880092186683",
          "key": "forwardOther1"
        },
        {
          "task_id": "19102976566880092186683",
          "key": "AddRemark"

        },
        {
          "task_id": "19102976566880092186683",
          "key": "incidentChangeLevel1"

        },
        {
          "task_id": "19102976566880092186683",
          "key": "incidentPause"
        }
      ]
```

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```
    }
  ]
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Parameter error",
  "provider_code" : "049",
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

For details, see **Error Codes**.

4.6.1.8 Managing Incident Tickets

Function

This API is used to accept, handle (submit solutions), reject, escalate, de-escalate, and suspend incident tickets as well as verify the handling results.

The action value and **param** parameter vary according to the operation. This API is used to obtain task IDs together with the API in **4.6.1.7 Obtaining an Incident Task**.

Authorization

Each account has all of the permissions required to call all APIs, but IAM users must have the required permissions specifically assigned.

- If you are using role- or policy-based authorization, refer to **Permissions Policies and Supported Actions** to obtain the permissions required.
- If you are using identity policy-based authorization, the permission listed below is required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependent Action
coc:ticket:action	Write	-	-	-	-

URI

POST /v2/incidents/{incident_id}/actions

Table 4-432 Request path parameters

Parameter	Type	Mandatory	Description
incident_id	String	Yes	**Definition:** Incident ticket No. **Constraints** String **Range:** Length: 1 to 50 characters **Default Value**: N/A

Request Parameters

Table 4-433 Request body parameters

Parameter	Type	Mandatory	Description
task_id	String	Yes	**Definition:** For details, see the task ID returned in **Task APIs**. **Constraints** Length: 1 to 100 characters **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
action	String	Yes	**Definition:** Operation type with different IDs. The operations that can be performed depend on the value of **TaskOperateKey** returned in Task APIs. **Constraints** Length: 1 to 100 characters **Range:** • **unAcceptedForward**: The incident is not accepted and forwarded to the owner. • **acceptedForward**: The incident is accepted and forwarded to the owner. • **accepted**: Accept the incident. • **addRemark**: Add remarks. • **commitSolution**: Handle the incident. • **confirm**: Verify and close the incident. • **incidentPause**: Apply for pausing the incident. • **agreed**: Approve the suspension application. • **rejected**: Reject the suspension application. • **recovery**: Resume the incident. • **changeLevel**: Apply for escalating or de-escalating the incident. • **agreed**: Approve the escalation or de-escalation application. • **rejected**: Reject the escalation or de-escalation application. • **rejected**: Reject the incident that is submitted for acceptance. • **ReOpen**: Reject the incident and enable it again.

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Parameter	Type	Mandatory	Description
			• **agreed**: Reject the incident and close it. **Default Value**: N/A

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Parameter	Type	Mandatory	Description
params	Map<String,Object>	No	**Definition:** Parameters (mapping) and mandatory items vary depending on the operation (action). **Constraints** Map type. For details, see the value range. **Range:** • If **action** is set to **unAcceptedForward**, configure the parameters by referring to **Table 3 ForwardObject parameters**. • If **action** is set to **acceptedForward**, configure the parameters by referring to **Table 3 ForwardObject parameters**. • If **action** is set to **accepted**, no parameter needs to be configured. • If **action** is set to **addRemark**, configure the parameters by referring to **Table 4 AddRemarkObject parameters**. • If **action** is set to **commitSolution**, configure the parameters by referring to **Table 5 CommitSolutionObject parameters**. • If **action** is set to **confirm**, configure the parameters by referring to **Table 6 ConfirmObject parameters**. • If **action** is set to **incidentPause**, configure the parameters by referring to **Table 7 PauseObject parameters**. • If **action** is set to **agreed**, configure the parameters by

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Parameter	Type	Mandatory	Description
			referring to **Table 8 PauseAgreedObject parameters**. • If **action** is set to **rejected**, configure the parameters by referring to **Table 9 PauseRejectedObject parameters**. • If **action** is set to **recovery**, no parameter needs to be configured. • If **action** is set to **changeLevel**, configure the parameters by referring to **Table 10 ChangeLevelObject parameters**. • If **action** is set to **agreed**, configure the parameters by referring to **Table 11 ChangeLevelAgreedObject parameters**. • If **action** is set to **rejected**, configure the parameters by referring to **Table 12 ChangeLevelRejectedObject parameters**. • If **action** is set to **rejected**, configure the parameters by referring to **13 UnAcceptedRejectedObject parameters**. • If **action** is set to **ReOpen**, configure the parameters by referring to **Table 14 ReOpenObject parameters**. • If **action** is set to **agreed**, no parameter needs to be configured. **Default Value**: N/A

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Table 4-434 ForwardObject parameters

Parameter	Type	Mandatory	Description
virtual_schedule_type	String	No	**Definition:** Shift scenario. **Constraints** Length: 0 to 255 characters Shift scenario, shift role, and owner. The values cannot be empty at the same time. If all of values are specified, the owner is used first. **Range:** N/A **Default Value**: N/A
virtual_schedule_role	String	No	**Definition:** Shift role. **Constraints** Length: 0 to 255 characters **Range:** N/A **Default Value**: N/A
virtual_send_assignee	String	No	**Definition:** Forwarding owner. **Constraints** Length: 0 to 255 characters If the owner is empty, the shift scenario and role must be specified. **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
virtual_send_comment	String	No	**Definition:** Remarks. **Constraints** Length: 0 to 300 characters **Range:** N/A **Default Value**: N/A
virtual_current_location_info	String	No	**Definition:** Current phase location. **Constraints** Length: 0 to 300 characters **Range:** N/A **Default Value**: N/A

Table 4-435 AddRemarkObject parameters

Parameter	Type	Mandatory	Description
note	String	Yes	**Definition:** Remarks. **Constraints** Length: 0 to 300 characters **Range:** N/A **Default Value**: N/A

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Table 4-436 CommitSolutionObject parameters

Parameter	Type	Mandatory	Description
mtm_type	String	Yes	**Definition:** Issue type **Constraints** Length: 0 to 255 characters **Range:** N/A **Default Value**: N/A
is_service_interrupt	Boolean	Yes	**Definition:** Whether the service is interrupted. **Constraints** N/A **Range:** true/false **Default Value**: N/A
start_time	Long	No	**Definition:** Fault occurrence time, in timestamp format. **Constraints** This parameter is mandatory when **is_service_interrupt** is set to **true**. **Range:** 1-999999999 **Default Value**: N/A

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Parameter	Type	Mandatory	Description
fault_recovery_time	Long	No	**Definition:** Fault recovery time, in timestamp format. **Constraints** This parameter is mandatory when **is_service_interrupt** is set to **true**. **Range:** 1-999999999 **Default Value**: N/A
cause	String	No	**Definition:** Failure causes. **Constraints** Length: 0 to 10,000 characters **Range:** N/A **Default Value**: N/A
solution	String	No	**Definition:** Solution. **Constraints** Length: 0 to 10,000 characters **Range:** N/A **Default Value**: N/A
resolve_attachments	String	No	**Definition:** Attachment ID. **Constraints** Length: 0 to 255 characters **Range:** N/A **Default Value**: N/A

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Table 4-437 ConfirmObject parameters

Parameter	Type	Mandatory	Description
virtual_confirm_result	Boolean	Yes	**Definition:** Whether the issue is resolved. **Constraints** N/A **Range:** true/false **Default Value**: N/A
virtual_confirm_comment	String	Yes	**Definition:** Remarks. This parameter is mandatory for incident ticket review. **Constraints** Length: 0 to 300 characters **Range:** N/A **Default Value**: N/A

Table 4-438 PauseObject parameters

Parameter	Type	Mandatory	Description
pause_end_time	Long	Yes	**Definition:** Pause end time. The value is a timestamp. **Constraints** N/A **Range:** 1-999999999 **Default Value**: N/A

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Parameter	Type	Mandatory	Description
pause_reason	String	Yes	**Definition:** Suspension reason. **Constraints** Length: 0 to 255 characters **Range:** N/A **Default Value**: N/A

Table 4-439 PauseAgreedObject parameters

Parameter	Type	Mandatory	Description
pause_approve_conclusion	Boolean	Yes	**Definition:** Whether the application is approved. The fixed value is **true**. **Constraints** N/A **Range:** true **Default Value**: N/A
note	String	Yes	**Definition:** Remarks. **Constraints** Length: 0 to 1,024 characters **Range:** N/A **Default Value**: N/A

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Table 4-440 PauseRejectedObject parameters

Parameter	Type	Mandatory	Description
pause_approve_conclusion	Boolean	Yes	**Definition:** Whether the application is approved. The fixed value is **false**. **Constraints** N/A **Range:** false **Default Value**: N/A
note	String	Yes	**Definition:** Remarks. **Constraints** Length: 0 to 1,024 characters **Range:** N/A **Default Value**: N/A

Table 4-441 ChangeLevelObject parameters

Parameter	Type	Mandatory	Description
virtual_target_level	String	Yes	**Definition:** Target incident level. **Constraints** Length: 0 to 255 characters **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
virtual_change_level_comment	String	Yes	**Definition:** Remarks added during incident ticket escalation or de-escalation. **Constraints** Length: 0 to 255 characters **Range:** N/A **Default Value**: N/A

Table 4-442 ChangeLevelAgreedObject parameters

Parameter	Type	Mandatory	Description
conclusion	Boolean	Yes	**Definition:** Whether the change is agreed. The fixed value is **true**, indicating that the change is approved. **Constraints** N/A **Range:** true **Default Value**: N/A
note	String	Yes	**Definition:** Remarks added during incident ticket escalation or de-escalation review. **Constraints** Length: 0 to 1,024 characters **Range:** N/A **Default Value**: N/A

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Table 4-443 ChangeLevelRejectedObject parameters

Parameter	Type	Mandatory	Description
conclusion	Boolean	Yes	**Definition:** Whether the change is agreed. The fixed value is **true**, indicating that the change is rejected. **Constraints** N/A **Range:** false **Default Value**: N/A
note	String	Yes	**Definition:** Remarks. **Constraints** Length: 0 to 1,000 characters **Range:** N/A **Default Value**: N/A

Table 4-444 UnAcceptedRejectedObject parameters

Parameter	Type	Mandatory	Description
virtual_confirm_comment	String	Yes	**Definition:** Remarks. **Constraints** Character length: 0 to 300 **Range:** N/A **Default Value**: N/A

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Table 4-445 ReOpenObject parameters

Parameter	Type	Mandatory	Description
mtm_region	String	No	**Definition:** Region. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A
enterprise_project_id	String	Yes	**Definition:** ID of the enterprise project to which the incident ticket is bound. You can query the enterprise project list through EPS. **Constraints** If the enterprise project is **default**, the value is **0**. **Range:** N/A **Default Value**: N/A
current_cloud_service_id	String	Yes	**Definition:** Cloud service ID, which can be obtained by calling the API for **4.1.1.4 Querying an Application**. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
level_id	String	Yes	**Definition:** Incident level. For details, see **Incident Level** in the incident-related enumeration information. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A
is_service_interrupt	Boolean	Yes	**Definition:** Whether the service is interrupted. **Constraints** N/A **Range:** true/false **Default Value**: N/A
mtm_type	String	No	**Definition:** Issue type. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A
title	String	Yes	**Definition:** Title. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
description	String	Yes	**Definition:** Description. **Constraints** Character length: 0 to 600 **Range:** N/A **Default Value**: N/A
attachments	String	No	**Definition:** Attachment ID. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A
source_id	String	Yes	**Definition:** Incident source. If the incident is manually created, the value is **incident_source_manual**. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A
incident_ownership	String	No	**Definition:** Incident ownership. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
start_time	Long	No	**Definition:** Fault occurrence time. **Constraints** N/A **Range:** 1-9999999999999 **Default Value**: N/A
assignee	String	No	**Definition:** Incident handler. **Constraints** Character length: 0 to 255 If an incident handler exists, the handler is preferentially used. If no handler exists, the shift scenario and role cannot be empty. That is, the three fields cannot be empty at the same time. **Range:** N/A **Default Value**: N/A
assignee_scene	String	No	**Definition:** Shift scenario. **Constraints** Character length: 0 to 255 If an incident handler exists, the handler is preferentially used. If no handler exists, the shift scenario and role cannot be empty. That is, the three fields cannot be empty at the same time. **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
assignee_role	String	No	**Definition:** Shift role. **Constraints** Character length: 0 to 255 If an incident handler exists, the handler is preferentially used. If no handler exists, the shift scenario and role cannot be empty. That is, the three fields cannot be empty at the same time. **Range:** N/A **Default Value**: N/A

Response Parameters

Status code: 200

Table 4-446 Response body parameters

Parameter	Type	Mandatory	Description
provider_code	String	No	**Definition:** Service ID. **Range:** Character length: 0 to 256 **Default Value**: **049**
error_code	String	No	**Definition:** Request response code. The value ranges from **0000** to **9999**. The value is **0** in normal cases. **Range:** Character length: 0 to 256 **Default Value**: **0**

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Parameter	Type	Mandatory	Description
error_msg	String	No	**Definition:** Response description for a request. **Range:** Character length: 0 to 256 **Default Value**: N/A

Request Examples

- Do not accept the incident and transfer it to the owner.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "unAcceptedForward",
   "params": {
      "virtual_send_comment": "Remarks",
      "virtual_current_location_info": "Location***",
      "virtual_send_assignee": "bae47db0f86c48318ea65f10bd8aa417"
   }
}
```

- Accept the incident and transfer it to the owner.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": " acceptedForward",
   "params": {
      "virtual_send_comment": "Remarks",
      "virtual_current_location_info": "Location***",
      "virtual_send_assignee": "bae47db0f86c48318ea65f10bd8aa417"
   }
}
```

- Accept the incident.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": " accepted"
}
```

- Add remarks.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "addRemark",
   "params": {
      "note": Remarks"
   }
}
```

- Process the incident.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
```

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```
    "task_id": "{task_id}",
    "action": "commitSolution",
    "params": {
        "mtm_type": "inc_type_p_middleware_issues",
        "is_service_interrupt": false,
        "start_time": null,
        "fault_recovery_time": null,
        "cause": "222",
        "solution": "2222",
        "resolve_attachments": ""
    }
}
```

- Verify and close the incident.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
    "task_id": "{task_id}",
    "action": "confirm",
    "params": {
        "virtual_confirm_result": true,
        "virtual_confirm_comment": "Remarks"
    }
}
```

- Apply for suspending the incident.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
    "task_id": "{task_id}",
    "action": "incidentPause",
    "params": {
        "pause_end_time": 1744270013000,
        "pause_reason": "Suspension reason"
    }
}
```

- Approve the suspension application.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
    "task_id": "{task_id}",
    "action": "agreed",
    "params": {
        "pause_approve_conclusion": true,
        "note": Remarks"
    }
}
```

- Reject the suspension application.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
    "task_id": "{task_id}",
    "action": "rejected",
    "params": {
        "pause_approve_conclusion": false,
        "note": "Review reason"
    }
}
```

- Suspend or resume the incident.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
    "task_id": "{task_id}",
    "action": " recovery"
}
```

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- Apply for escalating or de-escalating the incident.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "changeLevel",
   "params": {
      "virtual_target_level": "level_30",
      "virtual_change_level_comment": "[Service impact]: 2\n[Escalation or de-escalation reason]: 3333"
   }
}
```

- Approve the escalation or de-escalation application.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "agreed",
   "params": {
      "conclusion": true,
      "note": Remarks"
   }
}
```

- Reject the escalation or de-escalation application.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "rejected",
   "params": {
      "conclusion": false,
      "note": Remarks"
   }
}
```

- Reject the incident that is submitted for acceptance.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "rejected",
   "params": {
      "virtual_confirm_comment": "Reason for rejection"
   }
}
```

- Reject the incident and enable it again.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
   "task_id": "{task_id}",
   "action": "ReOpen",
   "params": {
      "mtm_region": "br-cto-beta",
      "enterprise_project_id": "0",
      "current_cloud_service_id": "653f911cfab10c5b1dd33c3a",
      "level_id": "level_40",
      "is_service_interrupt": true,
      "mtm_type": "inc_type_p_monitoring_issues",
      "title": "22",
      "description": "22",
      "attachments": "",
      "source_id": "incident_source_manual",
      "incident_ownership": "incident_ownership_100",
      "start_time": 1743674805160,
      "assignee": "bae47db0f86c48318ea65f10bd8aa417",
      "assignee_scene": "",
      "assignee_role": ""
```

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```
    }
}
```

- Reject and close the ticket.

```
POST https://{Endpoint}/v2/incidents/{incident_id}/action

{
    "task_id": "{task_id}",
    "action": "agreed"
}
```

Response Examples

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
    "provider_code": "049",
    "error_code": "GOM.00000000",
    "error_msg": null
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Parameter error",
  "provider_code" : "049",
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

For details, see **Error Codes**.

4.6.1.9 Querying Historical Service Tickets

Function

This API is used to obtain the historical records of incident tickets or issue tickets. The types of service tickets are distinguished by **ticket_type**. For an incident ticket,

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the value is **incident**. For an issue ticket, the value is **issues_mgmt**. This API requires the ticket ID to be queried, which is configured through the request parameter **string_filters**. For details, see the request parameter description and example.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:getOperationHistories	List	-	-	-	-

URI

POST /v1/external/{ticket_type}/list-histories

Table 4-447 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be queried. The value is **incident** for an incident ticket and **issues_mgmt** for an issue ticket. **Constraints**: N/A **Value range**: The value can be: • **incident** • **issues_mgmt** **Default value**: N/A

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Request Parameters

Table 4-448 Request body parameters

Parameter	Mandatory	Type	Description
string_filters	No	Array of **ObjectFilter** objects	**Definition**: Search criteria of a character string. You can search for a specific ticket based on the criteria. **Constraints**: Array length: 0 to 20 **Value range**: N/A **Default value**: N/A
sort_filter	No	**ObjectFilter** object	**Definition**: Sorting condition of the searched historical records. The records can be sorted by the creation time of the operation records. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-449 ObjectFilter

Parameter	Mandatory	Type	Description
operator	No	String	**Definition**: Operators include in, like, desc, startwith, endwith, =, !=, >, <, and more. **Constraints**: When you query a ticket ID, the operator is equal to, indicating that a specific ticket is searched for. When the query result is sorted, the operator is desc. Minimum length: 0 Maximum length: 20 **Value range**: N/A **Default value**: N/A
field	No	String	**Definition**: Name of the field to be operated. **Constraints**: When a ticket is queried, the field name is ticket_id. When the query result is sorted and filtered based on the creation time, the field name is start_time. Minimum length: 0 Maximum length: 255 **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Name of the condition to be operated. **Constraints**: When a ticket is queried, the condition name is ticket_id. When the query result is sorted and filtered based on the creation time, the condition name is start_time. Minimum length: 0 Maximum length: 255 **Value range**: N/A **Default value**: N/A
values	No	Array of objects	**Definition**: Condition value that must be met when a field is operated. **Constraints**: When a ticket is queried, the condition value is the ticket ID. When the query result is sorted and filtered based on the creation time, the condition value is start_time. Array length: 0 to 1024 **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-450 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**data** object	**Definition**: Data returned after a successful request. **Value range**: N/A

Table 4-451 data

Parameter	Type	Description
total	Long	**Definition**: Total number of operation records. **Value range**: N/A
info	Array of **TicketHistoryInfo** objects	**Definition**: Details about an operation record. **Value range**: N/A

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Table 4-452 TicketHistoryInfo

Parameter	Type	Description
action_id	String	**Definition**: Operation ID. **Value range**: N/A
action	String	**Definition**: Information about the current action. **Value range**: N/A
sub_action	String	**Definition**: Sub-action of the current operation. **Value range**: N/A
operator	String	**Definition**: Employee ID of the current operator. **Value range**: N/A
comment	String	**Definition**: Comment information of the current operation. Comment information is added when the operation is approved or rejected. **Value range**: N/A
id	String	**Definition**: Primary key ID of an operation record. **Value range**: N/A
ticket_id	String	**Definition**: Ticket ID, which is the unique ID of a ticket stored in the database. **Value range**: N/A
start_time	Long	**Definition**: Start time of the current operation. The value is a 13-digit timestamp. **Value range**: N/A

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Parameter	Type	Description
stop_time	Long	**Definition**: End time of the current operation. The value is a 13-digit timestamp. **Value range**: N/A
target_type	String	**Definition**: Object type. **Value range**: N/A
target_value	String	**Definition**: Object value. **Value range**: N/A
is_deteted	Boolean	**Definition**: Whether the current operation record has been deleted. **Value range**: N/A
update_time	Long	**Definition**: Update time. **Value range**: N/A
action_name_zh	String	**Definition**: Chinese name of the current action. **Value range**: N/A
action_name_en	String	**Definition**: English name of the current action. **Value range**: N/A
action_template_zh	String	**Definition**: Chinese template of the current operation action. When the ticket is escalated or de-escalated, this field stores the escalation or de-escalation details. **Value range**: N/A

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Parameter	Type	Description
action_template_en	String	**Definition**: English template of the current operation action. When the service ticket is escalated or de-escalated, this field stores the escalation or de-escalation details. **Value range**: N/A
status	String	**Definition**: Status of the ticket corresponding to the current operation. **Value range**: N/A
final_sub_action	String	**Definition**: Final sub-action. **Value range**: N/A
enum_data_list	Array of **EnumDataInfo** objects	**Definition**: Enumerated data. The operator information is stored in the enumerated value. The enumerated value of match_type is reference__base_config.User, storing the information about the current operator. name_zh indicates the user name, and biz_id indicates the ID of the current operator. **Value range**: N/A

Table 4-453 EnumDataInfo

Parameter	Type	Description
is_deleted	Boolean	**Definition**: Whether the current enumerated value has been deleted. **Value range**: N/A

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Parameter	Type	Description
match_type	String	**Definition**: Matching type. Currently, match_type is set to reference__base_config.User, and name_zh indicates the name of the current operator. **Value range**: N/A
ticket_id	String	**Definition**: Service ticket number. **Value range**: N/A
real_ticket_id	String	**Definition**: Actual ticket number. **Value range**: N/A
name_zh	String	**Definition**: Chinese name of the enumerated value. **Value range**: N/A
name_en	String	**Definition**: English name of the enumerated value. **Value range**: N/A
user_name	String	**Definition**: Operator name. **Value range**: N/A
biz_id	String	**Definition**: Unique ID of an enumerated value. When match_type is set to reference__base_config.User, the value of biz_id is the unique ID of the operator. **Value range**: N/A

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Parameter	Type	Description
prop_id	String	**Definition**: Type corresponding to the current enumerated value. The operator is the operator. **Value range**: N/A
model_id	String	**Definition**: Model ID corresponding to different applications in the background. The value in the historical record is TicketHistoryInfo. **Value range**: N/A

Status code: 400

Table 4-454 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

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Example Requests

- Query the operation records of incident ticket IM20250512200632012540012 3 and sort the records in descending order.

```
POST https://{Endpoint}/v1/external/incident/list-histories

{
  "string_filters" : [ {
    "operator" : "=",
    "field" : "ticket_id",
    "name" : "ticket_id",
    "values" : [ "IM20250512200632012540012 3" ]
  } ],
  "sort_filter" : {
    "operator" : "desc",
    "field" : "start_time",
    "name" : "start_time",
    "values" : [ "start_time" ]
  }
}
```

- Query the operation records of issue ticket ISU20250328114738010447096 and sort the records in descending order.

```
POST https://{Endpoint}/v1/external/issues_mgmt/list-histories

{
  "string_filters" : [ {
    "operator" : "=",
    "field" : "ticket_id",
    "name" : "ticket_id",
    "values" : [ "ISU20250328114738010447096" ]
  } ],
  "sort_filter" : {
    "operator" : "desc",
    "field" : "start_time",
    "name" : "start_time",
    "values" : [ "start_time" ]
  }
}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "example1" : {
    "error_code" : "GOM.00000000",
    "error_msg" : null,
    "provider_code" : "049",
    "data" : {
      "total" : 4,
      "info" : [ {
        "action_id" : "main",
        "action" : "incident_confirm",
        "sub_action" : "success",
        "operator" : "4bb5b07fce7c42859e943103a7234bae",
        "comment" : "ok",
        "id" : "fb9c0d40f18effe4d2fc2a6493a635d5",
        "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
        "start_time" : 1749546452867,
        "is_deteted" : false,
        "action_name_zh" : "Verify that the incident has been resolved.",
        "action_name_en" : "Verify that the incident has been resolved.",
```

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```
    "status" : "INCIDENT_STATUS_COMPLETED",
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
      "real_ticket_id" : "IM20250610170556017747 2084",
      "name_zh" : "coc_platform_apitest",
      "name_en" : "coc_platform_apitest",
      "user_name" : "coc_platform_apitest",
      "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
      "prop_id" : "operator",
      "model_id" : "TicketHistoryInfo"
    } ]
  }, {
    "action_id" : "main",
    "action" : "incident_confirm",
    "sub_action" : "create",
    "operator" : "4bb5b07fce7c42859e943103a7234bae",
    "id" : "05a3bbd05d592abc8230cd01396af4a7",
    "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
    "start_time" : 1749546447093,
    "stop_time" : 1749546452867,
    "is_deteted" : false,
    "action_name_zh" : "Handle an incident ticket.",
    "action_name_en" : "Handling an Event",
    "status" : "INCIDENT_STATUS_RESOLVED",
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
      "real_ticket_id" : "IM20250610170556017747 2084",
      "name_zh" : "coc_platform_apitest",
      "name_en" : "coc_platform_apitest",
      "user_name" : "coc_platform_apitest",
      "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
      "prop_id" : "operator",
      "model_id" : "TicketHistoryInfo"
    } ]
  }, {
    "action_id" : "main",
    "action" : "incident_accept",
    "sub_action" : "success",
    "operator" : "4bb5b07fce7c42859e943103a7234bae",
    "id" : "3e3cb689c6bd3a1d5f9851bdc8291571",
    "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
    "start_time" : 1749546361818,
    "stop_time" : 1749546447093,
    "is_deteted" : false,
    "action_name_zh" : "Accept an incident ticket.",
    "action_name_en" : "Handling an incident",
    "status" : "INCIDENT_STATUS_ACKNOWLEDGED",
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
      "real_ticket_id" : "IM20250610170556017747 2084",
      "name_zh" : "coc_platform_apitest",
      "name_en" : "coc_platform_apitest",
      "user_name" : "coc_platform_apitest",
      "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
      "prop_id" : "operator",
      "model_id" : "TicketHistoryInfo"
    } ]
  }, {
    "action_id" : "main",
    "action" : "create_incident",
```


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```
      "sub_action" : "success",
      "operator" : "4bb5b07fce7c42859e943103a7234bae",
      "id" : "68b38efc90600ae3d4a107c9a2898b29",
      "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
      "start_time" : 1749546356953,
      "stop_time" : 1749546361818,
      "is_deteted" : false,
      "action_name_zh" : "Create an incident ticket.",
      "action_name_en" : "create incident",
      "status" : "INCIDENT_STATUS_TRIGGERED",
      "final_sub_action" : "success",
      "enum_data_list" : [ {
        "is_deleted" : false,
        "match_type" : "reference__base_config.User",
        "ticket_id" : "3e051d66-5fa3-4149-8fb4-2c482b0021d6",
        "real_ticket_id" : "IM20250610170556017747208 4",
        "name_zh" : "coc_platform_apitest",
        "name_en" : "coc_platform_apitest",
        "user_name" : "coc_platform_apitest",
        "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
        "prop_id" : "operator",
        "model_id" : "TicketHistoryInfo"
      } ]
    } ]
  }
},
"example2" : {
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "total" : 4,
    "info" : [ {
      "history_kind" : "issues_mgmt_history_type_1000",
      "action_id" : "main",
      "action" : "gocm_issues_verifying",
      "sub_action" : "success",
      "operator" : "4bb5b07fce7c42859e943103a7234bae",
      "comment" : "ok",
      "id" : "cffe457c428f6b853a8e75c03f859168",
      "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
      "start_time" : 1749546975156,
      "is_deteted" : false,
      "action_name_zh" : "Issue verified",
      "action_name_en" : "The problem passes the verification.",
      "status" : "issues_work_flow_status_12000",
      "final_sub_action" : "success",
      "enum_data_list" : [ {
        "is_deleted" : false,
        "match_type" : "enum",
        "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
        "real_ticket_id" : "ISU20250610171554014510592",
        "name_zh" : "Main process",
        "name_en" : "Main Process",
        "biz_id" : "issues_mgmt_history_type_1000",
        "prop_id" : "history_kind",
        "model_id" : "TicketHistoryInfo"
      }, {
        "is_deleted" : false,
        "match_type" : "reference__base_config.User",
        "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
        "real_ticket_id" : "ISU20250610171554014510592",
        "name_zh" : "coc_platform_apitest",
        "name_en" : "coc_platform_apitest",
        "user_name" : "coc_platform_apitest",
        "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
        "prop_id" : "operator",
        "model_id" : "TicketHistoryInfo"
      } ]
```


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```
  }, {
    "history_kind" : "issues_mgmt_history_type_1000",
    "action_id" : "main",
    "action" : "gocm_issues_submit_issues_solutions",
    "sub_action" : "success",
    "operator" : "4bb5b07fce7c42859e943103a7234bae",
    "id" : "4c13b2c7b09daf7034740462059e53bc",
    "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
    "start_time" : 1749546967462,
    "stop_time" : 1749546975156,
    "is_deteted" : false,
    "action_name_zh" : "Submit the issue for a solution.",
    "action_name_en" : "Submit issues to solutions",
    "status" : "issues_work_flow_status_5000",
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "enum",
      "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
      "real_ticket_id" : "ISU20250610171554014510592",
      "name_zh" : "Main process",
      "name_en" : "Main Process",
      "biz_id" : "issues_mgmt_history_type_1000",
      "prop_id" : "history_kind",
      "model_id" : "TicketHistoryInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
      "real_ticket_id" : "ISU20250610171554014510592",
      "name_zh" : "coc_platform_apitest",
      "name_en" : "coc_platform_apitest",
      "user_name" : "coc_platform_apitest",
      "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
      "prop_id" : "operator",
      "model_id" : "TicketHistoryInfo"
    } ]
  }, {
    "history_kind" : "issues_mgmt_history_type_1000",
    "action_id" : "main",
    "action" : "gocm_issues_accepte",
    "sub_action" : "success",
    "operator" : "4bb5b07fce7c42859e943103a7234bae",
    "id" : "f47c48bdd0a85dd8ec2a620cdb998e48",
    "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
    "start_time" : 1749546958026,
    "stop_time" : 1749546967462,
    "is_deteted" : false,
    "action_name_zh" : "Accept the ticket.",
    "action_name_en" : "Accepted",
    "status" : "issues_work_flow_status_2000",
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "enum",
      "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
      "real_ticket_id" : "ISU20250610171554014510592",
      "name_zh" : "Main process",
      "name_en" : "Main Process",
      "biz_id" : "issues_mgmt_history_type_1000",
      "prop_id" : "history_kind",
      "model_id" : "TicketHistoryInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
      "real_ticket_id" : "ISU20250610171554014510592",
      "name_zh" : "coc_platform_apitest",
      "name_en" : "coc_platform_apitest",
```


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```
        "user_name" : "coc_platform_apitest",
        "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
        "prop_id" : "operator",
        "model_id" : "TicketHistoryInfo"
      } ]
    }, {
      "history_kind" : "issues_mgmt_history_type_1000",
      "action_id" : "main",
      "action" : "submit_issues_mgmt",
      "sub_action" : "success",
      "operator" : "4bb5b07fce7c42859e943103a7234bae",
      "id" : "123836321d74aecd6b6a60e730c08473",
      "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
      "start_time" : 1749546954608,
      "stop_time" : 1749546958026,
      "is_deteted" : false,
      "action_name_zh" : "Create an issue ticket.",
      "action_name_en" : "Create a trouble ticket",
      "status" : "issues_work_flow_status_1000",
      "final_sub_action" : "success",
      "enum_data_list" : [ {
        "is_deleted" : false,
        "match_type" : "enum",
        "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
        "real_ticket_id" : "ISU20250610171554014510592",
        "name_zh" : "Main process",
        "name_en" : "Main Process",
        "biz_id" : "issues_mgmt_history_type_1000",
        "prop_id" : "history_kind",
        "model_id" : "TicketHistoryInfo"
      }, {
        "is_deleted" : false,
        "match_type" : "reference__base_config.User",
        "ticket_id" : "e59ea369-8fbd-4876-b37d-92b2ae50b5b3",
        "real_ticket_id" : "ISU20250610171554014510592",
        "name_zh" : "coc_platform_apitest",
        "name_en" : "coc_platform_apitest",
        "user_name" : "coc_platform_apitest",
        "biz_id" : "4bb5b07fce7c42859e943103a7234bae",
        "prop_id" : "operator",
        "model_id" : "TicketHistoryInfo"
      } ]
    } ]
  }
 }
}
```


Status code: 400

The request failed to be processed due to bad syntax.

For more status codes, see **Status Codes**.


```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameters",
  "provider_code" : 4,
  "data" : null
}
```


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Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The request failed to be processed due to bad syntax. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.1.10 Uploading Attachments

Function

This API is used to upload an attachment. If an attachment needs to be uploaded when an incident ticket is created, this API is called to upload the file to OBS. When the upload is successful, the unique ID of the document is returned. Only JPG, PNG, DOCX, TXT, and PDF files are supported, and the file size cannot exceed 10 MB.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:uploadFile	Write	-	-	-	-

URI

POST /v1/external/incident/attachments

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Request Parameters

Table 4-455 FormData parameters

Parameter	Mandatory	Type	Description
file	Yes	File	**Definition**: File to be uploaded, which is uploaded in the form format. **Constraints**: The content is binary text. Only JPG, PNG, DOCX, TXT, and PDF files are supported, and the file size cannot exceed 10 MB. **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-456 Response body parameters

Parameter	Type	Description
code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
provider_code	String	**Definition**: Service code. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
msg	String	**Definition**: Response description for a request. • If the code is 0, this parameter is left blank. • If the code is not 0, the value of this parameter is the error description. **Value range**: N/A **Default value**: N/A
data	**ExternalAttachment** object	Information about the attachment that is successfully uploaded.

Table 4-457 ExternalAttachment

Parameter	Type	Description
doc_id	String	**Definition**: Unique ID of an attachment. **Value range**: N/A **Default value**: N/A
doc_name	String	**Definition**: Attachment file name. **Value range**: N/A **Default value**: N/A

Status code: 400

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Table 4-458 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Request example for uploading an attachment.

```
https://{Endpoint}/v1/external/incident/attachments

form-data form:
key: file
value: binary file
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "doc_id" : "78f86d47-55d6-4e98-ba51-b293ac95bc8a",
    "doc_name" : "uploadFile.doc"
  }
}
```

Status code: 400

The server failed to process the request.

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For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.1.11 Querying the list of simplified incidents

Function

This API is used to query the incident ticket list by page. The pagination parameters are **limit** and **offset**. This API does not support condition-based filtering of incident tickets except for pagination parameters. The returned list fields are simple, including only the incident ticket title, incident ticket ID, description, service ticket status, incident level, enterprise project ID, incident ticket source, creator, and owner.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:list	List	-	-	-	-

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URI

GET /v1/incident-tickets

Table 4-459 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	**Definition**: Pagination parameter of the API for querying lists. The value 1 indicates that the first page is queried. **Constraints**: N/A **Value range**: 1-2147483647 **Default value**: N/A
limit	No	Integer	**Definition**: Parameters on each page queried by the API, indicating the number of records queried on a page. The value must be an integer greater than or equal to 1, indicating the maximum number of records that can be queried on each page during query by page. **Constraints**: N/A **Value range**: 1-100 **Default value**: 50

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-460 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**data** object	**Definition**: Information about the incident ticket found based on the conditions. **Value range**: N/A **Default value**: N/A

Table 4-461 data

Parameter	Type	Description
total	Long	**Definition**: Total number of queried incident tickets. **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
IncidentSimpleTicketInfos	Array of **IncidentSimpleTicketInfo** objects	**Definition**: Details about an incident ticket. **Value range**: N/A **Default value**: N/A

Table 4-462 IncidentSimpleTicketInfo

Parameter	Type	Description
title	String	**Definition**: Title of an incident ticket. **Value range**: N/A **Default value**: N/A
ticket_id	String	**Definition**: Incident ticket ID. **Value range**: N/A **Default value**: N/A
description	String	**Definition**: Description of the incident ticket. **Value range**: N/A **Default value**: N/A
status	String	**Definition**: Incident status. Reference: Enumeration **Incident Status** incident_status **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
level	String	**Definition**: Incident level. For details, see the enumerated values of incident_level in **Incident Level**. **Value range**: N/A **Default value**: N/A
enterprise_project	String	**Definition**: Enterprise project ID. **Value range**: N/A **Default value**: N/A
source	String	**Definition**: Record source. For details, see the enumerated values of incident_source in **Incident Source**. **Value range**: N/A **Default value**: N/A
creator	String	**Definition**: Employee ID of the creator. **Value range**: N/A **Default value**: N/A
assignee	Array of strings	**Definition**: Current owner. Multiple owners may exist. The content is the owner user ID. **Value range**: N/A **Default value**: N/A

Status code: 400

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Table 4-463 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Query simplified incident tickets.

```
https://{Endpoint}/v1/incident-tickets?offset=1&limit=10
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "total" : 1,
    "IncidentSimpleTicketInfos" : [ {
      "title" : "incident title",
      "ticket_id" : "IM20250609161118019386338 4",
      "description" : "incident description",
      "status" : "INCIDENT_STATUS_TRIGGERED",
      "level" : "level_50",
      "enterprise_project" : "0",
      "source" : "incident_source_manual",
      "creator" : "653989085ba7487184d7cf219b8aa51e",
      "assignee" : [ "001427162ad8453ba6678d7cdb36bb59" ]
    } ]
```

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```
  }
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.2 Issue Ticket Management

4.6.2.1 Querying Details About an Issue Ticket

Function

This API is used to query details about an issue ticket based on the service ticket number.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:get	Read	-	-	-	-

URI

GET /v1/{ticket_type}/tickets/{ticket_id}

Table 4-464 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be modified. **issues_mgmt** indicates that the issue ticket details are queried. **Constraints**: 1–255 characters **Value range**: **issues_mgmt**: issue ticket **Default value**: N/A
ticket_id	Yes	String	**Definition**: Service ticket ID. **Constraints**: 1–255 characters **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-465 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**CocTicketDetailInfoResponseData** object	**Definition**: Details about a service ticket. **Value range**: N/A

Table 4-466 CocTicketDetailInfoResponseData

Parameter	Type	Description
issue_correlation_sla	String	**Definition**: Issue ticket-associated SLA. **Value range**: N/A
level	String	**Definition**: Issue ticket level. **Value range**: N/A

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Parameter	Type	Description
root_cause_cloud_service	String	**Definition**: Responsible service of the issue ticket. **Value range**: N/A
root_cause_type	String	**Definition**: Root cause category of the issue ticket. **Value range**: N/A
current_cloud_service_id	String	**Definition**: Issue ticket service. **Value range**: N/A
issue_contact_person	String	**Definition**: Issue ticket contact person. **Value range**: N/A
issue_version	String	**Definition**: Version where the issue is found. **Value range**: N/A
source	String	**Definition**: Source of the issue ticket. **Value range**: N/A
commit_upload_attachment	String	**Definition**: ID of the uploaded attachment. **Value range**: N/A **Default value**: N/A
source_id	String	**Definition**: Source ID of the issue ticket. **Value range**: N/A

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Parameter	Type	Description
enterprise_project	String	**Definition**: Enterprise project of the issue ticket. **Value range**: N/A
virtual_schedule_type	String	**Definition**: Shift type of an issue ticket. **Value range**: N/A
title	String	**Definition**: Title of the issue ticket. **Value range**: N/A
regions	String	**Definition**: Region information of the issue ticket. **Value range**: N/A
description	String	**Definition**: Issue ticket description. **Value range**: N/A
root_cause_comment	String	**Definition**: Root cause analysis of the issue ticket. **Value range**: N/A
solution	String	**Definition**: Solution of the issue ticket. **Value range**: N/A
regions_serch	String	**Definition**: Value searched by region in the issue ticket. **Value range**: N/A

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Parameter	Type	Description
level_approve_config	String	**Definition**: Review configuration of the issue ticket level. **Value range**: N/A
suspension_approve_config	String	**Definition**: Review configuration of the issue ticket suspension. **Value range**: N/A
handle_time	Long	**Definition**: Issue ticket handling duration. **Value range**: N/A
fount_time	Long	**Definition**: Time when an issue ticket is found. **Value range**: N/A
is_common_issue	Boolean	**Definition**: Whether the issue is common. **Value range**: true/false
is_need_change	Boolean	**Definition**: Whether the issue ticket needs to be changed. **Value range**: true/false
is_enable_suspension	Boolean	**Definition**: Whether the issue ticket is suspended. **Value range**: true/false
is_start_process_async	Boolean	**Definition**: Whether to start the asynchronous process. **Value range**: true/false

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Parameter	Type	Description
is_update_null	Boolean	**Definition**: Whether to resubmit the empty field. **Value range**: true/false
creator	String	**Definition**: Issue ticket creator. **Value range**: N/A
operator	String	**Definition**: Operator of an issue ticket. **Value range**: N/A
is_return_full_info	Boolean	**Definition**: Whether to return all field information. **Value range**: true/false
is_start_process	Boolean	**Definition**: Whether to start the process. **Value range**: true/false
ticket_id	String	**Definition**: Issue ticket number. **Value range**: N/A
real_ticket_id	String	**Definition**: Issue ticket number. **Value range**: N/A
assignee	String	**Definition**: Current owner of the issue ticket. **Value range**: N/A

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Parameter	Type	Description
participator	String	**Definition**: Issue ticket participant. **Value range**: N/A
work_flow_status	String	**Definition**: Issue ticket status. **Value range**: N/A
engine_error_msg	String	**Definition**: Process status. **Value range**: N/A
baseline_status	String	**Definition**: Baseline status. **Value range**: N/A
ticket_type	String	**Definition**: Service ticket type. **Value range**: issues_mgmt
phase	String	**Definition**: Current phase of the issue ticket. **Value range**: N/A
sub_tickets	Array of **sub_tickets** objects	**Definition**: Change sub-ticket information. **Value range**: N/A
enum_data_list	Array of **IssuesTicketInfoEnumData** objects	**Definition**: Enumerated values associated with the issue ticket. **Value range**: N/A

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Parameter	Type	Description
id	String	**Definition**: Primary key UUID of an issue ticket. **Value range**: N/A
meta_data_version	Integer	**Definition**: Application version involved in the issue. **Value range**: N/A
update_time	Long	**Definition**: Timestamp when an issue ticket is updated. **Value range**: N/A
create_time	Long	**Definition**: Timestamp for issue ticket creation. **Value range**: N/A
is_deleted	Boolean	**Definition**: Whether the service ticket is deleted. **Value range**: N/A
ticket_type_id	String	**Definition**: Service ticket type. **Value range**: N/A
_form_info	Object	**Definition**: Action information. **Value range**: N/A **Default value**: N/A

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Table 4-467 sub_tickets

Parameter	Type	Description
change_ticket_id	String	**Definition**: ID of the associated change ticket. **Value range**: N/A
change_ticket_id_sub	String	**Definition**: Sub-ticket number of the change ticket. **Value range**: N/A
whether_to_change	Boolean	**Definition**: Whether a change is required **Value range**: N/A
is_deleted	Boolean	**Definition**: Whether it is deleted **Value range**: N/A
id	String	**Definition**: Change ticket ID. **Value range**: N/A
main_ticket_id	String	**Definition**: Primary key ID of the change ticket. **Value range**: N/A
parent_ticket_id	String	**Definition**: Parent ticket ID. **Value range**: N/A
ticket_id	String	**Definition**: Issue Ticket ID. **Value range**: N/A

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Parameter	Type	Description
real_ticket_id	String	**Definition**: Ticket number. **Value range**: N/A
ticket_path	String	**Definition**: Ticket path. **Value range**: N/A
target_value	String	**Definition**: Region information. **Value range**: N/A
target_type	String	**Definition**: Sub-ticket type. **Value range**: N/A
create_time	Long	**Definition**: Time when a service ticket is created. **Value range**: N/A
update_time	Long	**Definition**: Time when a ticket is updated. **Value range**: N/A
creator	String	**Definition**: ID of the ticket creator. **Value range**: N/A
operator	String	**Definition**: ID of the ticket operator. **Value range**: N/A

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Table 4-468 IssuesTicketInfoEnumData

Parameter	Type	Description
is_deleted	Boolean	**Definition**: Whether it is deleted **Value range**: N/A
match_type	String	**Definition**: Matched enumerated type. **Value range**: N/A
ticket_id	String	**Definition**: Current service ticket ID. **Value range**: N/A
real_ticket_id	String	**Definition**: Service ticket ID. **Value range**: N/A
name_zh	String	**Definition**: Chinese name. **Value range**: N/A
name_en	String	**Definition**: English name. **Value range**: N/A
biz_id	String	**Definition**: Unique ID of an enumerated value. When match_type is set to reference__base_config.User, the value of biz_id is the unique ID of the operator. **Value range**: N/A
prop_id	String	**Definition**: Type corresponding to the current enumerated value. **Value range**: N/A

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Parameter	Type	Description
model_id	String	**Definition**: Model ID corresponding to a background application. **Value range**: N/A

Status code: 400

Table 4-469 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Query the details of issue ticket ISU20250709150841010733591.

```
GET https://{Endpoint}/v1/issues_mgmt/tickets/ISU20250709150841010733591
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

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```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "ticket_type" : "issues_type_4000",
    "issue_correlation_sla" : "ISU20250709150841010733591",
    "level" : "issues_level_3000",
    "root_cause_cloud_service" : "657184aa20577d4c94e30054",
    "root_cause_type" : "issues_root_cause_type_4000",
    "current_cloud_service_id" : "657184aa20577d4c94e30054",
    "issue_contact_person" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
    "issue_version" : "123123",
    "source" : "issues_mgmt_associated_type_2000",
    "commit_upload_attachment" : "8fff903d-4794-4e77-af54-bd4f887f2645",
    "source_id" : "al1701156119531X3VnkMNGQ",
    "enterprise_project" : "0",
    "virtual_schedule_type" : "issues_mgmt_virtual_schedule_type_2000",
    "title" : "IAM",
    "regions" : "br-cto-beta",
    "description" : "[Symptom]\n[Impact on the live network] IAM",
    "root_cause_comment" : "123",
    "solution" : "123123",
    "regions_serch" : "br-cto-beta,",
    "level_approve_config" : "{\"approve_role_type\":\"issue_persenal_approve\",\"issue_approve_type
\":\"issue_level_approve\",\"level
\":\"issues_level_3000,issues_level_4000,issues_level_2000,issues_level_1000\",\"approve_rule
\":\"issue_or_sign\",\"approve_personal
\":\"86b93d79f4b444968a150d18c4ba610d,64e6fce5334348e4ac87c1880169fb66\",\"approve_oncall_role
\":\"27256d8934b94a88b16c00954287e0b0\",\"approve_oncall_scene
\":\"7213a392df4c4099a3a3dbf17be3e0cd\",\"status\":true,\"is_start_process_async\":true,\"is_update_null
\":false,\"creator\":\"258386eb12554072a0e8a3264b5da448\",\"operator
\":\"258386eb12554072a0e8a3264b5da448\",\"is_return_full_info\":false,\"is_start_process\":true,\"ticket_id
\":\"04ebd8cb-2734-4076-b78c-213b7d391cc8\",\"real_ticket_id
\":\"20250614104911010600790085\",\"participator
\":\"64e6fce5334348e4ac87c1880169fb66\",\"work_flow_status\":\"issue_process_control_draft
\",\"engine_error_msg\":\"\",\"baseline_status\":\"issue_process_control_draft\",\"sub_tickets\":
[],\"enum_data_list\":[],\"id\":\"61534cd9b4b5283104ce9c04add7be2c\",\"meta_data_version
\":0,\"update_time\":1751879098336,\"create_time\":1751879098336,\"is_deleted\":false,\"ticket_type_id
\":\"issue_process_control\",\"_form_info\":{}}",
    "suspension_approve_config" : "{\"approve_role_type\":\"issue_persenal_approve\",\"issue_approve_type
\":\"issue_suspend_approve\",\"level\":\"\",\"approve_rule\":\"issue_all_agreed\",\"approve_personal
\":\"64e6fce5334348e4ac87c1880169fb66,86b93d79f4b444968a150d18c4ba610d\",\"approve_oncall_role
\":\"27256d8934b94a88b16c00954287e0b0\",\"approve_oncall_scene
\":\"7213a392df4c4099a3a3dbf17be3e0cd\",\"status\":true,\"is_start_process_async\":true,\"is_update_null
\":false,\"creator\":\"258386eb12554072a0e8a3264b5da448\",\"operator
\":\"258386eb12554072a0e8a3264b5da448\",\"is_return_full_info\":false,\"is_start_process\":true,\"ticket_id
\":\"2b6fd3df-91fa-470d-86d6-52204edef74a\",\"real_ticket_id
\":\"20250614104915011838103583\",\"participator
\":\"64e6fce5334348e4ac87c1880169fb66,258386eb12554072a0e8a3264b5da448,86b93d79f4b444968a150d
18c4ba610d\",\"work_flow_status\":\"issue_process_control_draft\",\"engine_error_msg
\":\"\",\"baseline_status\":\"issue_process_control_draft\",\"sub_tickets\":[],\"enum_data_list\":[],\"id
\":\"61a7e0193710a05e02d880fd96f65440\",\"meta_data_version\":0,\"update_time
\":1751879104309,\"create_time\":1751879104309,\"is_deleted\":false,\"ticket_type_id
\":\"issue_process_control\",\"_form_info\":{}}",
    "handle_time" : 28586,
    "fount_time" : 0,
    "is_common_issue" : false,
    "is_need_change" : false,
    "is_enable_suspension" : false,
    "is_start_process_async" : true,
    "is_update_null" : false,
    "creator" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
    "operator" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
    "is_return_full_info" : false,
    "is_start_process" : true,
    "ticket_id" : "ISU20250709150841010733591",
    "real_ticket_id" : "ISU20250709150841010733591",
    "assignee" : "",
```


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```
  "participator" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
  "work_flow_status" : "issues_work_flow_status_12000",
  "engine_error_msg" : "",
  "baseline_status" : "issues_mgmt_draft",
  "phase" : "issues_phase_4000",
  "sub_tickets" : [ {
    "id" : "6145652f02d8b7e07811b3833b4b205d",
    "main_ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "parent_ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "ticket_id" : "afd37b27-9026-4a99-aff5-c787dcac38c1",
    "real_ticket_id" : "ISU20250709150841010733591001",
    "ticket_path" : "a82da908-60e9-4f2a-b541-a5cee49075c2:regions:br-cto-beta",
    "target_value" : "br-cto-beta",
    "target_type" : "regions",
    "create_time" : 1752044921778,
    "update_time" : 1752044950789,
    "operator" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
    "creator" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
    "is_deleted" : false,
    "sub_tickets" : [ ]
  } ],
  "enum_data_list" : [ {
    "is_deleted" : false,
    "match_type" : "enum",
    "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "real_ticket_id" : "ISU20250709150841010733591",
    "name_zh" : "Compatibility issues",
    "name_en" : "Compatibility problems",
    "biz_id" : "issues_type_4000",
    "prop_id" : "ticket_type",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "enum",
    "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "real_ticket_id" : "ISU20250709150841010733591",
    "name_zh" : "Individual",
    "name_en" : "Individuals",
    "biz_id" : "issues_mgmt_virtual_schedule_type_2000",
    "prop_id" : "virtual_schedule_type",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "reference__base_config.User",
    "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "real_ticket_id" : "ISU20250709150841010733591",
    "name_zh" : "idc-test01-cim",
    "name_en" : "idc-test01-cim",
    "user_name" : "idc-test01-cim",
    "biz_id" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
    "prop_id" : "creator",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "reference__base_config.Location",
    "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "real_ticket_id" : "ISU20250709150841010733591",
    "name_zh" : "CloudBU-CTO production-service distribution",
    "name_en" : "CTOPreProd-ServiceDistribution1",
    "biz_id" : "br-cto-beta",
    "prop_id" : "regions",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "reference__base_config.User",
    "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
    "real_ticket_id" : "ISU20250709150841010733591",
    "name_zh" : "idc-test01-cim",
    "name_en" : "idc-test01-cim",
```


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```
  "user_name" : "idc-test01-cim",
  "biz_id" : "d8c0bbef-6853-452d-8c79-c3a7f5dd3f55",
  "prop_id" : "issue_contact_person",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "reference__base_config.Resource",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
  "name_zh" : "cdr-test",
  "name_en" : "cdr-test",
  "biz_id" : "657184aa20577d4c94e30054",
  "prop_id" : "current_cloud_service_id",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "enum",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
  "name_zh" : "Completed",
  "name_en" : "Completed",
  "biz_id" : "issues_work_flow_status_12000",
  "prop_id" : "work_flow_status",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "reference__base_config.Resource",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
  "name_zh" : "cdr-test",
  "name_en" : "cdr-test",
  "biz_id" : "657184aa20577d4c94e30054",
  "prop_id" : "root_cause_cloud_service",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "reference__app.attachment",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
  "name_zh" : "New text file.txt",
  "name_en" : "New text file.txt",
  "biz_id" : "8fff903d-4794-4e77-af54-bd4f887f2645",
  "prop_id" : "commit_upload_attachment",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "enum",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
  "name_zh" : "Alarm",
  "name_en" : "alarms",
  "biz_id" : "issues_mgmt_associated_type_2000",
  "prop_id" : "source",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "enum",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
  "name_zh" : "General",
  "name_en" : "Minor",
  "biz_id" : "issues_level_3000",
  "prop_id" : "level",
  "model_id" : "TicketInfo"
}, {
  "is_deleted" : false,
  "match_type" : "enum",
  "ticket_id" : "a82da908-60e9-4f2a-b541-a5cee49075c2",
  "real_ticket_id" : "ISU2025070915084101073359l",
```


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```
      "name_zh" : "Data configuration",
      "name_en" : "Data Configuration",
      "biz_id" : "issues_root_cause_type_4000",
      "prop_id" : "root_cause_type",
      "model_id" : "TicketInfo"
    } ],
    "id" : "5c23288a1fbb117f14c1c10b16fd5df9",
    "meta_data_version" : 39,
    "update_time" : 1752044954888,
    "create_time" : 1752044921707,
    "is_deleted" : false,
    "ticket_type_id" : "issues_mgmt",
    "_form_info" : { }
  }
}
```


Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.


```
{
  "error_code" : "COC.00067003",
  "error_msg" : "The service ticket does not exist.",
  "provider_code" : 4
}
```


Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.2.2 Performing Operations on Service Tickets

Function

This API is used to review and cancel change tickets, and perform operations on issue tickets.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.

- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:action	Write	-	-	-	-

URI

POST /v1/{ticket_type}/actions

Table 4-470 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be operated. If the change ticket needs to be reviewed or revoked, set this parameter to **change**. If the issue ticket needs to be operated, set this parameter to **issues_mgmt**. **Constraints**: 1–255 characters **Value range**: The value can be: • **change** • **issues_mgmt** **Default value**: N/A

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Request Parameters

Table 4-471 Request body parameters

Parameter	Mandatory	Type	Description
user_id	No	String	**Definition**: ID of the user who performs the current operation. This parameter is optional. The user information has been obtained from the authentication information. **Constraints**: 1 to 255 characters **Value range**: N/A **Default value**: N/A
ticket_id	No	String	**Definition**: ID of the service ticket to be operated. **Constraints**: 1 to 255 characters **Value range**: N/A **Default value**: N/A
task_id	No	String	**Definition**: Task ID corresponding to the current operation. **Constraints**: 1 to 255 characters **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
action	No	String	**Definition**: Information about the action to be performed. **Constraints**: 1 to 255 characters **Value range**: Enumerated value • gocm_issues_accepte: issue ticket acceptance • ugrading_and_downgrading : issue ticket escalation or de-escalation • being_handled_initiate_suspend: issue ticket suspension • agreed: The issue ticket is suspended or the change ticket is approved. • rejected: The change ticket is rejected. • suspend_resume: The issue ticket is suspended. • gocm_issues_handling_forwarding: The issue ticket is forwarded to the owner. • gocm_issues_unaccepted_reject: The issue ticket is rejected. • gocm_issues_undo_create: The issue ticket is canceled. • submitting_question: A solution is submitted for an issue ticket. • cancel_process_action: The change ticket is canceled. • submitting_question: A solution is submitted for an issue ticket. **Default value**: N/A

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Parameter	Mandatory	Type	Description
params	No	Object	**Definition**: Information about the action to be performed. The information is passed as a JSON object to supplement the information about the current action. There is no fixed parameter restriction. For details about the JSON format to be passed for different operations, see the example request. **Constraints**: The JSON object contains a maximum of 1,024 keys. **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-472 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000

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Parameter	Type	Description
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Status code: 400

Table 4-473 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

- Issue ticket acceptance.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704160617014971439",
  "task_id" : "194104589130446438544 08",
  "action" : "gocm_issues_accepte",
  "params" : { }
}
```

- Issue ticket escalation or de-escalation.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
```

```
  "ticket_id" : "ISU20250704160617014971439",
  "task_id" : "19410463279482880024408",
  "action" : "ugrading_and_downgrading",
  "params" : {
    "up_down_updated_level" : "issues_level_3000",
    "up_down_grade_reason_comment" : "Description of escalating and de-escalating a ticket.",
    "level" : "issues_level_4000"
  }
}
```

- Issue ticket suspension approval.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704160617014971439",
  "task_id" : "19410468838026199064408",
  "action" : "being_handled_initiate_suspend",
  "params" : {
    "estimated_recovery_time" : 1751703023000,
    "suspend_description" : "test"
  }
}
```

- Approval of an Issue ticket suspension.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704161412012423624",
  "task_id" : "19410479307889786894408",
  "action" : "agreed",
  "params" : {
    "conclusion" : true,
    "approve_note" : "ok"
  }
}
```

- Issue ticket resumption and suspension.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704160617014971439",
  "task_id" : "19410469440202424334408",
  "action" : "suspend_resume",
  "params" : { }
}
```

- Issue ticket owner forwarding.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704160617014971439",
  "task_id" : "19410470423766712334408",
  "action" : "gocm_issues_handling_forwarding",
  "params" : {
    "explain" : "test",
    "forwarding_assigne" : "0ca5c3ca8d664abc832f6126a2d554d4",
    "virtual_schedule_type" : "issues_mgmt_virtual_schedule_type_2000"
  }
}
```

- Issue ticket rejection.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704161237013947643",
  "task_id" : "19410474849428520974408",
  "action" : "gocm_issues_unaccepted_reject",
  "params" : {
    "unaccepted_rejection_description" : "Rejected"
```

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```
  }
}
```

- Issue ticket cancellation.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704161237013947643",
  "task_id" : "19410475647101255694408",
  "action" : "gocm_issues_undo_create",
  "params" : {
    "revocation_reason" : "cancel reason."
  }
}
```

- The issue ticket solution submission does not require change.

```
POST https://{Endpoint}/v1/issues_mgmt/actions

{
  "ticket_id" : "ISU20250704161412012423624",
  "task_id" : "19410480590801551384408",
  "action" : "submitting_question",
  "params" : {
    "root_cause_cloud_service" : "653f911cfab10c5b1dd33c3a",
    "is_common_issue" : false,
    "issue_version" : "",
    "regions" : "xxx",
    "root_cause_type" : "issues_root_cause_type_1000",
    "root_cause_comment" : "root cause.",
    "solution" : "solution",
    "is_need_change" : false,
    "sub_tickets" : [ {
      "affected_region" : "xxx",
      "target_type" : "regions",
      "target_value" : "xxx"
    } ]
  }
}
```

- Change ticket cancellation.

```
POST https://{Endpoint}/v1/change/actions

{
  "ticket_id" : "CM20250707154155019986493 2",
  "task_id" : "1942126924396527618831 0",
  "action" : "cancel_process_action",
  "params" : {
    "comment" : "reason for cancel"
  }
}
```

- Change ticket rejection.

```
POST https://{Endpoint}/v1/change/actions

{
  "ticket_id" : "CM20250424154951019991241 3",
  "task_id" : "19153128494392852491549",
  "action" : "rejected",
  "params" : {
    "comment" : "Rejected"
  }
}
```

- Issue ticket approval.

```
POST https://{Endpoint}/v1/change/actions

{
  "ticket_id" : "CM20250526160647013256801 5",
  "task_id" : "19269128923875287077915",
```

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```
  "action" : "agreed",
  "params" : {
    "comment" : "Approved"
  }
}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.2.3 Querying Historical Service Tickets

Function

This API is used to obtain the historical records of incident tickets or issue tickets. The types of service tickets are distinguished by **ticket_type**. For an incident ticket, the value is **incident**. For an issue ticket, the value is **issues_mgmt**. This API requires the ticket ID to be queried, which is configured through the request

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parameter **string_filters**. For details, see the request parameter description and example.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:getOperationHistories	List	-	-	-	-

URI

POST /v1/{ticket_type}/list-histories

Table 4-474 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be queried. The value is incident for an incident ticket and issues_mgmt for an issue ticket. **Constraints**: N/A **Value range**: Enumerated value • incident • issues_mgmt **Default value**: N/A

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Request Parameters

Table 4-475 Request body parameters

Parameter	Mandatory	Type	Description
string_filters	No	Array of **ObjectFilter** objects	**Definition**: Search criteria of a character string. You can search for a specific ticket based on the criteria. **Constraints**: Array length: 0 to 20 **Value range**: N/A **Default value**: N/A
sort_filter	No	**ObjectFilter** object	**Definition**: Sorting condition of the searched historical records. The records can be sorted by the creation time of the operation records. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-476 ObjectFilter

Parameter	Mandatory	Type	Description
operator	No	String	**Definition**: Operators include in, like, desc, startwith, endwith, =, !=, >, <, and more. **Constraints**: When you query a ticket ID, the operator is equal to, indicating that a specific ticket is searched for. When the query result is sorted, the operator is desc. Minimum length: 0 Maximum length: 20 **Value range**: N/A **Default value**: N/A
field	No	String	**Definition**: Name of the field to be operated. **Constraints**: When a ticket is queried, the field name is ticket_id. When the query result is sorted and filtered based on the creation time, the field name is start_time. Minimum length: 0 Maximum length: 255 **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
name	No	String	**Definition**: Name of the condition to be operated. **Constraints**: When a ticket is queried, the condition name is ticket_id. When the query result is sorted and filtered based on the creation time, the condition name is start_time. Minimum length: 0 Maximum length: 255 **Value range**: N/A **Default value**: N/A
values	No	Array of objects	**Definition**: Condition value that must be met when a field is operated. **Constraints**: When a ticket is queried, the condition value is the ticket ID. When the query result is sorted and filtered based on the creation time, the condition value is start_time. Array length: 0 to 1024 **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-477 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**data** object	**Definition**: Data returned after a successful request. **Value range**: N/A

Table 4-478 data

Parameter	Type	Description
total	Long	**Definition**: Total number of operation records. **Value range**: N/A
info	Array of **TicketHistoryInfo** objects	**Definition**: Details about an operation record. **Value range**: N/A

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Table 4-479 TicketHistoryInfo

Parameter	Type	Description
action_id	String	**Definition**: Operation ID. **Value range**: N/A
action	String	**Definition**: Information about the current action. **Value range**: N/A
sub_action	String	**Definition**: Sub-action of the current operation. **Value range**: N/A
operator	String	**Definition**: Employee ID of the current operator. **Value range**: N/A
comment	String	**Definition**: Comment information of the current operation. Comment information is added when the operation is approved or rejected. **Value range**: N/A
id	String	**Definition**: Primary key ID of an operation record. **Value range**: N/A
ticket_id	String	**Definition**: Ticket ID, which is the unique ID of a ticket stored in the database. **Value range**: N/A
start_time	Long	**Definition**: Start time of the current operation. The value is a 13-digit timestamp. **Value range**: N/A

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Parameter	Type	Description
stop_time	Long	**Definition**: End time of the current operation. The value is a 13-digit timestamp. **Value range**: N/A
target_type	String	**Definition**: Object type. **Value range**: N/A
target_value	String	**Definition**: Object value. **Value range**: N/A
is_deteted	Boolean	**Definition**: Whether the current operation record has been deleted. **Value range**: N/A
update_time	Long	**Definition**: Update time. **Value range**: N/A
action_name_zh	String	**Definition**: Chinese name of the current action. **Value range**: N/A
action_name_en	String	**Definition**: English name of the current action. **Value range**: N/A
action_template_zh	String	**Definition**: Chinese template of the current operation action. When the ticket is escalated or de-escalated, this field stores the escalation or de-escalation details. **Value range**: N/A

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Parameter	Type	Description
action_template_en	String	**Definition**: English template of the current operation action. When the service ticket is escalated or de-escalated, this field stores the escalation or de-escalation details. **Value range**: N/A
status	String	**Definition**: Status of the ticket corresponding to the current operation. **Value range**: N/A
final_sub_action	String	**Definition**: Final sub-action. **Value range**: N/A
enum_data_list	Array of **EnumDataInfo** objects	**Definition**: Enumerated data. The operator information is stored in the enumerated value. The enumerated value of match_type is reference__base_config.User, storing the information about the current operator. name_zh indicates the user name, and biz_id indicates the ID of the current operator. **Value range**: N/A

Table 4-480 EnumDataInfo

Parameter	Type	Description
is_deleted	Boolean	**Definition**: Whether the current enumerated value has been deleted. **Value range**: N/A

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Parameter	Type	Description
match_type	String	**Definition**: Matching type. Currently, match_type is set to reference__base_config.User, and name_zh indicates the name of the current operator. **Value range**: N/A
ticket_id	String	**Definition**: Service ticket number. **Value range**: N/A
real_ticket_id	String	**Definition**: Actual ticket number. **Value range**: N/A
name_zh	String	**Definition**: Chinese name of the enumerated value. **Value range**: N/A
name_en	String	**Definition**: English name of the enumerated value. **Value range**: N/A
user_name	String	**Definition**: Operator name. **Value range**: N/A
biz_id	String	**Definition**: Unique ID of an enumerated value. When match_type is set to reference__base_config.User, the value of biz_id is the unique ID of the operator. **Value range**: N/A

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Parameter	Type	Description
prop_id	String	**Definition**: Type corresponding to the current enumerated value. The operator is the operator. **Value range**: N/A
model_id	String	**Definition**: Model ID corresponding to different applications in the background. The value in the historical record is TicketHistoryInfo. **Value range**: N/A

Status code: 400

Table 4-481 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

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Example Requests

- Query the operation records of issue ticket ISU20250701163614016045039 and sort the records in descending order.

```
POST https://{Endpoint}/v1/issues_mgmt/list-histories

{
  "string_filters" : [ {
    "operator" : "=",
    "field" : "ticket_id",
    "name" : "ticket_id",
    "values" : [ "ISU20250701163614016045039" ]
  } ],
  "sort_filter" : {
    "operator" : "desc",
    "field" : "start_time",
    "name" : "start_time",
    "values" : [ "start_time" ]
  }
}
```

- Queries the operation records of incident IM20250707202502013849279 2 and sorts the records in descending order.

```
POST https://{Endpoint}/v1/coc-api/incident/list-histories

{
  "string_filters" : [ {
    "operator" : "=",
    "field" : "ticket_id",
    "name" : "ticket_id",
    "values" : [ "IM20250707202502013849279 2" ]
  } ],
  "sort_filter" : {
    "operator" : "desc",
    "field" : "start_time",
    "name" : "start_time",
    "values" : [ "start_time" ]
  }
}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "total" : 2,
    "info" : [ {
      "history_kind" : "issues_mgmt_history_type_1000",
      "action_id" : "main",
      "action" : "gocm_issues_accepte",
      "sub_action" : "success",
      "operator" : "96d9d36ef5e74f7aa54122586d5df0d5",
      "id" : "19617e76c40cee2f3ffb51e1014960e1",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "start_time" : 1751360968334,
      "is_deteted" : false,
      "action_name_zh" : "Accept the ticket.",
      "action_name_en" : "Accepted",
      "status" : "issues_work_flow_status_2000",
```

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```
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "enum",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "Main process",
      "name_en" : "Main Process",
      "biz_id" : "issues_mgmt_history_type_1000",
      "prop_id" : "history_kind",
      "model_id" : "TicketHistoryInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "coc_developer_test",
      "name_en" : "coc_developer_test",
      "user_name" : "coc_developer_test",
      "biz_id" : "96d9d36ef5e74f7aa54122586d5df0d5",
      "prop_id" : "operator",
      "model_id" : "TicketHistoryInfo"
    } ]
  }, {
    "history_kind" : "issues_mgmt_history_type_1000",
    "action_id" : "main",
    "action" : "submit_issues_mgmt",
    "sub_action" : "success",
    "operator" : "96d9d36ef5e74f7aa54122586d5df0d5",
    "id" : "15160940fc26567c9db5fbea29e92f32",
    "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
    "start_time" : 1751358975131,
    "stop_time" : 1751360968334,
    "is_deteted" : false,
    "action_name_zh" : "Create an issue ticket.",
    "action_name_en" : "Create a trouble ticket",
    "status" : "issues_work_flow_status_1000",
    "final_sub_action" : "success",
    "enum_data_list" : [ {
      "is_deleted" : false,
      "match_type" : "enum",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "Main process",
      "name_en" : "Main Process",
      "biz_id" : "issues_mgmt_history_type_1000",
      "prop_id" : "history_kind",
      "model_id" : "TicketHistoryInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "coc_developer_test",
      "name_en" : "coc_developer_test",
      "user_name" : "coc_developer_test",
      "biz_id" : "96d9d36ef5e74f7aa54122586d5df0d5",
      "prop_id" : "operator",
      "model_id" : "TicketHistoryInfo"
    } ]
  } ]
 }
}
```


Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

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```
{
  "error_code" : "GOM.00067032",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.2.4 Searching Issue Tickets Based on Search Criteria

Function

This API is used to return a service ticket list, indicating that the service tickets that meet the search criteria are found. The value of *ticket_type* must be *issues_mgmt*, indicating that issue tickets are searched.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:list	List	-	-	-	-

URI

POST /v1/{ticket_type}/list-tickets

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Table 4-482 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be searched. The value is **issues_mgmt** for issue tickets. **Constraints**: 1–255 characters **Value range**: **issues_mgmt** **Default value**: N/A

Request Parameters

Table 4-483 Request body parameters

Parameter	Mandatory	Type	Description
string_filters	No	Array of **ObjectFilter** objects	**Definition**: Search criteria of a character string. You can search for a specific ticket based on the criteria. **Constraints**: Array length: 0 to 20 **Value range**: N/A **Default value**: N/A
sort_filter	No	**ObjectFilter** object	**Definition**: Sorting condition of the searched historical records. The records can be sorted by the creation time of the operation records. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
page	No	Integer	**Definition**: Number of the current page. The value 1 indicates that the first page is queried. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
per_page	No	Integer	**Definition**: Number of records on the current page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
contain_all	No	Boolean	**Definition**: Whether all data on the current page is returned. **Constraints**: N/A **Value range**: true/false **Default value**: N/A
contain_total	No	Boolean	**Definition**: Whether the total number of records on the current page is returned. **Constraints**: N/A **Value range**: true/false **Default value**: true

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Parameter	Mandatory	Type	Description
contain_sub_ticket	No	Boolean	**Definition**: Whether the current page contains sub-tickets. **Constraints**: N/A **Value range**: true/false **Default value**: true
ticket_types	No	Array of strings	**Definition**: Type of the ticket searched on the current page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-484 ObjectFilter

Parameter	Mandatory	Type	Description
operator	No	String	**Definition**: Operators include in, like, desc, startwith, endwith, =, !=, >, <, and more. **Constraints**: When you query a ticket ID, the operator is equal to, indicating that a specific ticket is searched for. When the query result is sorted, the operator is desc. Minimum length: 0 Maximum length: 20 **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
field	No	String	**Definition**: Name of the field to be operated. **Constraints**: When a ticket is queried, the field name is ticket_id. When the query result is sorted and filtered based on the creation time, the field name is start_time. Minimum length: 0 Maximum length: 255 **Value range**: N/A **Default value**: N/A
name	No	String	**Definition**: Name of the condition to be operated. **Constraints**: When a ticket is queried, the condition name is ticket_id. When the query result is sorted and filtered based on the creation time, the condition name is start_time. Minimum length: 0 Maximum length: 255 **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
values	No	Array of objects	**Definition**: Condition value that must be met when a field is operated. **Constraints**: When a ticket is queried, the condition value is the ticket ID. When the query result is sorted and filtered based on the creation time, the condition value is start_time. Array length: 0 to 1024 **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-485 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

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Parameter	Type	Description
data	**data** object	**Definition**: Ticket information found based on the search criteria. **Constraints**: N/A

Table 4-486 data

Parameter	Type	Description
total	Long	**Definition**: Total number of tickets queried. **Constraints**: N/A
tickets	Array of **CocTicketDetailInfoResponseData** objects	**Definition**: Queried ticket information. **Constraints**: N/A
count_results	Array of longs	**Definition**: Data batch count. **Constraints**: N/A

Table 4-487 CocTicketDetailInfoResponseData

Parameter	Type	Description
issue_correlation_sla	String	**Definition**: Issue ticket-associated SLA. **Value range**: N/A
level	String	**Definition**: Issue ticket level. **Value range**: N/A

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Parameter	Type	Description
root_cause_cloud_service	String	**Definition**: Responsible service of the issue ticket. **Value range**: N/A
root_cause_type	String	**Definition**: Root cause category of the issue ticket. **Value range**: N/A
current_cloud_service_id	String	**Definition**: Issue ticket service. **Value range**: N/A
issue_contact_person	String	**Definition**: Issue ticket contact person. **Value range**: N/A
issue_version	String	**Definition**: Version where the issue is found. **Value range**: N/A
source	String	**Definition**: Source of the issue ticket. **Value range**: N/A
commit_upload_attachment	String	**Definition**: ID of the uploaded attachment. **Value range**: N/A **Default value**: N/A
source_id	String	**Definition**: Source ID of the issue ticket. **Value range**: N/A

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Parameter	Type	Description
enterprise_project	String	**Definition**: Enterprise project of the issue ticket. **Value range**: N/A
virtual_schedule_type	String	**Definition**: Shift type of an issue ticket. **Value range**: N/A
title	String	**Definition**: Title of the issue ticket. **Value range**: N/A
regions	String	**Definition**: Region information of the issue ticket. **Value range**: N/A
description	String	**Definition**: Issue ticket description. **Value range**: N/A
root_cause_comment	String	**Definition**: Root cause analysis of the issue ticket. **Value range**: N/A
solution	String	**Definition**: Solution of the issue ticket. **Value range**: N/A
regions_serch	String	**Definition**: Value searched by region in the issue ticket. **Value range**: N/A

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Parameter	Type	Description
level_approve_config	String	**Definition**: Review configuration of the issue ticket level. **Value range**: N/A
suspension_approve_config	String	**Definition**: Review configuration of the issue ticket suspension. **Value range**: N/A
handle_time	Long	**Definition**: Issue ticket handling duration. **Value range**: N/A
fount_time	Long	**Definition**: Time when an issue ticket is found. **Value range**: N/A
is_common_issue	Boolean	**Definition**: Whether the issue is common. **Value range**: true/false
is_need_change	Boolean	**Definition**: Whether the issue ticket needs to be changed. **Value range**: true/false
is_enable_suspension	Boolean	**Definition**: Whether the issue ticket is suspended. **Value range**: true/false
is_start_process_async	Boolean	**Definition**: Whether to start the asynchronous process. **Value range**: true/false

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Parameter	Type	Description
is_update_null	Boolean	**Definition**: Whether to resubmit the empty field. **Value range**: true/false
creator	String	**Definition**: Issue ticket creator. **Value range**: N/A
operator	String	**Definition**: Operator of an issue ticket. **Value range**: N/A
is_return_full_info	Boolean	**Definition**: Whether to return all field information. **Value range**: true/false
is_start_process	Boolean	**Definition**: Whether to start the process. **Value range**: true/false
ticket_id	String	**Definition**: Issue ticket number. **Value range**: N/A
real_ticket_id	String	**Definition**: Issue ticket number. **Value range**: N/A
assignee	String	**Definition**: Current owner of the issue ticket. **Value range**: N/A

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Parameter	Type	Description
participator	String	**Definition**: Issue ticket participant. **Value range**: N/A
work_flow_status	String	**Definition**: Issue ticket status. **Value range**: N/A
engine_error_msg	String	**Definition**: Process status. **Value range**: N/A
baseline_status	String	**Definition**: Baseline status. **Value range**: N/A
ticket_type	String	**Definition**: Service ticket type. **Value range**: issues_mgmt
phase	String	**Definition**: Current phase of the issue ticket. **Value range**: N/A
sub_tickets	Array of **sub_tickets** objects	**Definition**: Change sub-ticket information. **Value range**: N/A
enum_data_list	Array of **IssuesTicketInfoEnumData** objects	**Definition**: Enumerated values associated with the issue ticket. **Value range**: N/A

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Parameter	Type	Description
id	String	**Definition**: Primary key UUID of an issue ticket. **Value range**: N/A
meta_data_version	Integer	**Definition**: Application version involved in the issue. **Value range**: N/A
update_time	Long	**Definition**: Timestamp when an issue ticket is updated. **Value range**: N/A
create_time	Long	**Definition**: Timestamp for issue ticket creation. **Value range**: N/A
is_deleted	Boolean	**Definition**: Whether the service ticket is deleted. **Value range**: N/A
ticket_type_id	String	**Definition**: Service ticket type. **Value range**: N/A
_form_info	Object	**Definition**: Action information. **Value range**: N/A **Default value**: N/A

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Table 4-488 sub_tickets

Parameter	Type	Description
change_ticket_id	String	**Definition**: ID of the associated change ticket. **Value range**: N/A
change_ticket_id_sub	String	**Definition**: Sub-ticket number of the change ticket. **Value range**: N/A
whether_to_change	Boolean	**Definition**: Whether a change is required **Value range**: N/A
is_deleted	Boolean	**Definition**: Whether it is deleted **Value range**: N/A
id	String	**Definition**: Change ticket ID. **Value range**: N/A
main_ticket_id	String	**Definition**: Primary key ID of the change ticket. **Value range**: N/A
parent_ticket_id	String	**Definition**: Parent ticket ID. **Value range**: N/A
ticket_id	String	**Definition**: Issue Ticket ID. **Value range**: N/A

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Parameter	Type	Description
real_ticket_id	String	**Definition**: Ticket number. **Value range**: N/A
ticket_path	String	**Definition**: Ticket path. **Value range**: N/A
target_value	String	**Definition**: Region information. **Value range**: N/A
target_type	String	**Definition**: Sub-ticket type. **Value range**: N/A
create_time	Long	**Definition**: Time when a service ticket is created. **Value range**: N/A
update_time	Long	**Definition**: Time when a ticket is updated. **Value range**: N/A
creator	String	**Definition**: ID of the ticket creator. **Value range**: N/A
operator	String	**Definition**: ID of the ticket operator. **Value range**: N/A

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Table 4-489 IssuesTicketInfoEnumData

Parameter	Type	Description
is_deleted	Boolean	**Definition**: Whether it is deleted **Value range**: N/A
match_type	String	**Definition**: Matched enumerated type. **Value range**: N/A
ticket_id	String	**Definition**: Current service ticket ID. **Value range**: N/A
real_ticket_id	String	**Definition**: Service ticket ID. **Value range**: N/A
name_zh	String	**Definition**: Chinese name. **Value range**: N/A
name_en	String	**Definition**: English name. **Value range**: N/A
biz_id	String	**Definition**: Unique ID of an enumerated value. When match_type is set to reference__base_config.User, the value of biz_id is the unique ID of the operator. **Value range**: N/A
prop_id	String	**Definition**: Type corresponding to the current enumerated value. **Value range**: N/A

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Parameter	Type	Description
model_id	String	**Definition**: Model ID corresponding to a background application. **Value range**: N/A

Status code: 400

Table 4-490 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Search for the issue ticket ISU202507011636140160450 39 created by the current user.

```
POST https://{Endpoint}/v1/issues_mgmt/list-tickets

{
  "page" : 1,
  "per_page" : 10,
  "sort_filter" : {
    "operator" : "desc",
    "field" : "create_time",
    "name" : "create_time",
    "values" : [ "create_time" ]
```

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```
 },
 "string_filters" : [ {
   "operator" : "in",
   "field" : "creator",
   "name" : "creator_default",
   "values" : [ "96d9d36ef5e74f7aa54122586d5df0d5" ]
 }, {
   "operator" : "=",
   "field" : "ticket_id",
   "name" : "ticket_id",
   "values" : [ "ISU20250701163614016045039" ]
 } ],
 "contain_total" : true
}
```

Example Responses

Status code: 200

The request for searching for the issue ticket is successful.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "total" : 1,
    "tickets" : [ {
      "ticket_type" : "issues_type_1000",
      "issue_correlation_sla" : "ISU20250701163614016045039",
      "level" : "issues_level_4000",
      "root_cause_cloud_service" : "64881815b7cb4b2314f5ab12",
      "current_cloud_service_id" : "64881815b7cb4b2314f5ab12",
      "issue_contact_person" : "96d9d36ef5e74f7aa54122586d5df0d5",
      "commit_upload_attachment" : "",
      "source_id" : "",
      "enterprise_project" : "0",
      "virtual_schedule_type" : "issues_mgmt_virtual_schedule_type_2000",
      "title" : "test",
      "regions" : "",
      "description" : "[Symptom] test\n[Impact on the live network]",
      "level_approve_config" : "{\"approve_role_type\":\"issue_creator_approve\",\"issue_approve_type
\":\"issue_level_approve\",\"level
\":\"issues_level_3000,issues_level_4000,issues_level_2000,issues_level_1000\",\"approve_rule
\":\"issue_or_sign\",\"approve_personal
\":\"5584d8abc2764fdbb45ef7fdda37cd50,bf1c440af2b240368fd98e46bb5c968c\",\"status
\":true,\"is_start_process_async\":true,\"is_update_null\":false,\"creator
\":\"78eded5f0f114f88a07504482e7dcd1b\",\"operator
\":\"5e65c4eb605642938d6457255f41daf5\",\"is_return_full_info\":false,\"is_start_process\":true,\"ticket_id
\":\"b4540a9c-03cb-4fe4-ad51-33951d870abc\",\"real_ticket_id
\":\"20250614161245010463594140\",\"work_flow_status\":\"issue_process_control_draft
\",\"engine_error_msg\":\"\",\"baseline_status\":\"issue_process_control_draft\",\"sub_tickets\":
[],\"enum_data_list\":[],\"id\":\"2e1a17a21c5ab7e2dd0fcea03b2a7445\",\"meta_data_version
\":0,\"update_time\":1750843183515,\"create_time\":1750843183515,\"is_deleted\":false,\"ticket_type_id
\":\"issue_process_control\",\"_form_info\":{}}",
      "suspension_approve_config" : "{\"approve_role_type\":\"issue_creator_approve\",\"issue_approve_type
\":\"issue_suspend_approve\",\"level\":\"\",\"approve_rule\":\"issue_or_sign\",\"approve_personal
\":\"5584d8abc2764fdbb45ef7fdda37cd50,bf1c440af2b240368fd98e46bb5c968c\",\"status
\":true,\"is_start_process_async\":true,\"is_update_null\":false,\"creator
\":\"78eded5f0f114f88a07504482e7dcd1b\",\"operator
\":\"5e65c4eb605642938d6457255f41daf5\",\"is_return_full_info\":false,\"is_start_process\":true,\"ticket_id
\":\"20e3c48b-c74e-4819-b602-3da36933c200\",\"real_ticket_id
\":\"20250614161250010088182250\",\"work_flow_status\":\"issue_process_control_draft
\",\"engine_error_msg\":\"\",\"baseline_status\":\"issue_process_control_draft\",\"sub_tickets\":
[],\"enum_data_list\":[],\"id\":\"02d45be207bb18e5f7786bf7af9dfbbf\",\"meta_data_version
\":0,\"update_time\":1750843179194,\"create_time\":1750843179194,\"is_deleted\":false,\"ticket_type_id
\":\"issue_process_control\",\"_form_info\":{}}",
      "handle_time" : 606768297,
      "fount_time" : 0,
```

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```
  "is_start_process_async" : true,
  "is_update_null" : false,
  "creator" : "96d9d36ef5e74f7aa54122586d5df0d5",
  "operator" : "96d9d36ef5e74f7aa54122586d5df0d5",
  "is_return_full_info" : false,
  "is_start_process" : true,
  "ticket_id" : "ISU20250701163614016045039",
  "real_ticket_id" : "ISU20250701163614016045039",
  "assignee" : "96d9d36ef5e74f7aa54122586d5df0d5",
  "participator" : "96d9d36ef5e74f7aa54122586d5df0d5",
  "work_flow_status" : "issues_work_flow_status_2000",
  "engine_error_msg" : "",
  "baseline_status" : "issues_mgmt_draft",
  "phase" : "issues_phase_2000",
  "sub_tickets" : [ ],
  "enum_data_list" : [ {
    "is_deleted" : false,
    "match_type" : "enum",
    "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
    "real_ticket_id" : "ISU20250701163614016045039",
    "name_zh" : "Functional issues",
    "name_en" : "Functional issue",
    "biz_id" : "issues_type_1000",
    "prop_id" : "ticket_type",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "enum",
    "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
    "real_ticket_id" : "ISU20250701163614016045039",
    "name_zh" : "Individual",
    "name_en" : "Individuals",
    "biz_id" : "issues_mgmt_virtual_schedule_type_2000",
    "prop_id" : "virtual_schedule_type",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "reference__base_config.User",
    "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
    "real_ticket_id" : "ISU20250701163614016045039",
    "name_zh" : "coc_developer_test",
    "name_en" : "coc_developer_test",
    "user_name" : "coc_developer_test",
    "biz_id" : "96d9d36ef5e74f7aa54122586d5df0d5",
    "prop_id" : "creator",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "reference__base_config.User",
    "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
    "real_ticket_id" : "ISU20250701163614016045039",
    "name_zh" : "coc_developer_test",
    "name_en" : "coc_developer_test",
    "user_name" : "coc_developer_test",
    "biz_id" : "96d9d36ef5e74f7aa54122586d5df0d5",
    "prop_id" : "issue_contact_person",
    "model_id" : "TicketInfo"
  }, {
    "is_deleted" : false,
    "match_type" : "reference__base_config.Resource",
    "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
    "real_ticket_id" : "ISU20250701163614016045039",
    "name_zh" : "COC demo",
    "name_en" : "COC demo",
    "biz_id" : "64881815b7cb4b2314f5ab12",
    "prop_id" : "current_cloud_service_id",
    "model_id" : "TicketInfo"
  }, {
    "allow_actions" : "gocm_issues_workarounds_live_network_success",
```


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```
      "is_deleted" : false,
      "match_type" : "enum",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "Solution developing",
      "name_en" : "Locate the solution",
      "biz_id" : "issues_work_flow_status_2000",
      "prop_id" : "work_flow_status",
      "model_id" : "TicketInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "reference__base_config.Resource",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "COC demo",
      "name_en" : "COC demo",
      "biz_id" : "64881815b7cb4b2314f5ab12",
      "prop_id" : "root_cause_cloud_service",
      "model_id" : "TicketInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "enum",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "Tips",
      "name_en" : "Prompts",
      "biz_id" : "issues_level_4000",
      "prop_id" : "level",
      "model_id" : "TicketInfo"
    }, {
      "is_deleted" : false,
      "match_type" : "reference__base_config.User",
      "ticket_id" : "72b8d255-a194-428f-94d0-29b6d91bec6d",
      "real_ticket_id" : "ISU20250701163614016045039",
      "name_zh" : "coc_developer_test",
      "name_en" : "coc_developer_test",
      "user_name" : "coc_developer_test",
      "biz_id" : "96d9d36ef5e74f7aa54122586d5df0d5",
      "prop_id" : "assignee",
      "model_id" : "TicketInfo"
    } ],
    "id" : "d924a508d9c655145798e3e72cd3f6ae",
    "meta_data_version" : 39,
    "update_time" : 1751360968296,
    "create_time" : 1751358974724,
    "is_deleted" : false,
    "ticket_type_id" : "issues_mgmt",
    "_form_info" : { }
  } ],
  "count_results" : [ ]
 }
}
```


Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.


```
{
 "error_code" : "GOM.00007256",
 "error_msg" : "Invalid parameter",
 "provider_code" : 4,
 "data" : null
}
```


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Status Codes

Status Code	Description
200	The request for searching for the issue ticket is successful.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.6.3 Alarm Management

4.6.3.1 Handling Alarms

Function

This API is used to select a contingency plan, script, or job to handle an alarm. You can select an alarm by the alarm ID. You need to specify the contingency plan, script, or job to be executed. For details, see the request parameter description and request example.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:instance:executeDocument	Write	instance *	-	-	-
		document *	-		

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
		-	• coc:ApplicationId • coc:ApplicationGroupId • g:EnterpriseProjectId • coc:DocumentRiskLevel		

URI

POST /v1/alarm-mgmt/alarm/{alarm_id}/auto-process

Table 4-491 Path Parameters

Parameter	Mandatory	Type	Description
alarm_id	Yes	String	**Definition**: Alarm ID, which uniquely identifies an alarm. You can obtain the alarm ID from the aggregated alarms page of the alarm management module on COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Request Parameters

Table 4-492 Request body parameters

Parameter	Mandatory	Type	Description
task_type	Yes	Object	**Definition**: Task type. A specific task needs to be executed to handle alarms. For details, see the value range. **Constraints**: N/A **Value range**: • PLAN: contingency plan • SCRIPT: script • RUNBOOK: job **Default value**: N/A
associated_task_id	Yes	String	**Definition**: Unique ID of a task. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
associated_task_type	Yes	Object	**Definition**: Task type. Each task can be classified as a custom task or a public task. **Constraints**: N/A **Value range**: • CUSTOMIZATION: custom task. • COMMUNAL: public task. **Default value**: N/A

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Parameter	Mandatory	Type	Description
associated_task_name	Yes	String	**Definition**: Task name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
associated_task_enterprise_project_id	No	String	**Definition**: Enterprise project ID. Enterprise ID created by a user on EPS. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
runbook_instance_mode	No	Object	**Definition**: Job instance mode. **Constraints**: Select the target instance mode after selecting the job in**Alarm Management**. **Value range**: • SAME: The steps are the same. • DIFF: The steps are independent. • MIXED: The steps are customized. **Default value**: SAME

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Parameter	Mandatory	Type	Description
input_param	Yes	Map<String,String>	**Definition**: Task execution parameter. **Constraints**: Select the target instance mode after selecting the job in**Alarm Management**. **Value range**: 0–1,000 characters, in JSON format. **Default value**: N/A
target_instances	No	Array of **ScheduleInstance** objects	**Definition**: Target instance information. **Constraints**: Select the target instance after selecting the job in**Alarm Management**. **Value range**: N/A **Default value**: N/A
region_id	No	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-493 ScheduleInstance

Parameter	Mandatory	Type	Description
target_selection	Yes	String	**Definition**: Target selection mode. **Constraints**: Select the instance selection mode on the alarm handling page in **Alarm Management**](tag:hws_hk). **Value range**: • ALL: Select all instances automatically. • MANUAL: Select instances manually. • NONE: Select no instance. **Default value**: MANUAL
order_no	Yes	Integer	**Definition**: Step sequence number. **Constraints**: Select the job step number (starting from 0) on the alarm handling page in **Alarm Management**](tag:hws_hk). **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
batch_strategy	No	String	**Definition**: Batch policy. You can select a batch policy to control the execution scale of instances. **Constraints**: Select the batch policy on the alarm handling page in **Alarm Management**](tag:hws_hk). **Value range**: • AUTO_BATCH: automatic batching • MANUAL_BATCH: manual batching • NONE: no batching **Default value**: N/A
sub_target_instances	No	Array of **ScheduleInstance** objects	**Definition**: Sub-step instance target. You can execute some instances in the sub-steps of a task. **Constraints**: The number of sub-step instance targets cannot exceed 10,000. **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Response is returned correctly.

Status code: 400

Table 4-494 Response body parameters

Parameter	Type	Description
error_code	String	Error code
error_msg	String	Error description

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Example Requests

- Use a contingency plan to handle the alarm whose ID is ALM2025071417361705s6mUUrF.

```
POST https://{Endpoint}/v1/alarm-mgmt/alarm/ALM2025071417361705s6mUUrF/auto-process

{
  "task_type" : "PLAN",
  "associated_task_type" : "CUSTOMIZATION",
  "associated_task_id" : "CTP20250705005804610013656",
  "associated_task_enterprise_project_id" : "0",
  "associated_task_name" : "test-v5",
  "input_param" : {
    "success_rate" : 100,
    "timeout" : 300,
    "execute_user" : "root",
    "project_id" : "****",
    "script_params" : "[{\"paramName\":\"aaa\",\"paramValue\":\"1\",\"paramOrder\":1}]"
  },
  "target_instances" : [ {
    "target_selection" : "MANUAL",
    "target_instances" : "{\"batches\":[{\"batchIndex\":1,\"rotationStrategy\":\"CONTINUE
\",\"targetInstances\":[{\"resourceId\":\"****\",\"regionId\":\"***\",\"provider\":\"ECS\",\"type
\":\"CLOUDSERVERS\",\"agentSn\":\"****\",\"agentStatus\":\"ONLINE\",\"nodeId
\":\"\",\"enterpriseProjectId\":\"0\",\"properties\":{\"hostName\":\"platform04-l60076595\",\"fixedIp
\":\"192.168.0.50\",\"regionId\":\"***\",\"zoneId\":\"***a\",\"projectId\":\"****\"}}],\"cmdbInstances\":
[{\"id\":\"****\",\"resourceId\":\"****\",\"name\":\"platform04-l60076595\",\"projectId\":\"****
\",\"domainId\":\"****\",\"regionId\":\"***\",\"agentId\":\"****\",\"agentState\":\"ONLINE\",\"provider
\":\"ecs\",\"enterpriseProjectId\":\"0\",\"type\":\"cloudservers\",\"properties\":{\"addresses\":
[{\"OsExtIpsType\":\"fixed\",\"OsExtIpsPortId\":\"055f2d75-f3fc-439a-8958-e7bc0b75cb9f\",\"addr
\":\"192.168.0.50\",\"version\":4,\"OsExtIpsMacAddr\":\"fa:16:3e:fa:52:84\",\"primary
\":true}],\"metadata\":{\"osType\":\"Linux\"},\"OsExtAz\":\"***a\",\"status\":\"SHUTOFF\"}}]}],\"policy
\":\"none\",\"all_rotation\":\"FIRST_PAUSE\"}",
    "order_no" : 0,
    "batch_strategy" : "NONE"
  } ],
  "runbook_instance_mode" : "SAME",
  "sub_task_info" : {
    "sub_task_type" : "SCRIPT",
    "sub_associated_task_id" : "SC2025070422401301957l6f7",
    "sub_associated_task_name" : "yy-ccc",
    "sub_associated_task_type" : "CUSTOMIZATION"
  }
}
```

- Use a script to handle the alarm whose ID is ALM2025071417361705s6mUUrF.

```
POST https://{Endpoint}/v1/alarm-mgmt/alarm/ALM2025071417361705s6mUUrF/auto-process

{
  "task_type" : "SCRIPT",
  "associated_task_type" : "CUSTOMIZATION",
  "associated_task_id" : "SC2025071006154101b779eb7",
  "associated_task_enterprise_project_id" : "0",
  "associated_task_name" : "testScript92DDf",
  "input_param" : {
    "timeout" : 300,
    "execute_user" : "root",
    "success_rate" : 100,
    "project_id" : "****",
    "script_params" : "[]"
  },
  "target_instances" : [ {
    "target_selection" : "MANUAL",
    "target_instances" : "{\"batches\":[{\"batchIndex\":1,\"rotationStrategy\":\"CONTINUE
\",\"targetInstances\":[{\"resourceId\":\"****\",\"regionId\":\"***\",\"provider\":\"ECS\",\"type
\":\"CLOUDSERVERS\",\"agentSn\":\"****\",\"agentStatus\":\"ONLINE\",\"nodeId
\":\"\",\"enterpriseProjectId\":\"0\",\"properties\":{\"hostName\":\"platform04-l60076595\",\"fixedIp
```

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\":\"192.168.0.50\",\"regionId\":\"***\",\"zoneId\":\"***a\",\"projectId\":\"****\"}}],\"cmdbInstances\":
[{\"id\":\"****\",\"resourceId\":\"****\",\"name\":\"platform04-l60076595\",\"projectId\":\"****
\",\"domainId\":\"****\",\"regionId\":\"***\",\"agentId\":\"****\",\"agentState\":\"ONLINE\",\"provider
\":\"ecs\",\"enterpriseProjectId\":\"0\",\"type\":\"cloudservers\",\"properties\":{\"addresses\":
[{\"OsExtIpsType\":\"fixed\",\"OsExtIpsPortId\":\"055f2d75-f3fc-439a-8958-e7bc0b75cb9f\",\"addr
\":\"192.168.0.50\",\"version\":4,\"OsExtIpsMacAddr\":\"fa:16:3e:fa:52:84\",\"primary
\":true}],\"metadata\":{\"osType\":\"Linux\"},\"OsExtAz\":\"***a\",\"status\":\"ACTIVE\"}}]}],\"policy
\":\"none\",\"all_rotation\":\"FIRST_PAUSE\"}",
    "order_no" : 0,
    "batch_strategy" : "NONE"
  }],
  "runbook_instance_mode" : "SAME",
  "sub_task_info" : null
}

- Use a job to process the alarm whose ID is ALM20250714173617O5s6mUUrF.

```
POST https://{Endpoint}/v1/alarm-mgmt/alarm/ALM20250714173617O5s6mUUrF/auto-process

{
  "task_type" : "RUNBOOK",
  "associated_task_type" : "CUSTOMIZATION",
  "associated_task_id" : "RB2025070814434301497f304",
  "associated_task_enterprise_project_id" : "0",
  "associated_task_name" : "listinstance",
  "associated_task_name_en" : "",
  "input_param" : {
    "success_rate" : 100,
    "project_id" : "****",
    "job_uuid" : "RB2025070814434301497f304",
    "execute_atomic_tasks" : "[{\"accountmgmt_changepwd_task\":false,\"task_name\":\"listinstance
\",\"task_name_en\":null,\"task_desc\":null,\"task_desc_en\":null,\"atomic_unique_key\":\"execute_api
\",\"type\":\"Simple\",\"sub_tasks\":[{\"accountmgmt_changepwd_task\":false,\"task_name
\":\"listinstance\",\"task_name_en\":null,\"task_desc\":null,\"task_desc_en\":null,\"atomic_unique_key
\":\"execute_api\",\"type\":\"Simple\",\"sub_tasks\":[],\"inputs\":[{\"param_key\":\"service
\",\"param_value\":\"Kafka\",\"value_type\":\"CUSTOM\",\"atomic_name\":null},{\"param_key
\":\"apiName\",\"param_value\":\"ListInstances\",\"value_type\":\"CUSTOM\",\"atomic_name\":null},
{\"param_key\":\"path\",\"param_value\":{},\"value_type\":\"COMPLEX\",\"atomic_name\":null},
{\"param_key\":\"query\",\"param_value\":{\"engine\":\"kafka\",\"name\":null,\"instance_id\":\"****
\",\"status\":null,\"include_failure\":null,\"exact_match_name\":null,\"enterprise_project_id
\":null,\"offset\":null,\"limit\":null},\"value_type\":\"COMPLEX\",\"atomic_name\":null},{\"param_key
\":\"body\",\"param_value\":{},\"value_type\":\"COMPLEX\",\"atomic_name\":null}],\"outputs\":
[],\"display_region\":\"REQUIRED\",\"error_handle_type\":\"STOP\",\"execute_batches\":
[],\"loop_instances\":[],\"target_instance\":{\"limit\":999,\"required\":false},\"loop_item\":null,\"label
\":\"1. listinstance\",\"default_filter_params\":{\"agent_state\":\"ONLINE\"},\"checked_instance\":
[]}],\"inputs\":[{\"param_key\":\"service\",\"param_value\":\"Kafka\",\"value_type\":\"CUSTOM
\",\"atomic_name\":null},{\"param_key\":\"apiName\",\"param_value\":\"ListInstances\",\"value_type
\":\"CUSTOM\",\"atomic_name\":null},{\"param_key\":\"path\",\"param_value\":{},\"value_type
\":\"COMPLEX\",\"atomic_name\":null},{\"param_key\":\"query\",\"param_value\":{\"engine\":\"kafka
\",\"name\":null,\"instance_id\":\"****\",\"status\":null,\"include_failure\":null,\"exact_match_name
\":null,\"enterprise_project_id\":null,\"offset\":null,\"limit\":null},\"value_type\":\"COMPLEX
\",\"atomic_name\":null},{\"param_key\":\"body\",\"param_value\":{},\"value_type\":\"COMPLEX
\",\"atomic_name\":null}],\"outputs\":[],\"display_region\":\"REQUIRED\",\"error_handle_type\":\"STOP
\",\"execute_batches\":[],\"loop_instances\":[],\"target_instance\":{\"limit\":999,\"required
\":false},\"loop_item\":null,\"label\":\"1. listinstance\",\"step_same_active\":true,\"step_diff_active
\":true}]",
    "vars" : "[]"
  },
  "target_instances" : [ {
    "target_selection" : "NONE",
    "target_resource" : null,
    "order_no" : 0,
    "batch_strategy" : null,
    "sub_target_instances" : [ {
      "target_selection" : "NONE",
      "target_resource" : null,
      "target_instances" : null,
      "order_no" : 0,
      "batch_strategy" : null
    } ]
  } ],
```

```
  "runbook_instance_mode" : "DIFF",
  "instance_required" : false,
  "sub_task_info" : null,
  "region_id" : "***"
}
```

Example Responses

Status code: 200

Response is returned correctly.

```
{
  "errorCode" : "200",
  "errorMsg" : "Success",
  "data" : "RBT20250714173737012226d25c"
}
```

Status Codes

Status Code	Description
200	Response is returned correctly.
400	Invalid request from the client.

Error Codes

See **Error Codes**.

4.6.3.2 Querying Alarm Details

Function

This API is used to query alarm details by alarm ID.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:alarm:get	Read	-	-	-	-

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URI

GET /v1/alarm-mgmt/alarm/{alarm_id}

Table 4-495 Path Parameters

Parameter	Mandatory	Type	Description
alarm_id	Yes	String	**Definition**: Alarm ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-496 Response body parameters

Parameter	Type	Description
data	**AlarmInfoDTO** object	Alarm details.

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Table 4-497 AlarmInfoDTO

Parameter	Type	Description
id	String	**Definition**: Alarm ID, which uniquely identifies an alarm. You can obtain the alarm ID from the aggregated alarms page of the alarm management module on COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
name	String	**Definition**: Alarm name. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
importance	String	**Definition**: Alarm severity. **Constraints**: N/A **Value range**: urgent • major • minor • warn **Default value**: N/A

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Parameter	Type	Description
come_from	String	**Definition**: Alarm source, which can be obtained from the integration management module. The value is the name of each cloud service. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
transfer_rule	String	**Definition**: Unique ID of an alarm conversion rule. You can obtain the alarm conversion rule ID from the alarm management module of COC. An alarm is created using an alarm conversion rule. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
transfer_rule_name	String	**Definition**: Name of the alarm conversion rule. You can obtain the alarm conversion rule name from the alarm management module of COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
app	String	**Definition**: Application name. You need to enter the application name when creating an alarm conversion rule. You can obtain the application name from the alarm conversion rule. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
status	String	**Definition**: Alarm status. There are two alarm states: alarming and resolved. When you click the button for clearing an alarm, the alarm status changes into resolved. **Constraints**: N/A **Value range**: ● alarming ● resolved **Default value**: alarming
owner	String	**Definition**: Owner ID. When creating an alarm conversion rule, you need to specify the owner. You can obtain the owner ID in the personnel management module. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
owner_name	String	**Definition**: Owner name. When creating an alarm conversion rule, you need to specify the owner. You can obtain the owner name in the personnel management module. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
owner_alias	String	**Definition**: Owner alias. COC allows you to set aliases for owners. You can obtain the aliases in the personnel management module. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
converge_count	Integer	**Definition**: Number of alarms that meet the alarm conversion rule in a specified period. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
associate_event_id	String	**Definition**: Associated incident ID, which uniquely identifies an incident. You can obtain the incident ID from the incident management page on COC. After an alarm is converted to an incident, the alarm can be associated with an incident. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
domain_id	String	**Definition**: Tenant ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
creator	String	**Definition**: ID of the user who creates the alarm conversion rule. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
creator_name	String	**Definition**: Name of the user who creates the alarm conversion rule. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
create_time	Long	**Definition**: Time the alarm was created. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
update_time	Long	**Definition**: Alarm update time. This parameter is updated when you perform operations on an alarm. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
remarks	String	**Definition**: Remarks. You can enter remarks when clearing an alarm. **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
region	String	**Definition**: Region ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
task_type	String	**Definition**: Task type. A specific task needs to be executed to handle alarms. For details, see the value range. **Constraints**: N/A **Value range**: ● SCRIPT: script ● RUNBOOK: job ● PLAN: contingency plan **Default value**: N/A
associated_task_type	String	**Definition**: Task type. Each task can be classified as a custom task or a public task. Custom tasks are created by users, and public tasks are those provided by COC. **Constraints**: N/A **Value range**: ● CUSTOMIZATION: custom task. ● COMMUNAL: public task. **Default value**: N/A

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Parameter	Type	Description
associated_task_id	String	**Definition**: Unique ID of a task. You can obtain the task ID from the Resource O&M > Automated O&M page on COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
associated_task_name	String	**Definition**: Task name. You can obtain the task name from the Resource O&M > Automated O&M page on COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Status code: 400

Table 4-498 Response body parameters

Parameter	Type	Description
error_code	String	Error code
error_msg	String	Error description

Example Requests

Query information about the alarm whose ID is ALM2025071216523205dS85AL9.

```
GET https://{Endpoint}/v1/alarm-mgmt/alarm/ALM2025071216523205dS85AL9
```

Example Responses

Status code: 200

The details about the alarm are queried successfully.

```
{
  "app" : "67878512ed22d8546b44fce4",
```

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```
 "associated_task_id" : "SC20250422142607018c62b2d",
 "associated_task_name" : "Example",
 "associated_task_type" : "CUSTOMIZATION",
 "come_from" : "Cloud Eye",
 "come_from_en" : "HUAWEI CLOUD Cloud Monitor",
 "converge_count" : 1,
 "create_time" : 1752310352673,
 "enterprise_project_id" : "0",
 "id" : "ALM2025071216523205dS85AL9",
 "importance" : "minor",
 "name" : "Example",
 "owner" : "****",
 "owner_name" : "****",
 "region" : "***",
 "status" : "alarming",
 "task_type" : "SCRIPT",
 "transfer_rule" : "993568f199d7eb5d7cf297902250fdc8",
 "transfer_rule_name" : "Example"
}
```


Status Codes

Status Code	Description
200	The details about the alarm are queried successfully.
400	Invalid request from the client.

Error Codes

See **Error Codes**.

4.6.3.3 Clearing Alarms in Batches

Function

This API is used to clear alarms in batches. You can manually clear alarms based on the alarm impact and alarm reporting status after the task execution.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

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Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:alarm:clear	Write	-	-	-	-

URI

POST /v1/alarm-mgmt/alarms/cancel

Request Parameters

Table 4-499 Request body parameters

Parameter	Mandatory	Type	Description
remarks	No	String	**Definition**: Alarm remarks. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
alarm_ids	Yes	String	**Definition**: Alarm ID list. **Constraints**: Select the alarm ID in the aggregated alarm in**Alarm Management**. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_service_interrupt	No	Boolean	**Definition**: Whether the service is interrupted. **Constraints**: N/A **Value range**: • true: The service is interrupted. • false: The service is not interrupted. **Default value**: false
start_time	No	Long	**Definition**: Fault occurrence time. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
fault_recovery_time	No	Long	**Definition**: Fault rectification time. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-500 Response body parameters

Parameter	Type	Description
data	Array of strings	**Definition**: IDs of cleared alarms. **Constraints**: N/A **Default value**: N/A

Example Requests

Clear the alarms whose IDs are ALM2025071215495805XCFf001 and ALM2025071215495805XCFf002, the services are not interrupted, and remarks are Demo.

```
GET https://{Endpoint}//v1/alarm-mgmt/alarms/cancel

{
  "alarm_ids" : "ALM2025071215495805XCFf001,ALM2025071215495805XCFf002",
  "is_service_interrupt" : false,
  "remarks" : "Demo"
}
```

Example Responses

Status code: 200

Response is returned correctly.

```
{
  "data" : [ "ALM2025071215495805XCFf001", "ALM2025071215495805XCFf002" ]
}
```

Status Codes

Status Code	Description
200	Response is returned correctly.

Error Codes

See **Error Codes**.

4.6.3.4 Converting an Alarm Ticket to an Incident Ticket

Function

This API is used to convert an alarm ticket to an incident ticket. You can manually convert an alarm ticket to an incident ticket based on the alarm impact and the

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alarm reporting status after the task execution. If the alarm impact is severe, you can handle the alarm based on the incident handling process.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:alarm:createAlarmLinkedIncident	Write	-	-	-	-

URI

POST /v1/alarm-mgmt/alarms-linked-incident

Request Parameters

Table 4-501 Request body parameters

Parameter	Mandatory	Type	Description
alarm_ids	Yes	String	**Definition**: Alarm ID list. Each alarm ID uniquely identifies an alarm. You can obtain the alarm ID from the aggregated alarms page of the alarm management module on COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
enterprise_project_id	No	String	**Definition**: Enterprise project ID. Enterprise ID created by a user on EPS. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
assignee	No	String	**Definition**: Owner name. When creating an alarm conversion rule, you need to specify the owner. You can obtain the owner name in the personnel management module. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
assignee_role	No	String	**Definition**: Shift name. You can obtain the shift name on the shift management page of the basic configuration module. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
assignee_scene	No	String	**Definition**: Shift role. You can obtain the shift role on the shift management page of the basic configuration module. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
attachment	No	String	**Definition**: Attachment list. You can upload attachments when an alarm ticket is converted into an incident ticket. **Constraints**: N/A **Value range**: 0–1,024 characters. **Default value**: N/A
current_cloud_service_id	Yes	String	**Definition**: Faulty application ID. When you select an incident ticket, you can select an application where the incident occurs. **Constraints**: Select the ID of the application in the raw alarm in**Alarm Management**. **Value range**: 0–255 characters. **Default value**: N/A

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Parameter	Mandatory	Type	Description
description	Yes	String	**Definition**: Incident description. **Constraints**: N/A **Value range**: 0–600 characters. **Default value**: N/A
is_change_event	No	Boolean	**Definition**: Whether to change the incident ticket. **Constraints**: N/A **Value range**: • false: The incident ticket is not interrupted. • true: The incident ticket is interrupted. **Default value**: false
is_service_interrupt	Yes	Boolean	**Definition**: Whether the service is interrupted. **Constraints**: N/A **Value range**: • false: The service is not interrupted. • true: The service is interrupted. **Default value**: false

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Parameter	Mandatory	Type	Description
level_id	Yes	String	**Definition**: Incident level. **Constraints**: N/A **Value range**: • level_10: P1 incident • level_20: P2 incident • level_30: P3 incident • level_40: P4 incident • level_50: P5 incident **Default value**: level_50
mtm_region	No	String	**Definition**: Region ID. You can select the region where the incident occurs. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
mtm_type	Yes	String	**Definition**: Incident type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
source_id	No	String	**Definition**: Incident creation mode. You can set the incident creation mode based on the site requirements. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
title	Yes	String	**Definition**: Incident name. **Constraints**: 0–255 characters. **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-502 Response body parameters

Parameter	Type	Description
data	Array of strings	**Definition**: IDs of cleared alarms. **Constraints**: N/A **Default value**: N/A

Example Requests

Convert the alarm whose ID is ALM2025071420081505ylU68fX to a P5 incident.

```
GET https://{Endpoint}//v1/alarm-mgmt/alarms-linked-incident

{
```

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```
 "alarm_ids" : "ALM2025071420081505ylU68fX",
 "mtm_region" : "",
 "enterprise_project_id" : "0",
 "current_cloud_service_id" : "****",
 "level_id" : "level_50",
 "is_service_interrupt" : false,
 "mtm_type" : "inc_type_p_monitoring_issues",
 "title" : "test",
 "description" : "Demo",
 "owner" : {
   "group_type" : "user",
   "schedule_scene" : null,
   "schedule_role" : null,
   "users" : "****"
 },
 "fault_time" : null,
 "attachment" : "[]",
 "assignee" : "****",
 "assignee_scene" : null,
 "assignee_role" : null,
 "source_id" : "incident_source_alarm"
}
```

Example Responses

Status code: 200

Response is returned correctly.

```
{
 "data" : [ "ALM2025071420081505ylU68fX" ]
}
```

Status Codes

Status Code	Description
200	Response is returned correctly.

Error Codes

See **Error Codes**.

4.6.3.5 Querying Historical Alarms

Function

This API is used to query historical alarms by alarm ID.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.

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- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:alarm:listHandleHistories	List	-	-	-	-

URI

GET /v1/alarm-mgmt/alarm/{alarm_id}/handle-histories

Table 4-503 Path Parameters

Parameter	Mandatory	Type	Description
alarm_id	Yes	String	**Definition**: Alarm ID, which uniquely identifies an alarm. You can obtain the alarm ID from the aggregated alarms page of the alarm management module on COC. **Constraints**: N/A **Value range**: 0–26 characters, starting with ALM. **Default value**: N/A

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Table 4-504 Query Parameters

Parameter	Mandatory	Type	Description
offset	Yes	Integer	**Definition**: Offset pointers queried by page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
limit	Yes	Integer	**Definition**: Number of queried results, by page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-505 Response body parameters

Parameter	Type	Description
count	Long	**Definition**: Number of service tickets executed for the historical alarms. An alarm ticket can be executed multiple times. Each execution record is bound to the alarm ticket for users to query. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
alarm_handle_histories	Array of **AlarmHandleHistory** objects	**Definition**: Execution details of the service tickets of the historical alarms. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Table 4-506 AlarmHandleHistory

Parameter	Type	Description
work_order_id	String	**Definition**: ID of the task execution service ticket. You can switch to the service ticket tab page to query the service ticket information of the corresponding task type on the Task Management > Execution Records page of COC. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
create_name	String	**Definition**: Name of the service ticket creator. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
create_alias	String	**Definition**: Alias of the service ticket creator. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
task_type	String	**Definition**: Service ticket task type. **Constraints**: N/A **Value range**: ● SCRIPT: script ● RUNBOOK: job **Default value**: N/A
start_time	Long	**Definition**: Start time of service ticket execution. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Type	Description
end_time	Long	**Definition**: End time of service ticket execution. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
duration	Long	**Definition**: Time required for executing a service ticket. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
status	String	**Definition**: Service ticket status. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Example Requests

Query the historical alarm whose ID is ALM2025071216523205dS85AL9.

```
GET https://{Endpoint}/v1/alarm-mgmt/alarm/ALM2025071216523205dS85AL9/handle-histories?
offset=0&limit=10

{ }
```

Example Responses

Status code: 200

Response is returned correctly.

```
{
  "alarm_handle_histories" : {
    "associated_task_id" : "SC20250422142607018c62b2d",
```

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```
    "associated_task_name" : "Platform dialing test automation",
    "create_name" : "COC_TEST",
    "duration" : 448,
    "end_time" : 1752484954398,
    "start_time" : 1752484949914,
    "status" : "FINISHED",
    "task_type" : "SCRIPT",
    "work_order_id" : "SCT20250714172229018ca2ef9"
  },
  "count" : 1
}
```


Status Codes

Status Code	Description
200	Response is returned correctly.

Error Codes

See **Error Codes**.

4.6.4 WarRoom

This API is used to create WarRooms and query WarRoom information.

4.6.4.1 Creating a War Room in the Tenant Zone

Function

This API is used to create a war room in the tenant zone.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:warroom:create	Write	-	-	-	-

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URI

POST /v1/external/warrooms

Request Parameters

Table 4-507 Request body parameters

Parameter	Mandatory	Type	Description
war_room_name	Yes	String	War room title Minimum: **1** Maximum: **255**
description	No	String	War room description Minimum: **0** Maximum: **255**
region_code_list	No	Array of strings	Region ID Minimum: **1** Maximum: **255** Array Length: **0 - 1000**
application_id_list	Yes	Array of strings	ID of the affected application Minimum: **1** Maximum: **255** Array Length: **1 - 1000**
incident_number	Yes	String	Incident ticket number Minimum: **1** Maximum: **255**
schedule_group	Yes	Array of **ScheduleGroupInfo** objects	Shift group Array Length: **0 - 1000**
participant	No	Array of strings	Participant Minimum: **0** Maximum: **255** Array Length: **0 - 1000**
war_room_admin	Yes	String	War room administrator Minimum: **1** Maximum: **255**

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Parameter	Mandatory	Type	Description
application_names	No	Array of strings	Application name list Minimum: **0** Maximum: **1000** Array Length: **0 - 1000**
region_names	No	Array of strings	Region names Minimum: **0** Maximum: **1000** Array Length: **0 - 1000**
enterprise_project_id	Yes	String	Enterprise project ID Minimum: **1** Maximum: **64**
notification_type	No	String	Group creation mode Minimum: **0** Maximum: **64**
notification_modes	No	Array of strings	Notification mode. Multiple notification modes are supported. Array Length: **0 - 5**

Table 4-508 ScheduleGroupInfo

Parameter	Mandatory	Type	Description
role_id	Yes	String	Role ID Minimum: **0** Maximum: **255**
scene_id	Yes	String	Scenario ID Minimum: **0** Maximum: **255**

Response Parameters

Status code: 200

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Table 4-509 Response body parameters

Parameter	Type	Description
provider_code	String	Service ID Default: **4** Minimum: **3** Maximum: **3**
error_code	String	Request response code. The value ranges from 0000 to 9999. The value is 0 in normal cases. Minimum: **1** Maximum: **20**
error_msg	String	Request response description Minimum: **0** Maximum: **10240**
data	String	warroom Id Minimum: **0** Maximum: **255**

Example Requests

```
{
  "war_room_name" : "Test 001",
  "description" : "Description 001",
  "region_code_list" : "[\"cn-east-3\"]",
  "application_id_list" : "[\"CS10004308\"]",
  "incident_number" : 360243622,
  "incident_level" : "string",
  "schedule_group" : {
    "role_id" : "string",
    "scene_id" : "string"
  },
  "participant" : [ "string" ],
  "war_room_admin" : "string"
}
```

Example Responses

None

Status Codes

Status Code	Description
200	Success response is returned.

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Error Codes

See **Error Codes**.

4.6.4.2 Querying War Room Information

Function

This API is used to query the war room information list.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:warroom:list	List	-	-	-	-

URI

POST /v1/external/warrooms/list

Request Parameters

Table 4-510 Request body parameters

Parameter	Mandatory	Type	Description
limit	No	Long	limit Minimum: **0** Maximum: **1000** Default: **0**

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Parameter	Mandatory	Type	Description
offset	No	Long	Number of queried items Minimum value: 0. Maximum value: 1000 Minimum: **0** Maximum: **9223372036854775807** Default: **10**
current_users	No	Array of strings	User ID Minimum: **0** Maximum: **200** Array Length: **0 - 1000**
war_room_nums	No	Array of strings	War room ticket number. If this filtering condition is available, ignore other filtering conditions. Minimum: **0** Maximum: **255** Array Length: **0 - 1000**
incident_num	No	String	Incident ticket number (queried by exact query) Minimum: **0** Maximum: **64**
title	No	String	Fuzzy query of war room names Minimum: **0** Maximum: **1000**
region_code_list	No	Array of strings	Regions. Multiple values can be selected. Minimum: **0** Maximum: **200** Array Length: **0 - 1000**
incident_levels	No	Array of strings	Incident level. Multiple values can be selected. Minimum: **0** Maximum: **32** Array Length: **0 - 1000**

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Parameter	Mandatory	Type	Description
impacted_application_ids	No	Array of strings	ID of the affected application Minimum: **0** Maximum: **200** Array Length: **0 - 1000**
admin	No	Array of strings	War room administrator Minimum: **0** Maximum: **200** Array Length: **0 - 1000**
status	No	Array of strings	War room status Minimum: **0** Maximum: **10** Array Length: **0 - 100**
triggered_start_time	No	Long	Trigger start time. The default value is 30 days before the start time. Minimum: **0** Maximum: **9223372036854775807**
triggered_end_time	No	Long	Trigger end time. By default, the current time is the used. Minimum: **0** Maximum: **9223372036854775807**
occur_start_time	No	Long	Occurrence start time Minimum: **0** Maximum: **9223372036854775807**
occur_end_time	No	Long	Occurrence end time Minimum: **0** Maximum: **9223372036854775807**
recover_start_time	No	Long	Recovery start time Minimum: **0** Maximum: **9223372036854775807**

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Parameter	Mandatory	Type	Description
recover_end_time	No	Long	Recovery end time Minimum: **0** Maximum: **9223372036854775807**
notification_level	No	Array of strings	Notification level Minimum: **0** Maximum: **32** Array Length: **0 - 1000**
enterprise_project_ids	No	Array of strings	Enterprise project ID Minimum: **0** Maximum: **64** Array Length: **0 - 500**
war_room_num	No	String	Front-end use of the war room ticket number Minimum: **0** Maximum: **255**
statistic_flag	No	Boolean	Whether to collect statistics. If the value is false, basic information is returned. If the value is true, only the statistics result, including total_num, running_num, and closed_num, is returned. Default: **false**

Response Parameters

Status code: 200

Table 4-511 Response body parameters

Parameter	Type	Description
provider_code	String	Service ID Default: **4** Minimum: **3** Maximum: **3**

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Parameter	Type	Description
error_code	String	Request response code. The value ranges from 0000 to 9999. The value is 0 in normal cases. Minimum: **1** Maximum: **20**
error_msg	String	Request response description Minimum: **0** Maximum: **10240**
data	**data** object	Response data.

Table 4-512 data

Parameter	Type	Description
list	Array of **WarRoomTenantInfo** objects	War room information Array Length: **0 - 1000**
total	Long	Total number Minimum: **0** Maximum: **9223372036854775807**
running_num	Long	Total number of ongoing war rooms Minimum: **0** Maximum: **9223372036854775807**
closed_num	Long	Total number of closed war rooms Minimum: **0** Maximum: **9223372036854775807**
total_num	Long	Total number of war rooms Minimum: **0** Maximum: **9223372036854775807**

Table 4-513 WarRoomTenantInfo

Parameter	Type	Description
id	String	Primary key Minimum: **0** Maximum: **100**

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Parameter	Type	Description
title	String	Title Minimum: **0** Maximum: **255**
admin	String	War room administrator Minimum: **0** Maximum: **255**
recover_member	Array of strings	Members of recovery Minimum: **0** Maximum: **255** Array Length: **0 - 1000**
recover_leader	Array of strings	Primary recovery owner Minimum: **0** Maximum: **255** Array Length: **0 - 1000**
incident	**WarRoomIncident** object	Incident
source	String	Incident source Minimum: **0** Maximum: **255**
regions	Array of **regions** objects	Affected region Array Length: **0 - 1000**
change_num	String	Change ticket number Minimum: **0** Maximum: **255**
occur_time	Long	Start time Minimum: **0** Maximum: **9223372036854775807**
recover_time	Long	Fault rectification time Minimum: **0** Maximum: **9223372036854775807**
fault_cause	String	Fault cause Minimum: **0** Maximum: **255**

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Parameter	Type	Description
create_time	Long	Addition time Minimum: **0** Maximum: **9223372036854775807**
first_report_time	Long	First notification time Minimum: **0** Maximum: **9223372036854775807**
recovery_notification_time	Long	Recovery notification time Minimum: **0** Maximum: **9223372036854775807**
fault_impact	String	Fault impact Minimum: **0** Maximum: **255**
description	String	War room description Minimum: **0** Maximum: **255**
circular_level	String	The notification level is the same as the incident level in the tenant zone Minimum: **0** Maximum: **32**
war_room_status	**WarRoomEnumeration** object	War room status
impacted_application	Array of **impacted_application** objects	Affected application Array Length: **0 - 1000**
processing_duration	Long	Handling duration (minutes) Minimum: **0** Maximum: **9223372036854775807**
restoration_duration	Long	Recovery duration (minute) Minimum: **0** Maximum: **9223372036854775807**
war_room_num	String	War room ticket number Minimum: **0** Maximum: **255**
enterprise_project_id	String	Enterprise project ID Minimum: **0** Maximum: **64**

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Table 4-514 WarRoomIncident

Parameter	Type	Description
id	String	Primary key Minimum: **0** Maximum: **100**
incident_id	String	Incident ID Minimum: **0** Maximum: **32**
alarm_id	String	Alarm ID Minimum: **0** Maximum: **64**
is_change_event	Boolean	Whether to change the incident
source_id	Long	Source ID Minimum: **0** Maximum: **9223372036854775807**
failure_level	String	Incident level Minimum: **0** Maximum: **32**
incident_url	String	Incident ticket ID URL Minimum: **0** Maximum: **20000**

Table 4-515 regions

Parameter	Type	Description
code	String	Primary key Minimum: **0** Maximum: **100**
name	String	Name Minimum: **0** Maximum: **255**

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Table 4-516 WarRoomEnumeration

Parameter	Type	Description
id	String	Enumerated value ID Minimum: **0** Maximum: **255**
name_zh	String	Enumerated value name (Chinese) Minimum: **0** Maximum: **255**
name_en	String	Enumerated value name (English) Minimum: **0** Maximum: **255**
type	String	Enumerated type Minimum: **0** Maximum: **255**

Table 4-517 impacted_application

Parameter	Type	Description
id	String	Primary key Minimum: **0** Maximum: **100**
name	String	Name Minimum: **0** Maximum: **255**

Status code: 400

Table 4-518 Response body parameters

Parameter	Type	Description
provider_code	String	Service ID Default: **4** Minimum: **3** Maximum: **3**

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Parameter	Type	Description
error_code	String	Request response code. The value ranges from 0000 to 9999. The value is 0 in normal cases. Minimum: **1** Maximum: **20**
error_msg	String	Request response description Minimum: **0** Maximum: **10240**
data	Object	Response data

Example Requests

```
/v1/warroom/list

{
  "marker" : 10,
  "page_size" : 1,
  "incident_num" : "string",
  "title" : "string",
  "change_num" : "string",
  "region_ids" : [ 0 ],
  "level_names" : [ "string" ],
  "impacted_services_ids" : [ 0 ],
  "root_cause_service_ids" : [ 0 ],
  "site_ids" : [ 0 ],
  "admin" : [ 0 ],
  "status" : [ 0 ],
  "triggered_start_time" : 0,
  "triggered_end_time" : 0,
  "occur_start_time" : 0,
  "occur_end_time" : 0,
  "recover_start_time" : 0,
  "recover_end_time" : 0,
  "effectiveness" : [ "string" ],
  "recover_leader_id" : [ 0 ],
  "pre_warning_briefing_p2" : true,
  "is_verify" : true
}
```

Example Responses

None

Status Codes

Status Code	Description
200	Response indicating a successful query is returned.
400	Request failed.

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Error Codes

See **Error Codes**.

4.6.5 Integration Management

4.6.5.1 Allowing Users to Access Alarm Data

Function

This API is used for tenants to integrate their self-developed monitoring systems into COC based on standards. After the integration, alarms are reported to the COC alarm center in the standard format.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, no identity policy-based permission required for calling this API.

URI

POST /v1/event/huawei/custom/{integration_key}

Table 4-519 Path Parameters

Parameter	Mandatory	Type	Description
integration_key	Yes	String	Integration ID.

Request Parameters

Table 4-520 Request body parameters

Parameter	Mandatory	Type	Description
alarmId	Yes	String	Alarm ID.
alarmName	Yes	String	Alarm name.

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Parameter	Mandatory	Type	Description
alarmLevel	Yes	String	Alarm severity. The value can be: • Critical • Major • Minor • Info (suggestion)
time	Yes	Long	Alarm occurrence time.
nameSpace	Yes	String	Service namespace.
regionId	No	String	ID of the region where the alarm is generated.
applicationId	Yes	String	Application ID.
resourceName	No	String	Resource name.
resourceId	No	String	Resource ID.
alarmDesc	Yes	String	Alarm description.
URL	No	String	Raw alarm URL.
alarmStatus	No	String	Alarm status. The value can be: • alarm (alarming) • ok (cleared)
alarmSource	Yes	String	Alarm source.
additional	No	Object	Additional information about an alarm.

Response Parameters

Status code: 200

Table 4-521 Response body parameters

Parameter	Type	Description
provider_code	String	Service ID.
error_code	String	Request response code. The value ranges from 0000 to 9999. The value is 0 in normal cases.
error_msg	String	Response description for a request.

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Status code: 400

Table 4-522 Response body parameters

Parameter	Type	Description
provider_code	String	Service ID.
error_code	String	Request response code. The value ranges from 0000 to 9999. The value is 0 in normal cases.
error_msg	String	Response description for a request.

Status code: 401

Table 4-523 Response body parameters

Parameter	Type	Description
provider_code	String	Service ID.
error_code	String	Request response code. The value ranges from 0000 to 9999. The value is 0 in normal cases.
error_msg	String	Response description for a request.

Example Requests

Example of the request body for accessing a custom message

```
https://{Endpoint}/v1/event/huawei/custom/{integration_key}

{
  "alarmId" : "18cfxxxxxxxxx0f8",
  "alarmName" : "Alarm for CPU usage exceeding the threshold",
  "alarmLevel" : "Critical",
  "time" : 1709118444540,
  "nameSpace" : "shanghai",
  "regionId" : "***",
  "applicationId" : "18cfa0a5ef8d",
  "resourceName" : "machine-1",
  "resourceId" : "18cxxxxxxxxxxxff68625",
  "alarmDesc" : "string",
  "URL" : "https://xxx.com",
  "alarmStatus" : "alarm",
  "alarmSource" : "coc",
  "additional" : { }
}
```

Example Responses

Status code: 200

Request result is returned.

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```
{
  "error_code" : "COC.00000000",
  "error_msg" : "success",
  "data" : null,
  "provider_code" : "049"
}
```

Status code: 400

Incorrect request body is returned.

```
{
  "error_code" : "COC.00000001",
  "error_msg" : "alarmName must not be null | alarmId must not be null",
  "data" : null,
  "provider_code" : "049"
}
```

Status code: 401

Incorrect authentication is returned.

```
{
  "error_code" : "common.01010001",
  "error_msg" : "Token missing or invalid.",
  "data" : null,
  "provider_code" : "049"
}
```

Status Codes

Status Code	Description
200	Request result is returned.
400	Incorrect request body is returned.
401	Incorrect authentication is returned.

Error Codes

See **Error Codes**.

4.7 Change Management

4.7.1 Updating a Change Ticket

Function

This API is used to update change ticket information.

Authorization

Each account has all of the permissions required to call all APIs, but IAM users must have the required permissions specifically assigned.

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- If you are using role- or policy-based authorization, refer to **Permissions Policies and Supported Actions** to obtain the permissions required.
- If you are using identity policy-based authorization, the permission listed below is required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependent Action
coc:ticket:update	Write	-	-	-	-

URI

PUT /v2/changes/{change_id}

Table 4-524 Request path parameters

Parameter	Type	Mandatory	Description
change_id	String	Yes	**Definition:** Change ticket No. **Constraints** String **Range:** Character length: 1 to 50 **Default Value**: N/A

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Request Parameters

Table 4-525 Request body parameters

Parameter	Type	Mandatory	Description
ticket_info	**TicketInfoObject** object	No	**Definition:** Main ticket information about the change. **Constraints** N/A **Range:** N/A **Default Value**: N/A
sub_tickets	Arrays of **SubTicketInfoObject**	No	**Definition:** Sub-ticket information about the change. **Constraints** N/A **Range:** N/A **Default Value**: N/A
history_info	**TicketHistoryInfoObject** object	No	**Definition:** Change history. **Constraints** N/A **Range:** N/A **Default Value**: N/A

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Table 4-526 TicketInfoObject attributes

Parameter	Type	Mandatory	Description
phase	String	No	**Definition:** Type of the service ticket operation. **Constraints** Character length: 0 to 255 **Range:** Enum value • **phase_change_end**: completed • **phase_change_cancel**: canceled • **phase_change_draft**: draft • **phase_change_implement**: change implementation and verification • **phase_change_apply**: applicant confirmation • **phase_change_approve**: under review • **phase_change_close**: closed **Default Value**: N/A
work_flow_status	String	No	**Definition:** Ticket status. **Constraints** Character length: 0 to 255 **Range:** N/A **Default Value**: N/A

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Table 4-527 SubTicketInfoObject attributes

Parameter	Type	Mandatory	Description
ticket_id	String	No	**Definition:** Sub-ticket ID. **Constraints** Character length: 0 to 100 **Range:** N/A **Default Value**: N/A
change_result	String	No	**Definition:** Change result. **Constraints** Character length: 1 to 100 **Range:** N/A **Default Value**: N/A
is_verified_in_change_time	Boolean	No	**Definition:** Whether verification can be performed within the time window. **Constraints** N/A **Range:** true/false **Default Value**: N/A
verified_docs	String	No	**Definition:** Verification document ID. **Constraints** Length: 0 to 1,000 characters **Range:** N/A **Default Value**: N/A

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Parameter	Type	Mandatory	Description
comment	String	No	**Definition:** Description of the change failure cause. **Constraints** Character length: 0 to 100 **Range:** N/A **Default Value**: N/A
change_fail_type	String	No	**Definition:** Change failure type. **Constraints** Character length: 1 to 100 **Range:** N/A **Default Value**: N/A
rollback_start_time	Long	No	**Definition:** Rollback start time. **Constraints** N/A **Range:** 1-9999999999999 **Default Value**: N/A
rollback_end_time	Long	No	**Definition:** Rollback end time. **Constraints** N/A **Range:** 1-9999999999999 **Default Value**: N/A

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Parameter	Type	Mandatory	Description
is_rollback_success	Boolean	No	**Definition:** Whether the rollback is successful. **Constraints** N/A **Range:** true/false **Default Value**: N/A
is_monitor_found	Boolean	No	**Definition:** Whether the change is detected by the monitor. **Constraints** N/A **Range:** true/false **Default Value**: N/A

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Table 4-528 TicketHistoryInfoObject attributes:

Parameter	Type	Mandatory	Description
action	String	No	**Definition:** Operation type. **Constraints** Character length: 1 to 1,000 characters **Range:** • **change_start_change_success**: The change starts. • **change_end_change_success**: The change ends. • **change_set_change_result_success**: Add the change result. • **change_complete_success**: The ticket is closed. **Default Value**: N/A

Response Parameters

Status code: 200

Table 4-529 Response body parameters

Parameter	Type	Mandatory	Description
provider_code	String	No	**Definition:** Service ID. **Range:** Character length: 0 to 256 **Default Value**: **049**

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Parameter	Type	Mandatory	Description
error_code	String	No	**Definition:** Request response code. The value ranges from **0000** to **9999**. The value is **0** in normal cases. **Range:** Character length: 0 to 256 **Default Value**: **0**
error_msg	String	No	**Definition:** Response description for a request. **Range:** Character length: 0 to 256 **Default Value**: N/A

Request Examples

- The change is complete.

```
PUT https://{Endpoint}/v2/changes/{change_id}

{
   "history_info": {
      "action": "change_end_change_success"
   },
   "sub_tickets": [
      {
         "ticket_id": " 92f0c22f-4ca4-4cbe-89cf-281aed331f50"
      }
   ]
}
```

- Add change result after the change plan is executed.

```
PUT https://{Endpoint}/v2/changes/{change_id}

{
   "sub_tickets": [
      {
         "ticket_id": "{{sub_ticket_id}}",
         "sub_tickets": [

         ],
         "change_result": "change_result_failed",
         "verified_docs1": "e67a0d67-310e-4abd-9b35-43eacf681358",
         "verified_docs": null,
         "comment": "111",
         "change_fail_type": "fr_dependent_service_issue",
         "rollback_start_time": 1742888808000,
         "rollback_end_time": 1742975208000,
         "is_rollback_success": false,
         "is_monitor_found": true
      }
   ],
```

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```
    "history_info": {
        "action": "change_set_change_result_success"
    }
}
```

- Close the change after all change plans are executed.

```
PUT https://{Endpoint}/v2/changes/{change_id}

{
    "history_info": {
        "action": "change_complete_success"
    },
    "ticket_info": {
        "phase": "phase_change_end",
        "work_flow_status": "COMPLETE"
    }
}
```

Response Examples

Status code: 200

Request result is returned.

For more status codes, see **Status Codes**.

```
{
    "provider_code": "049",
    "error_code": "GOM.00000000",
    "error_msg": null
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Parameter error",
  "provider_code" : "049",
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request result is returned. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

For details, see **Error Codes**.

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4.7.2 Creating a Service Ticket

Function

This API is used to create a change ticket or issue ticket. The type of the service ticket to be created is determined by the path parameter **ticket_type**. If the value of *ticket_type* is *change*, a change ticket is created. If the value of *ticket_type* is *issues_mgmt*, an issue ticket is created.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:create	Write	-	-	-	-

URI

POST /v1/{ticket_type}/tickets

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Table 4-530 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be created. The value is **change** for a change ticket and **issues_mgmt** for an issue ticket. **Constraints**: N/A **Value range**: The value can be: • **change** • **issues_mgmt** **Default value**: N/A

Request Parameters

Table 4-531 Request body parameters

Parameter	Mandatory	Type	Description
title	No	String	**Definition**: Service ticket title. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
change_notes	No	String	**Definition**: Change ticket description. **Constraints**: This parameter is mandatory when ticket_type is set to change to create a change ticket. **Value range**: N/A **Default value**: N/A
description	No	String	**Definition**: Issue ticket description. **Constraints**: This parameter is mandatory when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A
enterprise_project	No	String	**Definition**: Enterprise project ID. If the enterprise project is default, the value of this parameter is 0. You can obtain the enterprise project list through EPS. **Constraints**: This parameter is mandatory when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: 0

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Parameter	Mandatory	Type	Description
change_type	No	String	**Definition**: Change type. The options are change_type_conventional and change_type_urgentu. **Constraints**: This parameter is mandatory when ticket_type is set to change to create a change ticket. **Value range**: Enumerated value • change_type_conventional • change_type_urgentu **Default value**: N/A
level	No	String	**Definition**: Ticket level. **Constraints**: N/A **Value range**: Enumerated values when ticket_type is set to change to create a change ticket change_level_010: level-A change change_level_020: level-B change change_level_030: level-C change change_level_040: level-D change Enumerated values when ticket_type is set to issues_mgmt to create an issue ticket issues_level_1000: critical issues_level_2000: major issues_level_3000: minor issues_level_4000: warning **Default value**: N/A

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Parameter	Mandatory	Type	Description
ticket_type	No	String	**Definition**: Type of the issue ticket. You can query all types of problems that can be transferred on the COC > Basic Configuration > Process Management > Issue Process > Issue Type page. The issue type ID is set for this scenario. **Constraints**: This parameter is mandatory when **ticket_type** is set to **issues_mgmt** to create an issue ticket. **Value range**: N/A **Default value**: N/A
change_scheme	No	String	**Definition**: Task type. The options are job and change guide. **Constraints**: ● This parameter is mandatory when ticket_type is set to change. ● If the value is change_scheme_guides, the change_guides parameter is mandatory. ● If the value is change_scheme_runbook, the plan_task_sub_type, plan_task_id, plan_task_name, and plan_task_params parameters are mandatory. **Value range**: Enumerated value change_scheme_runbook: job change_scheme_guides: change guide **Default value**: N/A

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Parameter	Mandatory	Type	Description
change_guides	No	String	**Definition**: Change guide ID. **Constraints**: This parameter is mandatory when ticket_type is set to change to create a change ticket and the change guide is selected for the task. **Value range**: N/A **Default value**: N/A
commit_upload_attachment	No	String	**Definition**: Issue ticket attachment ID. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A
regions	No	String	**Definition**: Region to which the issue ticket belongs. Enter region IDs and separate them with commas (,). **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
change_scene_id	No	String	**Definition**: Change scenario. **Constraints**: This parameter is mandatory when ticket_type is set to change to create a change ticket. **Value range**: The value can be obtained from the Attribute ID column of the list on the Process Management > Change Scenario page. Example: GOCMLL06 **Default value**: N/A
current_cloud_service_id	No	String	**Definition**: Change service ID, which can be obtained through the application query interface. **Constraints**: This parameter is mandatory when ticket_type is set to change to create a change ticket. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
root_cause_cloud_service	No	String	**Definition**: ID of the root cause service of the issue ticket. You can obtain the value by calling the application query API. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A
source	No	String	**Definition**: Source of the issue ticket. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: If ticket_type is set to issues_mgmt, the following enumerated values are supported: issues_mgmt_associated_type_1000: event issues_mgmt_associated_type_4000: proactive O&M discovery issues_mgmt_associated_type_2000: alarm issues_mgmt_associated_type_3000: war room **Default value**: N/A

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Parameter	Mandatory	Type	Description
source_id	No	String	**Definition**: Ticket number of the source of the issue ticket. **Constraints**: • This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. • This parameter is mandatory when the value of source is issues_mgmt_associated_type_1000, issues_mgmt_associated_type_2000, or issues_mgmt_associated_type_3000. Enter the ID of the associated ticket. **Value range**: N/A **Default value**: N/A
fount_time	No	Long	**Definition**: Discovery time, which is a timestamp. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
virtual_schedule_type	No	String	**Definition**: Type of the issue ticket handler. **Constraints**: This parameter is mandatory when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: Enumerated value • issues_mgmt_virtual_schedule_type_1000: shift • issues_mgmt_virtual_schedule_type_2000: individual **Default value**: N/A
issue_contact_person	No	String	**Definition**: ID of the owner of a issue ticket. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. If the owner of a issue ticket needs to be specified, this parameter is mandatory. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
schedule_scenes	No	String	**Definition**: Owner of the issue ticket, which is obtained from the shift. The value is the shift scenario ID. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A
virtual_schedule_role	No	String	**Definition**: The owner of the issue ticket is obtained from the shift. The value is the shift role ID. **Constraints**: This parameter is optional when ticket_type is set to issues_mgmt to create an issue ticket. **Value range**: N/A **Default value**: N/A
location_id	No	String	**Definition**: Change region ID. **Constraints**: This parameter is mandatory when ticket_type is set to change to create a change ticket. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
plan_task_sub_type	No	String	**Definition**: Contingency plan subtype. **Constraints**: • This parameter is mandatory when ticket_type is set to change to create a change ticket. • This parameter is mandatory when change_scheme is set to change_scheme_runbook. **Value range**: Enumerated value CUSTOMIZATION: custom job COMMUNAL: public job **Default value**: N/A
plan_task_id	No	String	**Definition**: ID of the job to be executed. **Constraints**: • This parameter is mandatory when ticket_type is set to change to create a change ticket. • This parameter is mandatory when change_scheme is set to change_scheme_runbook. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
plan_task_name	No	String	**Definition**: Name of the job to be executed. **Constraints**: • This parameter is mandatory when ticket_type is set to change to create a change ticket. • This parameter is mandatory when change_scheme is set to change_scheme_runbook. **Value range**: N/A **Default value**: N/A
plan_task_params	No	String	**Definition**: Parameter information required for executing a job. **Constraints**: • This parameter is mandatory when ticket_type is set to change to create a change ticket. • This parameter is mandatory when change_scheme is set to change_scheme_runbook. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
is_start_process	No	Boolean	**Definition**: Whether to start the process. • If the value is false, the created ticket is in the draft state. • The preset value is true. The created ticket is in the unhandled state. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
sub_tickets	No	Array of **TicketCreateSubTicketInfo** objects	**Definition**: Information about the change sub-ticket, including the service and region involved in the change ticket. **Constraints**: • This parameter is mandatory and valid when ticket_type is set to change to create a change ticket. • This parameter can be left blank when ticket_type is not change. **Value range**: N/A **Default value**: N/A

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Table 4-532 TicketCreateSubTicketInfo

Parameter	Mandatory	Type	Description
app_name	No	String	**Definition**: Change service. **Constraints**: When target_type is set to change_scope, the Chinese name of the change service must be set. **Value range**: N/A **Default value**: N/A
region	No	String	**Definition**: Change region. **Constraints**: When target_type is set to change_scope, this parameter must be set to the corresponding change region ID. **Value range**: N/A **Default value**: N/A
target_type	No	String	**Definition**: Target option information. Different information can be transferred. • When the change application is set, this parameter is set to change_scope. • When the change plan is set, this parameter is set to child_ticket. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
target_value	No	String	**Definition**: Region ID of the change ticket. This parameter must be used together with target_type. **Constraints**: This parameter is valid only when target_type is set to child_ticket. **Value range**: N/A **Default value**: N/A
expected_start_time	No	Long	**Definition**: Timestamp of the planned start time of a change ticket. **Constraints**: This parameter is valid only when target_type is set to child_ticket. **Value range**: N/A **Default value**: N/A
expected_end_time	No	Long	**Definition**: Timestamp of the planned end time of a change ticket. **Constraints**: This parameter is valid only when target_type is set to child_ticket. **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
executors	No	String	**Definition**: Change ticket implementer. **Constraints**: This parameter is valid only when target_type is set to child_ticket. **Value range**: N/A **Default value**: N/A
cooperators	No	String	**Definition**: Change ticket collaborator. **Constraints**: This parameter is valid only when target_type is set to child_ticket. **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

Table 4-533 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**data** object	Response body

Table 4-534 data

Parameter	Type	Description
is_start_process_async	Boolean	**Definition**: Whether to start the process asynchronously. The value is fixed to true, indicating that the background ticket creation process is an asynchronous process. **Value range**: true **Default value**: true
is_update_null	Boolean	**Definition**: Whether to resubmit the empty field **Value range**: false **Default value**: false
is_return_full_info	Boolean	**Definition**: Whether to return all fields. **Value range**: false **Default value**: false

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Parameter	Type	Description
is_start_process	Boolean	**Definition**: Whether to start the process. If this parameter is set to **false**, the created ticket is in the draft state. The preset value is **true**. The created ticket is in the unhandled state. **Value range**: **true** or **false** **Default value**: **true**
ticket_id	String	**Definition**: ID of the newly created ticket. **Value range**: N/A **Default value**: N/A
id	String	**Definition**: Unique ID of the newly created ticket. **Value range**: N/A **Default value**: N/A

Status code: 400

Table 4-535 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

- Create a change ticket.

```
POST https://{Endpoint}/v1/change/tickets

{
 "title" : "Change ticket creation",
 "change_notes" : "Change ticket description. This is a test change ticket.",
 "change_type" : "change_type_conventional",
 "level" : "change_level_030",
 "change_scheme" : "change_scheme_guides",
 "change_guides" : "ad2997a2-ad31-4aed-a07b-eb22b132520a",
 "change_scene_id" : "GOCMLL01001",
 "current_cloud_service_id" : "6470681a31da2a47ed50a919",
 "location_id" : "xxx",
 "approve_type" : "or_sign",
 "is_start_process" : true,
 "sub_tickets" : [ {
   "target_type" : "change_scope",
   "app_name" : "COC application",
   "region" : "xxx",
   "resource_biz_id" : "6470681a31da2a47ed50a919"
 }, {
   "target_type" : "change_scope",
   "app_name" : "COC application",
   "region" : "xxx",
   "resource_biz_id" : "6470681a31da2a47ed50a919"
 }, {
   "target_type" : "child_ticket",
   "target_value" : "xxx",
   "expected_start_time" : 1750755723000,
   "expected_end_time" : 1750842123000,
   "executors" : "005b950b4863447cb97cd77a89559c79",
   "cooperators" : "0064670859f74dc89398d676d95e3577"
 }, {
   "target_type" : "child_ticket",
   "target_value" : "xxx",
   "expected_start_time" : 1750755733000,
   "expected_end_time" : 1750842134000,
   "executors" : "005b950b4863447cb97cd77a89559c79",
   "cooperators" : "0064670859f74dc89398d676d95e3577"
 } ],
 "plan_task_type" : "scheme_type_plan_task",
 "plan_task_sub_type" : "",
 "plan_task_id" : "",
```

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```
  "plan_task_name" : "",
  "plan_task_params" : ""
}
```

- Create an issue ticket.

```
POST https://{Endpoint}/v1/issues_mgmt/tickets

{
  "title" : "sdk_test_create",
  "description" : "[Symptom] An issue ticket is created using the SDK.\n[Impact on the live network]",
  "commit_upload_attachment" : "",
  "regions" : "",
  "enterprise_project" : "0",
  "level" : "issues_level_4000",
  "ticket_type" : "issues_type_1000",
  "root_cause_cloud_service" : "6470681a31da2a47ed50a919",
  "source" : null,
  "source_id" : "",
  "fount_time" : 0,
  "virtual_schedule_type" : "issues_mgmt_virtual_schedule_type_2000",
  "issue_contact_person" : "51875a8200fd45189f94745678545bc3",
  "schedule_scenes" : "",
  "virtual_schedule_role" : ""
}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "is_start_process_async" : true,
    "is_update_null" : false,
    "is_return_full_info" : false,
    "is_start_process" : true,
    "ticket_id" : "CM20250624115256017468089O",
    "id" : "f9990e23-188f-4979-b5e8-57d265cfc90d"
  }
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

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Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.7.3 Uploading Attachments

Function

This API is used to upload attachments. If attachments need to be uploaded during service ticket (incident ticket, change ticket, or issue ticket) creation, you need to call this API to upload the files to OBS first. When the upload is successful, the unique ID of the document is returned. Only JPG, PNG, DOCX, TXT, and PDF files are supported, and the file size cannot exceed 10 MB.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:uploadFile	Write	-	-	-	-

URI

POST /v1/{ticket_type}/attachments

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Table 4-536 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: In the service ticket creation scenario, the **ticket_type** field must be set to **incident** as the service ticket type. Note: Although the preset value of this field points to the incident type, this interface is still used to submit attachments when a change ticket or issue ticket is created and an attachment needs to be uploaded. **Constraints**: N/A **Value range**: Fixed value: **incident** **Default value**: N/A

Request Parameters

Table 4-537 FormData parameters

Parameter	Mandatory	Type	Description
file	Yes	File	**Definition**: File to be uploaded, which is uploaded in the form format. **Constraints**: The content is binary text. Only JPG, PNG, DOCX, TXT, and PDF files are supported, and the file size cannot exceed 10 MB. **Value range**: N/A **Default value**: N/A

Response Parameters

Status code: 200

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Table 4-538 Response body parameters

Parameter	Type	Description
code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
provider_code	String	**Definition**: Service code. **Value range**: N/A **Default value**: 049
msg	String	**Definition**: Response description for a request. • If the code is 0, this parameter is left blank. • If the code is not 0, the value of this parameter is the error description. **Value range**: N/A **Default value**: N/A
data	**ExternalAttachment** object	Information about the attachment that is successfully uploaded.
name	String	**Definition**: Attachment file name. **Value range**: N/A **Default value**: N/A
id	String	**Definition**: Unique ID of an attachment. **Value range**: N/A **Default value**: N/A

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Table 4-539 ExternalAttachment

Parameter	Type	Description
doc_id	String	**Definition**: Unique ID of an attachment. **Value range**: N/A **Default value**: N/A
doc_name	String	**Definition**: Attachment file name. **Value range**: N/A **Default value**: N/A

Status code: 400

Table 4-540 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

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Example Requests

Request example for uploading an attachment.

```
POST https://{Endpoint}/v1/incident/attachments

form-data form:
key: file
value: binary file
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "name" : "uploadFile.doc",
  "id" : "78f86d47-55d6-4e98-ba51-b293ac95bc8a",
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "doc_id" : "78f86d47-55d6-4e98-ba51-b293ac95bc8a",
    "doc_name" : "uploadFile.doc"
  }
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

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4.7.4 Downloading Attachments

Function

The attachment download operation is based on the uploaded attachment resources. When uploading an attachment, you need to call the **/v1/{ticket_type}/attachments** API. After the upload is successful, you can obtain the **doc_id** parameter from the API response. When downloading an attachment, you can call the **/v1/{ticket_type}/attachments** API again based on the **doc_id** parameter to obtain the uploaded attachment resource, implementing full lifecycle management of the attachment.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:downloadFile	Read	-	-	-	-

URI

GET /v1/{ticket_type}/attachments/{doc_id}

Table 4-541 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Service ticket type. The value is fixed to **incident**. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Parameter	Mandatory	Type	Description
doc_id	Yes	String	**Definition**: Unique ID of the file to be downloaded. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

The request is successful. The value of **Content-Type** in the response header is **application/octet-stream**, indicating that the interface returns a file stream.

For more status codes, see **Status Codes**.

Status code: 400

Table 4-542 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000

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Parameter	Type	Description
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Request example for downloading an attachment.

```
GET https://{Endpoint}/v1/incident/attachments/c70d6b38-3783-4d62-9c4a-c6924925e848
```

Example Responses

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00007256",
  "error_msg" : "Invalid parameter",
  "provider_code" : 4,
  "data" : null
}
```

Status Codes

Status Code	Description
200	The request is successful. The value of **Content-Type** in the response header is **application/octet-stream**, indicating that the interface returns a file stream. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

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4.7.5 Changing the Status of a Service Ticket

Function

This API is used to change the change ticket status. The value of *ticket_type* in the request path is fixed to *change*, and the change ticket number is transferred to *ticket_id*. This API is used to start, end, cancel, and add change results.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:update	Write	-	-	-	-

URI

PUT /v1/{ticket_type}/tickets/{ticket_id}

Table 4-543 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be modified. **change** indicates that the change ticket status is updated. **Constraints**: N/A **Value range**: change **Default value**: N/A

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Parameter	Mandatory	Type	Description
ticket_id	Yes	String	**Definition**: Change ticket number. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

Table 4-544 Request body parameters

Parameter	Mandatory	Type	Description
ticket_info	No	ticket_info object	• | **Description**: Information about the change ticket. When operations are performed on a change sub-ticket, the information about the change ticket does not need to be transferred. When operations such as review and cancellation are performed on a change ticket, the information about the change ticket needs to be transferred. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
sub_tickets	No	Array of **sub_tickets** objects	• | **Description**: Information about the change sub-ticket. Each change region of a change ticket has a corresponding change sub-ticket. Operations such as starting a change, canceling a change, and filling back a change result can be performed on each change sub-ticket. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
history_info	No	**history_info** object	• | **Description**: Action of the update operation. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-545 ticket_info

Parameter	Mandatory	Type	Description
phase	No	String	• | **Description**: Ticket operation type. The value is of the enumerated type. **Constraints**: N/A **Value Range**: The enumerated values are as follows: - phase_change_end: completed - phase_change_cancel: canceled - phase_change_draft: draft - phase_change_implemente: change implementation and verification - phase_change_apply: applicant confirmation - phase_change_approve: approval - phase_change_close: closed **Default Value**: N/A

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Parameter	Mandatory	Type	Description
work_flow_status	No	String	• | **Description**: Ticket status. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-546 sub_tickets

Parameter	Mandatory	Type	Description
ticket_id	No	String	• | **Description**: Sub-ticket ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
change_result	No	String	• | **Description**: Change result. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
is_verified_in_change_time	No	Boolean	• | **Description**: Whether the verification can be performed in the time window. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
verified_docs	No	String	• | **Description**: Verification document ID. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
comment	No	String	• | **Description**: Description of the change failure cause. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
change_fail_type	No	String	• | **Description**: Change failure type. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
rollback_start_time	No	Long	• | **Description**: Start time of a rollback. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
rollback_end_time	No	Long	• | **Description:** Rollback end time. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

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Parameter	Mandatory	Type	Description
is_rollback_success	No	Boolean	• | **Description**: Whether the rollback is successful. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.
is_monitor_found	No	Boolean	• | **Description**: Whether the issue is detected by monitoring. **Constraints**: N/A. **Value range**: N/A. **Default value**: N/A.

Table 4-547 history_info

Parameter	Mandatory	Type	Description
action	No	String	• | **Description**: Operation type. **Constraints**: N/A **Value range**: - change_start_change_success: The change starts. - change_end_change_success: The change ends. - change_set_change_result_success: The change is successful. - change_result_failed: The change fails. - change_cancel_change_success: The change is canceled. **Default value**: N/A

Response Parameters

Status code: 200

Table 4-548 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**data** object	**Definition**: Data returned after the change order status is updated. **Value range**: N/A

Table 4-549 data

Parameter	Type	Description
is_start_process_async	Boolean	**Definition**: Whether to start the process asynchronously. The value is fixed to true, indicating that the background ticket creation process is an asynchronous process. **Value range**: true **Default value**: true
is_update_null	Boolean	**Definition**: Whether to resubmit the empty field. **Value range**: false **Default value**: false

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Parameter	Type	Description
is_return_full_info	Boolean	**Definition**: Whether to return all fields. **Value range**: false **Default value**: false
is_start_process	Boolean	**Definition**: Whether to start the process. • If this parameter is set to false, the created ticket is in the draft state. • The preset value is true. The created ticket is in the unhandled state. **Value range**: false **Default value**: false
ticket_id	String	**Definition**: ID of the change order to be updated. **Value range**: N/A

Status code: 400

Table 4-550 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

- Change started.

```
PUT https://{Endpoint}/v1/change/tickets/CM2025062619193801644851 33

{
  "history_info" : {
    "action" : "change_start_change_success"
  },
  "sub_tickets" : [ {
    "ticket_id" : "e72f9b49-2294-4c58-bc57-4a0c6903c5e1"
  } ]
}
```

- Change ended.

```
PUT https://{Endpoint}/v1/change/tickets/CM2025062619193801644851 33

{
  "history_info" : {
    "action" : "change_end_change_success"
  },
  "sub_tickets" : [ {
    "ticket_id" : "e72f9b49-2294-4c58-bc57-4a0c6903c5e1"
  } ]
}
```

- If the change is successful, fill in the change result.

```
PUT https://{Endpoint}/v1/change/tickets/CM2025062619193801644851 33

{
  "sub_tickets" : [ {
    "ticket_id" : "e72f9b49-2294-4c58-bc57-4a0c6903c5e1",
    "sub_tickets" : [ ],
    "change_result" : "change_result_success",
    "is_verified_in_change_time" : true,
    "verified_docs" : null,
    "comment" : "Change succeeded."
  } ],
  "history_info" : {
    "action" : "change_set_change_result_success"
  }
}
```

- If the change fails, fill in the change result.

```
PUT https://{Endpoint}/v1/change/tickets/CM2025062619193801644851 33
```

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```
{
  "sub_tickets" : [ {
    "ticket_id" : "80f198c6-14c0-4541-8e2d-1808bfcedf48",
    "sub_tickets" : [ ],
    "change_result" : "change_result_failed",
    "verified_docs" : null,
    "comment" : "Change failed.",
    "change_fail_type" : "fr_dependent_service_issue",
    "rollback_start_time" : null,
    "rollback_end_time" : null,
    "is_rollback_success" : true,
    "is_monitor_found" : false
  } ],
  "history_info" : {
    "action" : "change_set_change_result_success"
  }
}
```

- Change canceled.

```
PUT https://{Endpoint}/v1/change/tickets/CM20250626191938016448513 3

{
  "history_info" : {
    "action" : "change_cancel_change_success"
  },
  "sub_tickets" : [ {
    "ticket_id" : "b0a966fa-5be7-40e4-bad0-a0749d6fac9c",
    "sub_tickets" : [ ],
    "change_result" : "change_result_cancel",
    "comment" : "Change cancelled."
  } ]
}
```

Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "ticket_info" : {
      "is_start_process_async" : true,
      "is_update_null" : false,
      "is_return_full_info" : false,
      "is_start_process" : true,
      "ticket_id" : "CM20250626191938016448513 3",
      "sub_tickets" : [ ],
      "enum_data_list" : [ ]
    },
    "history_info" : null
  }
}
```

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Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.7.6 Deleting a Change Ticket

Function

This API is used to delete a change ticket. A change ticket can be deleted only when the change ticket is in the canceled state.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.
- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:delete	Write	-	-	-	-

URI

DELETE /v1/{ticket_type}/tickets/{ticket_id}

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Table 4-551 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Type of the service ticket to be operated. The value change indicates that the service ticket to be deleted is a change ticket. **Constraints**: N/A **Value range**: change **Default value**: N/A
ticket_id	Yes	String	**Definition**: Number of the service ticket to be deleted. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

Table 4-552 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049

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Parameter	Type	Description
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Status code: 400

Table 4-553 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Delete the change request CM2025062619193801644851 33.

```
DELETE https://{Endpoint}/v1/change/tickets/CM20250626191938016448513 3
```

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Example Responses

Status code: 200

Request succeeded.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "GOM.00000000",
  "error_msg" : null,
  "provider_code" : 4
}
```

Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.

```
{
  "error_code" : "COC.00067003",
  "error_msg" : "The service ticket does not exist.",
  "provider_code" : 4
}
```

Status Codes

Status Code	Description
200	Request succeeded. For more status codes, see **Status Codes**.
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

4.7.7 Querying a Resource Change Sub-Ticket

Function

This API is used to search for resource change sub-tickets based on the conditions. This API is used only to search for resource change sub-tickets on the hosting center tab page.

Authorization Information

Each account has all the permissions required to call all APIs, but IAM users must be assigned the required permissions.

- If you are using role/policy-based authorization, see **Permissions Policies and Supported Actions** for details on the required permissions.

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- If you are using identity policy-based authorization, the following identity policy-based permissions are required.

Action	Access Level	Resource Type (*: required)	Condition Key	Alias	Dependencies
coc:ticket:list	List	-	-	-	-

URI

GET /v1/{ticket_type}/tickets/{ticket_id}/list-sub-tickets

Table 4-554 Path Parameters

Parameter	Mandatory	Type	Description
ticket_type	Yes	String	**Definition**: Service ticket type. The value is fixed to hosting_change_tenant, indicating that a service ticket for resource type change is searched. **Constraints**: N/A **Value range**: hosting_change_tenant **Default value**: N/A
ticket_id	Yes	String	**Definition**: Service ticket ID. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

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Table 4-555 Query Parameters

Parameter	Mandatory	Type	Description
type	Yes	String	**Definition**: Resource type. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
limit	No	Long	**Definition**: Number of records displayed on each page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
marker	No	String	**Definition**: ID of the last record on the previous page. **Constraints**: N/A **Value range**: N/A **Default value**: N/A

Request Parameters

None

Response Parameters

Status code: 200

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Table 4-556 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A
data	**data** object	**Definition**: Information about the searched service sub-ticket. **Constraints**: N/A

Table 4-557 data

Parameter	Type	Description
total	Long	**Definition**: Number of the searched service sub-tickets. **Constraints**: N/A
tickets	Array of **SubTicketListInfo** objects	**Definition**: Search result, which is the service ticket details. **Constraints**: N/A

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Table 4-558 SubTicketListInfo

Parameter	Type	Description
ep_id	String	**Definition**: Enterprise project ID. **Constraints**: N/A
resource_id	String	**Definition**: Resource ID. **Constraints**: N/A
type	String	**Definition**: Resource type. **Constraints**: N/A
name	String	**Definition**: Resource name. **Constraints**: N/A
provider	String	**Definition**: Resource type. **Constraints**: N/A
domain_id	String	**Definition**: Tenant ID. **Constraints**: N/A
region_id	String	**Definition**: Region information. **Constraints**: N/A
hosting_id	String	**Definition**: Host ID. **Constraints**: N/A

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Parameter	Type	Description
properties_json	String	**Definition**: Resource attribute information. **Constraints**: N/A
tags_json	String	**Definition**: Resource tag information. **Constraints**: N/A
is_deleted	Boolean	**Definition**: Whether the change ticket has been deleted. **Constraints**: N/A
id	String	**Definition**: Change ticket ID. **Constraints**: N/A
main_ticket_id	String	**Definition**: Primary key ID of the change ticket. **Constraints**: N/A
parent_ticket_id	String	**Definition**: Parent ticket ID. **Constraints**: N/A
ticket_id	String	**Definition**: Change ticket ID. **Constraints**: N/A
real_ticket_id	String	**Definition**: Change ticket number. **Constraints**: N/A

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Parameter	Type	Description
ticket_path	String	**Definition**: Change ticket path. **Constraints**: N/A
target_value	String	**Definition**: Region information of the change sub-ticket. **Constraints**: N/A
target_type	String	**Definition**: Change ticket subticket type. **Constraints**: N/A
create_time	Long	**Definition**: Time when a change ticket is created. **Constraints**: N/A
update_time	Long	**Definition**: Timestamp when a change ticket is updated. **Constraints**: N/A
creator	String	**Definition**: Change ticket creator. **Constraints**: N/A
operator	String	**Definition**: Change ticket operator. **Constraints**: N/A

Status code: 400

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Table 4-559 Response body parameters

Parameter	Type	Description
provider_code	String	**Definition**: Service ID. **Value range**: N/A **Default value**: 049
error_code	String	**Definition**: Request response code. **Value range**: GOM.00000000~GOM.00009999999 **Default value**: GOM.00000000
error_msg	String	**Definition**: Response description for a request. **Value range**: N/A

Example Requests

Query the sub-ticket information of resource change ticket 20250630165211010544266340.

```
GET https://{Endpoint}/v1/hosting_change_tenant/tickets/20250630165211010544266340/list-sub-tickets?limit=120&type=CloudServer
```

Example Responses

Status code: 200

Definition:

Information about the searched service sub-ticket.

Constraints:

N/A

Value range:

N/A

Default value:

N/A

```
{
  "error_code" : "GOM.00000000",
```

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```
  "error_msg" : null,
  "provider_code" : 4,
  "data" : {
    "total" : 1,
    "tickets" : [ {
      "ep_id" : "0",
      "resource_id" : "07bb5906-abe7-452f-9666-xxx",
      "type" : "cloudservers",
      "name" : "cmdb-autoTest-0001",
      "provider" : "ecs",
      "domain_id" : "xxx",
      "region_id" : "xxx",
      "hosting_id" : "67ba03743cc5fe35782b8436",
      "properties_json" : "{\"accessIpv4\":\"\",\"hostName\":\"xxx\",\"addresses\":[{\"OsExtIpsType\":\"fixed
\",\"OsExtIpsPortId\":\"xxx\",\"addr\":\"xxx\",\"version\":4,\"OsExtIpsMacAddr\":\"xxx\",\"primary
\":true}],\"accessIpv6\":\"\",\"metadata\":{\"chargingMode\":\"1\",\"lockScene\":\"\",\"imageName
\":\"Huawei Cloud EulerOS 2.0 Standard 64 bit\",\"meteringProductId\":\"00301-234527-0--0\",\"lockSource
\":\"\",\"lockSourceId\":\"\",\"meteringOrderId\":\"CS25011611330ECBO\",\"meteringImageType\":\"gold
\",\"meteringImageId\":\"7d940784-ac0a-425f-b3fa-8478f1a1df70\",\"meteringResourcesPerCode
\":\"t6.small.1.linux\",\"vpcId\":\"xxx\",\"osBit\":\"64\",\"osType\":\"Linux\",\"lockCheckEndpoint
\":\"\"},\"OsExtStsVmState\":\"active\",\"configDrive\":\"\",\"OsExtStsPowerState\":1,\"hostId\":\"xxx
\",\"securityGroup\":[{\"name\":\"Sys-WebServer\",\"id\":\"xxx\"}],\"ExtVolumesAttached\":[{\"bootIndex
\":\"0\",\"id\":\"xxx\",\"device\":\"/dev/vda\"}],\"userId\":\"xxx\",\"flavor\":{\"disk\":\"0\",\"name
\":\"t6.small.1\",\"id\":\"t6.small.1\",\"vcpus\":\"1\",\"ram\":\"1024\"},\"osextsrvattr\":{\"hostName\":\"cmdb-
autotest-0001\",\"kernelId\":\"\",\"ramdiskId\":\"\",\"reservationId\":\"r-hdv1h30e\",\"instanceName
\":\"instance-03fa3c69\",\"host\":\"2c6e5863373ab22b02bc4f2aa59c78ad9000xxx\",\"rootDeviceName
\":\"/dev/vda\",\"hypervisorHostName\":\"ab787e4c74c537bxxx\",\"launchIndex\":0},\"OsDcfDiskConfig
\":\"MANUAL\",\"hostStatus\":\"UP\",\"OsSrvUsgLaunchedAt\":\"2025-01-16T03:37:03.000000\",\"OsExtAz
\":\"xxx\",\"progress\":0,\"locked\":false,\"status\":\"ACTIVE\",\"schedulerHints\":{}}",
      "tags_json" : "[{\"key\":\"autotest_key\",\"value\":\"autotest_value\"}]",
      "id" : "5e56457ee7369a60193748144bc1044f",
      "main_ticket_id" : "1805ff30-0145-4e75-a2d2-32ef5b9ef520",
      "parent_ticket_id" : "1805ff30-0145-4e75-a2d2-32ef5b9ef520",
      "ticket_id" : "36df6b7b-0c15-4803-b42e-a6aa3618e796",
      "real_ticket_id" : "20250630165211010544266340001",
      "ticket_path" : "1805ff30-0145-4e75-a2d2-32ef5b9ef520:CloudServer:4aa14d9e-af5a-4d0b-8827-
bd923892edcf",
      "target_value" : "4aa14d9e-af5a-4d0b-8827-bd923892edcf",
      "target_type" : "CloudServer",
      "create_time" : 1751273531120,
      "update_time" : 1751273531120,
      "operator" : "7a581431fe0eab2f17a9f3704f955de79e4ee287c66573d90c2dc2514ae5bfce",
      "creator" : "7a581431fe0eab2f17a9f3704f955de79e4ee287c66573d90c2dc2514ae5bfce",
      "is_deleted" : false,
      "sub_tickets" : [ ]
    } ]
  }
}
```


Status code: 400

The server failed to process the request.

For more status codes, see **Status Codes**.


```
{
  "error_code" : "COC.00067003",
  "error_msg" : "The service ticket does not exist.",
  "provider_code" : 4,
  "data" : null
}
```


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Status Codes

Status Code	Description
200	**Definition**: Information about the searched service sub-ticket. **Constraints**: N/A **Value range**: N/A **Default value**: N/A
400	The server failed to process the request. For more status codes, see **Status Codes**.

Error Codes

See **Error Codes**.

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5 Permissions and Supported Actions

5.1 Permissions and Supported Actions

You can use Identity and Access Management (IAM) for fine-grained permissions management of your COC resources. If your Huawei account does not need individual IAM users, you can skip this section.

With IAM, you can control access to specific resources by granting permissions to principals (IAM users, user groups, agencies or trust agencies). IAM supports role/policy-based authorization and identity policy-based authorization.

The following table describes the differences between these two authorization models.

Table 5-1 Differences between role/policy-based and identity policy-based authorization

Parameter	Core Relationship	Permission	Authorization Method	Application Scenario
Role/Policy-based authorization	User-permissions-authorization scope	• System-defined roles • System-defined policies • Custom policies	Assigning roles or policies to principals	To authorize a user, you need to add it to a user group first and then specify the scope of authorization. It provides a limited number of condition keys and cannot meet the requirements of fine-grained permissions control. This method is suitable for small- and medium-sized enterprises.

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Parameter	Core Relationship	Permission	Authorization Method	Application Scenario
Identity policy-based authorization	User-policy	• System-defined identity policies • Custom identity policies	• Assigning identity policies to principals • Attaching identity policies to principals	You can authorize a user by attaching an identity policy to it. User-specific authorization and a variety of key conditions allow for more fine-grained permissions control. However, this model can be hard to set up. It requires a certain amount of expertise and is suitable for medium- and large-sized enterprises.

Assume that you want to grant IAM users permission to create ECSs in CN North-Beijing4 and OBS buckets in CN South-Guangzhou . With role/policy-based authorization, the administrator needs to create two custom policies and assign both to the IAM users. With identity policy-based authorization, the administrator only needs to create one custom policy and configure the condition key **g:RequestedRegion** for the policy, and then attach the policy to the users or grant the users the permissions.

Policies/Identity policies and actions in the two authorization scenarios are not interoperable. You are advised to use the identity policy-based authorization model.

If you use IAM users in your account to call an API, the IAM users must be granted the required permissions. The required permissions are determined by the actions supported by the API. Only users with the permissions allowing for those actions can call the API successfully.

Assume that an IAM user wants to call an API to query engine information. With policy-based authorization, the IAM user must be granted the permissions allowing for action **coc:engine:get**. With identity policy-based authorization, the IAM user must be granted the permissions allowing for action **coc:engine:get**.

5.2 Actions Supported by Policy-based Authorization

This section describes the actions supported by COC in policy-based authorization.

Actions

This service provides system-defined policies. You can also create custom policies to supplement system-defined policies for more refined access control. Actions supported by policies are specific to APIs. Common concepts related to policies include:

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- Permissions: statements in a policy that allow or deny certain operations
- APIs: APIs that can be called by a custom policy
- Actions: added to a custom policy to control permissions for specific operations.
- Dependencies: actions which a specific action depends on. When allowing an action for a user, you also need to allow any existing action dependencies for that user.
- IAM projects/Enterprise projects: the authorization scope of a custom policy. A custom policy can be applied to IAM projects or enterprise projects or both. Policies that contain actions for both IAM and enterprise projects can be used and applied for both IAM and Enterprise Management. Policies that contain actions only for IAM projects can be used and applied to IAM only. Administrators can check whether an action supports IAM projects or enterprise projects in the action list. For details about the differences between IAM and enterprise management, see **What Are the Differences Between IAM and Enterprise Management?**

COC supports the following actions in custom policies:

Application Resource Management

Table 5-2 Application resource management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Querying the number of resources	GET /v1/resources/count	coc:instance:countResources	√	×
Querying the application list	GET /v1/applications	coc:application:list	√	×
Creating an application	POST /v1/applications	coc:application:create	√	×
Updating an application.	PUT /v1/applications/{id}	coc:application:update	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Deleting an application	DELETE /v1/applications/{id}	coc:application:delete	√	×
Creating a group	POST /v1/groups	coc:application:createGroup	√	×
Querying a group list	GET /v1/groups	coc:application:listGroups	√	×
Updating a group	PUT /v1/groups/{id}	coc:application:updateGroup	√	×
Deleting a group	DELETE /v1/groups/{id}	coc:application:deleteGroup	√	×
Synchronizing group resources based on resource binding rules	POST /v1/groups/{id}/sync	coc:application:syncGroup	√	×
Updating a group resource relationship	PUT /v1/group-resource-relations	coc:application:updateResources	√	×
Creating a group resource relationship	POST /v1/group-resource-relations	coc:application:addResources	√	×
Deleting a group resource relationship	DELETE /v1/group-resource-relations	coc:application:removeResources	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Querying the group resource relationship list	GET /v1/group-resource-relations	coc:application:listResources	√	×
Querying the number of group resource relationships	GET /v1/group-resource-relations/count	coc:application:countResourceRelations	√	×
Importing offline resources	POST /v1/other-resources/import	coc:instance:syncResources	√	×
Creating a component	POST /v1/components	coc:application:create	√	×
Querying the component list	GET /v1/components	coc:application:list	√	×
Updating a component	PUT /v1/components/{id}	coc:application:update	√	×
Deleting a component	DELETE /v1/components/{id}	coc:application:delete	√	×
Querying an application view	GET /v1/application-view/search	coc:application:list	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Querying the cloud resource capacity by application	POST /v1/capacity	coc:application:getCapacity	√	×
Querying the resource capacity ranking of applications, components, and groups	GET /v1/capacity/order	coc:application:getSortedCapacity	√	×
Adding a cloud vendor account	POST /v1/vendor-account	coc:vendorAccount:create	√	×
Querying the cloud vendor account list	GET /v1/vendor-account	coc:vendorAccount:list	√	×
Updating a cloud vendor account	PUT /v1/vendor-account	coc:vendorAccount:update	√	×
Deleting a cloud vendor account	DELETE /v1/vendor-account	coc:vendorAccount:delete	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Querying the number of multi-cloud resources	GET /v1/multicloud-resources/count	coc:instance:countResources	√	×
Synchronizing multi-cloud resources	POST /v1/multicloud-resources/sync	coc:instance:syncResources	√	×
Querying the view list	GET /v1/resource/views	coc:resourceView:list	√	×
Creating a view	POST /v1/resource/views	coc:resourceView:create	√	×
Updating a view	PUT /v1/resource/views/{id}	coc:resourceView:update	√	×
Deleting a view	DELETE /v1/resource/views/{id}	coc:resourceView:delete	√	×
Synchronizing view resources	POST /v1/resource/views/{id}/sync	coc:resourceView:syncResources	√	×
Querying view resources	GET /v1/resource/views/resources	coc:resourceView:listResources	√	×
Querying the number of view resources	GET /v1/resource/views/resources/count	coc:resourceView:countResources	√	×
Querying the offline resource list	GET /v1/other-resources	coc:instance:listResources	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Deleting offline resources	DELETE /v1/other-resources	coc:instance:syncResources	√	×
Updating offline resources	PUT /v1/other-resources/{id}	coc:instance:syncResources	√	×
Querying the number of offline resources	GET /v1/other-resources/count	coc:instance:countOtherResources	√	×
Querying resource tags	GET /v1/resources/{resource_id}/tags	coc:instance:listResourceTags	√	×
Adding a resource tag	POST /v1/resources/{resource_id}/tags	coc:instance:createResourceTags	√	×
Synchronizing the UniAgent status of resources	POST /v1/resources/uniagent/sync	coc:instance:syncResources	√	×
Synchronizing the UniAgent status of offline resources	POST /v1/other-resources/uniagent/sync	coc:instance:syncResources	√	×
Querying the list of Favorited enterprise projects	GET /v1/enterprise-project-collect	coc:enterpriseProject:listCollect	√	×
Updating the favorited enterprise projects	PUT /v1/enterprise-project-collect	coc:enterpriseProject:updateCollect	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Querying the latest update status of a multi-cloud resource	GET /v1/multicloud-resources/last-sync-status	coc:system:getLastSyncStatus	√	×
Querying the status of an asynchronous task	GET /v1/jobs/{job_id}	coc:system:getResourceSyncJobDetail	√	×
Querying multi-cloud resources	GET /v1/multicloud-resources	coc:instance:listResources	√	×
Querying the next layer of an application model	GET /v1/application-model/next	coc:application:listModel	√	×
Creating an application model	POST /v1/application-view/batch-create	coc:application:create	√	×
Querying the resource list	GET /v1/resources	coc:instance:listResources	√	×
Querying the number of cloud resources	GET /v1/resources/multi-count	coc:instance:countResources	√	×

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Script Management

Table 5-3 Script management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Obtaining the automatic batching result	POST /v1/instances/batches	coc:instance:autoBatchInstances	√	×
Checking whether high-risk commands are contained in a script using regular expressions	POST /v1/job/analyze-job	coc:document:analyzeRisk	√	×
Executing a custom script	POST /v1/job/scripts/{script_uuid}	coc:instance:executeDocument	√	×
Executing a public script	POST /v1/job/public-scripts/{script_uuid}	coc:instance:executeDocument	√	×
Customizing the script list	GET /v1/job/scripts	coc:document:list	√	×
Customizing the script details	GET /v1/job/scripts/{script_uuid}	coc:document:get	√	×
Creating a custom script	POST /v1/job/scripts	coc:document:create	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Modifying a custom script	PUT /v1/job/scripts/{script_uuid}	coc:document:update	√	×
Deleting a custom script	DELETE /v1/job/scripts/{script_uuid}	coc:document:delete	√	×
Reviewing a custom script	POST /v1/job/scripts/{script_uuid}/action	coc:document:update	√	×
Public script list	GET /v1/job/public-scripts	coc:document:list	√	×
Public script details	GET /v1/job/public-scripts/{script_uuid}	coc:document:get	√	×
Script service ticket list	GET /v1/job/script/orders	coc:job:list	√	×
Basic information about the script service ticket	GET /v1/job/script/orders/{execute_uuid}	coc:job:get	√	×
Script service ticket batch details	GET /v1/job/script/orders/{execute_uuid}/batches/{batch_index}	coc:job:get	√	×
Script service ticket batch list.	GET /v1/job/script/orders/{execute_uuid}/batches	coc:job:get	√	×
Script service ticket statistics	GET /v1/job/script/orders/{execute_uuid}/statistics	coc:job:get	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Script service ticket operation	PUT /v1/job/script/orders/{execute_uuid}/operation	coc:job:action	√	×
Querying resource tags	GET /v1/script/coc:script/tags	coc:document:list	√	×
Updating resource tags	POST /v1/script/coc:script/{resource_id}/tags/update	coc:document:update	√	×

Job Management

Table 5-4 Job management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Querying the list of user-defined jobs	GET /v1/documents	coc:document:createDocument	√	×
Creating a user-defined job	POST /v1/documents	coc:document:listDocument	√	×
Obtaining the job atomic capability list	GET /v1/atomics	coc:documentAtomic:list	√	×
Obtaining atomic capability details	GET /v1/atomics/{atomic_unique_key}	coc:documentAtomic:get	√	×
Modifying a user-defined job	PUT /v1/documents/{document_id}	coc:document:updateDocument	√	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Executing a user-defined job	POST /v1/documents/{document_id}	coc:document:execute	√	×
Querying details about a user-defined job	GET /v1/documents/{document_id}	coc:document:getDocument	√	×
Deleting a user-defined job	DELETE /v1/documents/{document_id}	coc:document:deleteDocument	√	×
Querying service ticket details of a user job	GET /v1/executions/{execution_id}	coc:execution:get	√	×
Querying details about a user service ticket step	GET /v1/executions/{execution_id}/steps	coc:execution:listExecutionStep	√	×
Querying the service ticket list of a user job	GET /v1/executions	coc:execution:list	√	×
Querying batch instances of a service ticket step, such as ECS instances in batch operations on scripts.	GET /v1/executions/instances	coc:execution:listExecutionStepInstance	√	×
Performing operations on service tickets of user jobs	POST /v1/executions	coc:execution:operate	√	×

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Patch Management

Table 5-5 Patch management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Obtaining the node compliance report	GET /v1/patch/instance/compliant	coc:complianceReport:list	√	×
Obtaining node patch details by page	GET /v1/patch/instance/compliant/{instance_compliant_id}	coc:complianceReport:get	√	×

Scheduled O&M

Table 5-6 Scheduled O&M

Permission	API	Action	Related Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Creating a scheduled O&M task	POST /v1/schedule/task	coc:schedule:create	iam:agencies:pass (Grants permission to pass an agency to a cloud service.)	×	√
Querying the scheduled O&M task list	GET /v1/schedule/task	coc:schedule:list	N/A	×	√

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Permission	API	Action	Related Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Modifying a scheduled O&M task	PUT /v1/schedule/task/{task_id}	coc:schedule:update	iam:agencies:pass (Grants permission to pass an agency to a cloud service.)	×	√
Querying details about a scheduled O&M task	GET /v1/schedule/task/{task_id}	coc:schedule:get	N/A	×	√
Deleting a scheduled O&M task	DELETE /v1/schedule/task/{task_id}	coc:schedule:delete	N/A	×	√
Enabling scheduled O&M tasks	POST /v1/schedule/task/{task_id}/enable	coc:schedule:enable	N/A	×	√
Disabling scheduled O&M tasks	POST /v1/schedule/task/{task_id}/disable	coc:schedule:disable	N/A	×	√
Querying historical records of scheduled O&M tasks	GET /v1/schedule/task/history	coc:schedule:getHistories	N/A	×	√

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Incident Management

Table 5-7 Incident management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Handling an incident ticket	POST /v2/incidents/{incident_id}/actions	coc:ticket:action	×	×
Querying the incident object list	POST /v2/incidents/list	coc:ticket:list	×	×
Querying the incident operation history list	POST /v2/incidents/{incident_id}/histories	coc:ticket:getOperationHistories	×	×
Obtaining incident tasks	GET /v2/incidents/{incident_id}/tasks	coc:ticket:listActions	×	×
Creating an incident ticket	POST /v1/external/incident/create	coc:ticket:create	×	×
Upload an attachment	POST /v1/external/incident/attachments	coc:ticket:uploadFile	×	×
Handling an incident ticket	POST /v1/external/incident/handle	coc:ticket:action	×	×
Obtaining the incident history	POST /v1/external/{ticket_type}/list-histories	coc:ticket:getOperationHistories	×	×
Querying the list of simplified incidents	GET /v1/incident-tickets	coc:ticket:list	×	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Obtaining incident details	GET /v1/external/incident/{incident_num}	coc:ticket:get	×	×

Issue Ticket Management

Table 5-8 Issue ticket management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Creating an issue ticket	POST /v1/external/issues/create	coc:ticket:create	×	×
Obtaining incident details	GET /v1/external/issues/{ticket_id}	coc:ticket:get	×	×

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Alarm Management

Table 5-9 Alarm management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Handling alarms	POST /v1/alarm-mgmt/alarm/{alarm_id}/auto-process	coc:instance:executeDocument	√	×
Clearing alarms in batches	POST /v1/alarm-mgmt/alarms/cancel	coc:alarm:clear	√	×
Converting an alarm to an incident	POST /v1/alarm-mgmt/alarms-linked-incident	coc:alarm:createAlarmLinkedIncident	√	×
Querying historical alarm handling records	GET /v1/alarm-mgmt/alarm/{alarm_id}/handle-histories	coc:alarm:listHandleHistories	√	×
Querying alarm details	GET /v1/alarm-mgmt/alarm/{alarm_id}	coc:alarm:get	√	×

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War Room

Table 5-10 War room

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Creating a war room in the tenant zone	POST /v1/external/warrooms	coc:warroom:create	×	×
Querying the war room information list in a tenant zone	POST /v1/external/warrooms/list	coc:warroom:list	×	×

Change Management

Table 5-11 Change management

Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Updating the information about a change ticket	PUT /v2/changes/{change_id}	coc:ticket:update	×	×
Deleting a change ticket	DELETE /v1/{ticket_type}/tickets/{ticket_id}	coc:ticket:delete	×	×

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Permission	API	Action	IAM Project (Project)	Enterprise Project (Enterprise Project)
Searching for a sub-ticket of a changed service ticket	GET /v1/{ticket_type}/tickets/{ticket_id}/list-sub-tickets	coc:ticket:list	×	×
Changing the status of a change ticket	PUT /v1/{ticket_type}/tickets/{ticket_id}	coc:ticket:update	×	×

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6 Appendix

6.1 Status Codes

Normal

Status Code	Description	State Code Description
200	OK	Request succeeded.
201	Created	Request processed.
202	Accepted	A task has been successfully delivered. However, it will be postponed because the system is busy currently.
204	No Content	The task is successfully delivered.

Abnormal

Status Code	Description	State Code Description
300	multiple choices	The requested resource has multiple available responses.
400	Bad Request	The request failed to be processed due to bad syntax.
401	Unauthorized	You must enter a username and the password to access the requested page.
403	Forbidden	Access to the requested page is forbidden.
404	Not Found	The requested page was not found.

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Status Code	Description	State Code Description
405	Method Not Allowed	The request method is not allowed.
406	Not Acceptable	Response generated by the server is not acceptable to the client.
407	Proxy Authentication Required	The client must first authenticate itself with the proxy.
408	Request Timeout	The request timed out.
409	Conflict	The request is not processed due to a conflict.
429	Request Entity Too Large	The request throttling threshold is reached.
500	Unsupported Media Type	The request is not completed because there is an exception.
501	Too Many Requests	The request is not completed because the server does not support the requested function.
502	Internal Server Error	The request is not completed because the server receives an invalid response from the upstream server.
503	Not Implemented	The request is not completed because the system is temporarily abnormal.
504	Service Unavailable	The server has waited too long for a response from an upstream server.

6.2 Error Codes

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

Status Code	Error Codes	Error Message	Description	Solution
400	COC.00010002	Invalid parameter values.	Invalid parameter values.	Check whether the submitted parameters are correct or contact COC O&M personnel.
400	COC.00010014	Call iam with query projects failed.	Call iam with query projects failed.	Contact COC O&M personnel.

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Status Code	Error Codes	Error Message	Description	Solution
400	COC.00011013	Login user is null.	Login user is null.	Contact COC O&M personnel.
400	COC.00014002	Invalid parameter values.	Invalid parameter values.	Check whether the submitted parameters are correct or contact COC O&M personnel.
400	COC.00014102	The scheduled task is not exists.	The scheduled task is not exists.	Contact COC O&M personnel.
400	COC.00014103	Cancel task schedule failed.	Cancel task schedule failed.	Contact COC O&M personnel.
400	COC.00014104	The scheduled task is already disabled.	The scheduled task is already disabled.	Contact COC O&M personnel.
400	COC.00014110	The scheduled task is already enabled.	The scheduled task is already enabled.	Refresh the page.
400	COC.00014121	This schedule task not belong to accountId.	This schedule task not belong to accountId.	Contact COC O&M personnel.
400	COC.00014131	The scheduled task trigger time parameter is null.	The scheduled task trigger time parameter is null.	Enter a correct execution time.
400	COC.00014132	The time zone parameter is invalid.	The time zone parameter is invalid.	Enter a correct time zone.
400	COC.00014133	The time parameter is a historical time or an invalid time.	The time parameter is a historical time or an invalid time.	Select a task execution time later than the current time.

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Status Code	Error Codes	Error Message	Description	Solution
400	COC.00014134	The cron parameter is an invalid cron expression.	The cron parameter is an invalid cron expression.	Enter a correct cron expression in the six-field format, for example, 0 * * * *? (once every minute).
400	COC.00014135	The periodic scheduled time is an invalid time.	The periodic scheduled time is an invalid time.	Enter a valid periodic execution time.
400	COC.00014136	The period parameter is invalid.	The period parameter is invalid.	Enter a valid periodic execution time.
400	COC.00014138	The user is created too much,Please contact the administrator.	The user is created too much,Please contact the administrator.	The maximum number of scheduled tasks of the user is exceeded. Delete one scheduled task and try again.
400	COC.00014139	The scheduled task is being started and cannot be deleted.	The scheduled task is being started and cannot be deleted.	Change the task status and try again.
400	COC.00014147	The task cannot be deleted when it is enabled.	The task cannot be deleted when it is enabled.	Change the task status and try again.
400	COC.00014149	There is no time to execute.	There is no time to execute.	Contact COC O&M personnel.
400	COC.00014150	The reviewer name or notification information cannot be empty.	The reviewer name or notification information cannot be empty.	Select or enter the reviewer name and notification information.

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Status Code	Error Codes	Error Message	Description	Solution
400	COC.00014151	The approver notification information is incomplete.	The approver notification information is incomplete.	Enter the complete notification information about the reviewer.
400	COC.00014172	The reviewer does not exist.	The reviewer does not exist.	Contact COC O&M personnel.
400	COC.00021002	Invalid parameter values.	Invalid parameter values.	Check whether the submitted parameters are correct or contact COC O&M personnel.
400	COC.00021101	The baselineId is blank.	The baselineId is blank.	Contact COC O&M personnel.
400	COC.00021102	The patch baseline is not exists.	The patch baseline is not exists.	Contact COC O&M personnel.
400	COC.00021213	No permission to operate this compliance report.	No permission to operate this compliance report.	You do not have the permission to perform operations on the current compliance report. Contact COC O&M personnel.
400	COC.00021214	The compliance report is not exists.	The compliance report is not exists.	Contact COC O&M personnel.
400	COC.00021218	Login user is null.	Login user is null.	Contact COC O&M personnel.
400	COC.00040600	The script name is duplicated.	The script name is duplicated.	Enter another name.
400	COC.00040601	The script name format is invalid.	The script name format is invalid.	Enter a script name in a valid format.

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Status Code	Error Codes	Error Message	Description	Solution
400	COC.00040701	Target instance by batch exceed limit.	Target instance by batch exceed limit.	Enter the number of instances that meet the batch limit.
400	COC.00110000	Failed to operate account. Login user not sre account.	Failed to operate account. Login user not sre account.	Switch to the SRE account.
400	COC.00195008	Failed to obtain IAM data.	Failed to obtain IAM data.	Contact COC O&M personnel.
400	COC.00227002	The SLA template does not exist.	The SLA template does not exist.	Check whether the SLA rule ID can be found.
400	COC.00227006	The template does not belong to this account.	The template does not belong to this account.	Check whether the SLA rule ID belongs to the current user.
400	COC.00227007	The template type does not match.	The template type does not match.	Check whether the operation object of the user is correct.
400	COC.00227008	The work order does not exist.	The work order does not exist.	Contact COC O&M personnel.
400	COC.00227028	The SLO is not exist.	The SLO is not exist.	Contact COC O&M personnel.
400	COC.00227031	You do not have the permission to operate this sloInfo.	You do not have the permission to operate this sloInfo.	Contact COC O&M personnel.
403	COC.00021104	No permission to operate this patch baseline.	No permission to operate this patch baseline.	Please input your own patch baseline.

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Status Code	Error Codes	Error Message	Description	Solution
403	COC.00236011	The current alarm does not belong to you. You do not have the permission to access the alarm.	The current alarm does not belong to you. You do not have the permission to access the alarm.	Contact COC O&M personnel.
404	COC.00236003	The current alarm is not exist.	The current alarm is not exist.	Contact COC O&M personnel.
500	COC.00010001	Internal server error.	Internal server error.	Contact COC O&M personnel.
500	COC.00010009	Param can not be empty.	Param can not be empty.	Check whether the parameters are valid.
500	COC.00012001	Internal server error.	Internal server error.	Contact COC O&M personnel.
500	COC.00012003	Get next execute time failed.	Get next execute time failed.	Contact COC O&M personnel.
500	COC.00014142	Failed to obtain CMDB data.	Failed to obtain CMDB data.	Contact COC O&M personnel.
500	COC.00014143	The resource does not meet the requirements. Check the permission or resource status.	The resource does not meet the requirements. Check the permission or resource status.	Contact COC O&M personnel.
500	COC.00014153	Execute personnel failed.	Execute personnel failed.	Contact COC O&M personnel.
500	COC.00015005	Project id is null.	Project id is null.	Contact COC O&M personnel.

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Status Code	Error Codes	Error Message	Description	Solution
500	COC.00015016	The current accountId is not exist. You do not have the permission to sync this domain.	The current accountId is not exist. You do not have the permission to sync this domain.	Contact COC O&M personnel.
500	COC.00015017	The response entity of the remote invoking interface is null.	The response entity of the remote invoking interface is null.	Contact COC O&M personnel.
500	COC.00017021	Order field or type is wrong.	Order field or type is wrong.	Contact COC O&M personnel.
500	COC.00017027	The current interrupt-records does not belong to you or not exist. You do not have the permission to operate this.	The current interrupt-records does not belong to you or not exist. You do not have the permission to operate this.	Contact COC O&M personnel.
500	COC.00021109	Patch Baseline Filters in the rule is empty.	Patch Baseline Filters in the rule is empty.	Contact COC O&M personnel.

6.3 Obtaining a Project ID

Scenario

A project ID is required for some URLs when an API is called. You need to obtain a project ID in advance. You can obtain the project ID in either of the following ways:

- **Obtaining a Project ID by Calling an API**
- **Obtaining a Project ID on the Console**

Obtaining a Project ID by Calling an API

You can obtain a project ID by calling the API used to query projects based on specified criteria. For details, see **Querying Project Information**.

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The API used to obtain a project ID is **GET https://*{Endpoint}*/v3/projects**, where *{Endpoint}* indicates the IAM endpoint. You can obtain the IAM endpoint from **Regions and Endpoints**. For details about API authentication, see **3.2 Authentication**.

The following is an example response. The value of **id** under **projects** is the project ID to be obtained.

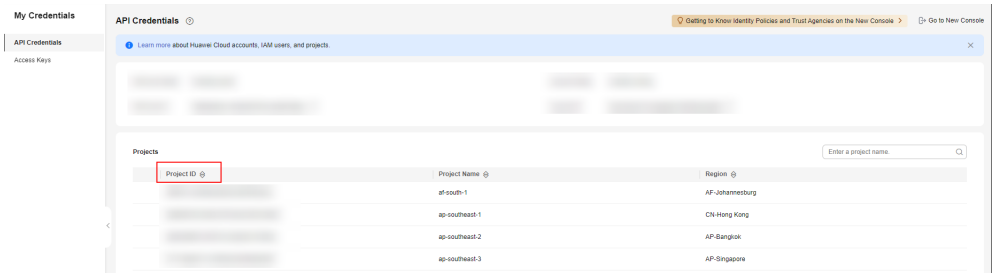
```
{
    "projects": [
        {
            "domain_id": "65382450e8f64ac0870cd180d14e684b",
            "is_domain": false,
            "parent_id": "65382450e8f64ac0870cd180d14e684b",
            "name": "project_name",
            "description": "",
            "links": {
                "next": null,
                "previous": null,
                "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
            },
            "id": "a4a5d4098fb4474fa22cd05f897d6b99",
            "enabled": true
        }
    ],
    "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects"
    }
}
```

Obtaining a Project ID on the Console

Procedure

1. Log in to **COC**.
2. Click the username and choose **My Credentials** from the drop-down list.
   On the **API Credentials** page, view the project ID in the project list.
3. Click the username and choose **My Credential** from the drop-down list.
   On the **My Credentials** page, view the project ID in the project list.

Figure 6-1 Viewing the project ID



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