

EventGrid

API Reference

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1 Before You Start

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- [1.2 API Calling](#)
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1.1 Overview

Welcome to EventGrid (EG)

EventGrid (EG) is a serverless event bus service for standard and centralized access of Huawei Cloud services and custom or SaaS applications. You can build a loosely coupled, distributed event-driven architecture to flexibly route events via CloudEvents.

This document provides API descriptions, syntax, parameters, and examples of EG.

NOTICE

EG is continuously upgraded with new functions, and the existing APIs may be adjusted. For example, new response parameters may be added.

To reduce the impact of API changes, EG is backward compatible with APIs when possible. However, when you use EG, you should accept and ignore unused parameters and parameter values in returned content (in JSON format).

1.2 API Calling

EG supports Representational State Transfer (REST) APIs, allowing you to call APIs using HTTPS. For details about API calling, see [3 Calling APIs](#).

1.3 Endpoints

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

1.4 Concepts

- **Account**
An account has full access permissions for all of its cloud services and resources. It can be used to reset user passwords and grant user permissions. The account is a payment entity and should not be used directly to perform routine management. For security purposes, create users and grant them permissions for routine management.
- **User**
An Identity and Access Management (IAM) user is created using an account to use cloud services. Each IAM user has their own identity credentials (password and access keys).
The account name, username, and password will be required for API authentication.
- **Region**: A region is a geographic area in which cloud resources are deployed. Availability zones (AZs) in the same region can communicate with each other over an intranet, while AZs in different regions are isolated from each other. Deploying cloud resources in different regions can better suit certain user requirements or comply with local laws or regulations.
- **AZ**: An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, compute, network, storage, and other resources 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. Projects are preset by the system and have physically isolated resources (including compute, storage, and network resources) across regions. Users can be granted permissions in a default project to access all resources 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.

2 API Overview

[Table 2-1](#) describes the EG APIs.

Table 2-1 API overview

API	Description
Event Subscription Management	Create, update, delete, and enable/disable event subscriptions, query the event subscription list and details, and update event subscription sources. Create, update, delete, and query event subscription targets.
Event Channel Management	Create, update, and delete custom event channels, and query the event channel list and details.
Event Management	Publish an event to an event channel and precheck the event publishing status.
Event Source Management	Create, update, and delete custom event sources, and query the event source list and details.
Event Target Catalog Management	Query event target catalogs.
Event Schema Management	Create, update, delete, and automatically discover custom event schemas, query the event schema list and details, create and delete custom event schema versions, and query the event schema version list and details.
Connection Management	Create, update, and delete connections, and query the connection list and details.
Service Agency Management	Query and create service agencies.
Quota Management	Query quotas.
API Version Management	Obtain the API version list.

API	Description
Trigger Management	Query the EG trigger of a function or a function flow.
Endpoint Management	Update, delete, create, and query access endpoints.
OBS Bucket Management	Obtain the OBS bucket list.
Metric Management	Query event channel monitoring metrics and event subscription monitoring metrics.

3 Calling APIs

[3.1 Making an API Request](#)

[3.2 Authentication](#)

[3.3 Returned Values](#)

3.1 Making an API Request

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

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 the **EU-Dublin** region is **iam.eu-west-101.myhuaweicloud.com**.
- **resource-path:**
Access path of an API for performing a specified operation. Obtain the path from the URI of an API. For example, the **resource-path** of the API used to obtain a user token is **/v3/auth/tokens**.
- **query-string:**
Query parameter, which is optional. Ensure that a question mark (?) is included before each query parameter that is in the format of "*Parameter*".

name=Parameter value". For example, **?limit=10** indicates that a maximum of 10 data records will be displayed.

 **NOTE**

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

Request Methods

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

- **GET**: requests a server to return specified resources.
- **PUT**: requests a server to update specified resources.
- **POST**: requests a server to add resources or perform special operations.
- **DELETE**: requests a server to delete specified resources, for example, to delete an object.
- **HEAD**: requests a server resource header.
- **PATCH**: requests a server to update a part of a specified resource. If the resource does not exist, a new resource will be created.

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

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

Request Header

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

Common request headers are as follows:

- **Content-Type**: specifies the request body type or format. This field is mandatory and its default value is **application/json**. Other values of this field will be provided for specific APIs if any.
- **X-Auth-Token**: specifies a user token only for token-based API authentication. The user token is a response to the API used to . This API is the only one that does not require authentication.

 **NOTE**

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

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

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

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

Request Body

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

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

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

NOTE

The **scope** parameter specifies where a token takes effect. In the following example, the token takes effect only for the resources in a specified project. For more information about this API, see [Obtaining a User Token](#).

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

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

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

3.2 Authentication

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

- Token authentication: Requests are authenticated using tokens.
- AK/SK authentication: Requests are encrypted using an AK/SK. AK/SK authentication is recommended because it is more secure than token authentication.

Token Authentication

NOTE

A token is valid for 24 hours. If a token is required, the system caches the token to avoid frequent calling.

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

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

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

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

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

AK/SK Authentication

NOTE

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

AK/SK is used to sign requests and the signature is then added to the request headers for authentication.

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

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

NOTICE

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

3.3 Returned Values

Status Codes

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

A status code is a group of digits, ranging from 1xx to 5xx. It indicates the status of a request. For more information, see [7.1 Status Codes](#).

If status code **201** is returned for the calling of the API for [obtaining a user token](#), the request is successful.

Response Headers

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

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

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

```
connection → keep-alive
content-type → application/json
date → Tue, 12 Feb 2019 06:52:13 GMT
server → Web Server
strict-transport-security → max-age=31536000; includeSubdomains;
transfer-encoding → chunked
via → proxy A
x-content-type-options → nosniff
x-download-options → noopen
x-frame-options → SAMEORIGIN
x-iam-trace-id → 218d45ab-d674-4995-af3a-2d0255ba41b5
x-subject-token → MIIVXQYJKoZIhvcNAQcCoIIYtJCCGEOCAQExDTALBglghkgBZQMEAgEwgharBgkqhkiG9w0BBwGgghacBIIWmHsidG9rZW4iOensiZXhwaXJlc19hdCI6IiwMTktMDItMTNUMC
fj3KJ56YgKnpVNRbW2eZ5eb78S2OKajACgkIQ01wi4JIGzrpd1.8LGXK5bdfq4lqHCYb8P4NaYONYeJcAgz/VeFYtLWT1GSO0zxKZmlQHq82HBqHdgIZO9fuEebL5dMhdavj+33wEI
xHRCE9I87o+k9-
j+CMZSEB7bUGd5Uj6eRASXl1jipPEGA270g1FruooL6jggIFKNPQuFSOU8+uSsttVwRtnfsC+qTp22Rkd5MCqFGQ8LcuUxC3a+9CMBnOintWW7oeRUUVhVpxk8pxiX1wTEboX-
RzT6MUbpvGw-oPNFYxJECKnoH3HRozv0vN--n5d6Nbxg==
x-xss-protection → 1; mode=block;
```

Response Body (Optional)

A response body is generally returned in a structured format corresponding to the **Content-Type** in the response header and is used to transfer content other than the response header.

The following is part of the response body for the API used to [obtain a user token](#). The following shows part of the response body for the API to obtain a user token.

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

```

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

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

4 Getting Started

Application Scenario

You can create a custom event source based on service requirements.

For details on how to call APIs, see [3 Calling APIs](#).

Prerequisites

- IAM endpoint obtained from "Regions and Endpoints".
- EG endpoint obtained from "Regions and Endpoints".

Creating an Event Source

Step 1 Create a custom channel by calling the [event channel creation](#) API.

```
POST https://{endpoint}/v1/{project_id}/channels
```

```
{  
  "name" : "channel",  
  "description" : "first channel"  
}
```

- name: custom channel name.
- description: description of a custom channel.

Step 2 Create a custom event source by calling the [event source creation](#) API.

```
POST https://{endpoint}/v1/{project_id}/sources
```

```
{  
  "name" : "first-source",  
  "description" : "first event source",  
  "channal_id" : "bd14144e-8f3c-43d6-bdfd-bf09b52c2b96"  
}
```

- name: custom event source name.
- description: description of a custom event source.
- channal_id: Obtain the channel ID from the response of [Step 1](#).

----End

5 APIs

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- [5.2 Event Channel Management](#)
- [5.3 Event Management](#)
- [5.4 Event Source Management](#)
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- [5.12 Endpoint Management](#)
- [5.13 OBS Bucket Management](#)
- [5.14 Metric Management](#)

5.1 Event Subscription Management

5.1.1 Creating an Event Subscription

Function

This API is used to create an event subscription.

URI

POST /v1/{project_id}/subscriptions

Table 5-1 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-2 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-3 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the event subscription. The value must be unique under a tenant. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit. Minimum: 1 Maximum: 128
description	No	String	Description of the event subscription. Maximum: 255
channel_id	Yes	String	ID of the event channel to which the event subscription belongs.
sources	Yes	Array of SubscriptionSource objects	List of event subscription sources. Currently, only one event source can be subscribed to.

Parameter	Mandatory	Type	Description
targets	Yes	Array of Subscription Target objects	List of event subscription targets. At least one event target must be subscribed to.

Table 5-4 SubscriptionSource

Parameter	Mandatory	Type	Description
id	No	String	ID of the subscription source, which must be globally unique. If the subscription source with the specified ID exists, the subscription source is updated. Otherwise, the subscription source is created. If no ID is specified, the system automatically generates an ID when creating the subscription source. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. Minimum: 32 Maximum: 64
name	Yes	String	Name of the event subscription source. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription source. Enumeration values: <ul style="list-style-type: none"> • CUSTOM • OFFICIAL
detail	No	Object	List of event subscription source parameters. The total length of this field after serialization cannot exceed 1024 bytes.
filter	Yes	Object	Filtering rule of the event subscription source. The total length of this field after serialization cannot exceed 2048 bytes.

Table 5-5 SubscriptionTarget

Parameter	Mandatory	Type	Description
id	No	String	Subscription target ID. The value must be globally unique. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. In the subscription update scenario, if the subscription target with the specified ID exists, the subscription target is updated. Otherwise, the subscription target is created. If no ID is specified, the system automatically generates an ID when creating the subscription target. If an ID is specified, the ID is used as the subscription target ID. This field is ignored when the subscription target is updated. Minimum: 32 Maximum: 64
name	Yes	String	Name of the event subscription target. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription target. Enumeration values: <ul style="list-style-type: none"> • CUSTOM • OFFICIAL
connection_id	No	String	Connection ID used by the event subscription target. Maximum: 64
detail	Yes	Object	List of event subscription target parameters. The total length of this field after serialization cannot exceed 1024 bytes.
transform	Yes	Transform object	Transform rule of the event subscription target.

Table 5-6 TransForm

Parameter	Mandatory	Type	Description
type	Yes	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	No	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	No	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Response Parameters

Status code: 200

Table 5-7 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-8 Response body parameters

Parameter	Type	Description
id	String	Subscription ID.
name	String	Subscription name.
description	String	Description of the subscription.
type	String	Subscription type. Enumeration values: <ul style="list-style-type: none"> • EVENT • SCHEDULED
status	String	Status. Enumeration values: <ul style="list-style-type: none"> • CREATED • ENABLED • DISABLED • FROZEN • ERROR
channel_id	String	ID of the event channel.
channel_name	String	Name of the event channel.
used	Array of SubscriptionUsedInfo objects	Label information.
sources	Array of SubscriptionSourceInfo objects	List of subscription sources.
targets	Array of SubscriptionTargetInfo objects	List of subscription targets.
created_time	String	Time when the trigger is created.
updated_time	String	Time when the trigger is updated.

Table 5-9 SubscriptionUsedInfo

Parameter	Type	Description
resource_id	String	Associated resource ID.

Parameter	Type	Description
owner	String	Management tenant account.
description	String	Description.

Table 5-10 SubscriptionSourceInfo

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-11 SubscriptionTargetInfo

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-12 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-13 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-14 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-15 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-16 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-17 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create an event subscription with a specified channel.

```
/v1/{project_id}/subscriptions
{
  "channel_id": "{{channel-id}}",
  "description": "",
  "name": "name",
  "sources": [ {
    "id": null,
    "name": "{{source-name}}",
    "detail": { },
    "filter": {
      "source": [ {
        "op": "StringIn",
        "values": [ "{{source-name}}" ]
      } ]
    }
  },
  "provider_type": "CUSTOM"
},
"targets": [ {
  "id": null,
  "detail": {
    "url": "https://aaa.com"
  },
  "name": "HTTPS",
  "provider_type": "CUSTOM",
  "transform": {
    "type": "ORIGINAL",
    "value": ""
  }
} ]
} ]
}
```

Example Responses

Status code: 400

```
{
  "error_code": "EG.00014000",
  "error_msg": "Bad request"
}
```

Status code: 401

```
{
  "error_code": "EG.00014010",
  "error_msg": "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code": "EG.00014030",
```

```
"error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Demo Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.2 Obtaining the Event Subscription List

Function

This API is used to obtain the event subscription list. An event channel can be specified.

URI

GET /v1/{project_id}/subscriptions

Table 5-18 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-19 Query Parameters

Parameter	Mandatory	Type	Description
channel_id	No	String	ID of the event channel.
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
name	No	String	Name of the event subscription. It is used for exact match.
fuzzy_name	No	String	Name of the event subscription. It is used for fuzzy match.

Request Parameters

Table 5-20 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-21 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of SubscriptionInfo objects	Object list.

Table 5-22 SubscriptionInfo

Parameter	Type	Description
id	String	Subscription ID.
name	String	Subscription name.
description	String	Description of the subscription.
type	String	Subscription type. Enumeration values: <ul style="list-style-type: none"> • EVENT • SCHEDULED
status	String	Status. Enumeration values: <ul style="list-style-type: none"> • CREATED • ENABLED • DISABLED • FROZEN • ERROR
channel_id	String	ID of the event channel.
channel_name	String	Name of the event channel.

Parameter	Type	Description
used	Array of SubscriptionUsedInfo objects	Label information.
sources	Array of SubscriptionSourceInfo objects	List of subscription sources.
targets	Array of SubscriptionTargetInfo objects	List of subscription targets.
created_time	String	Time when the trigger is created.
updated_time	String	Time when the trigger is updated.

Table 5-23 SubscriptionUsedInfo

Parameter	Type	Description
resource_id	String	Associated resource ID.
owner	String	Management tenant account.
description	String	Description.

Table 5-24 SubscriptionSourceInfo

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-25 SubscriptionTargetInfo

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-26 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> ● ORIGINAL ● CONSTANT ● VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-27 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-28 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-29 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-30 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-31 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.3 Updating an Event Subscription

Function

This API is used to update an event subscription.

URI

PUT /v1/{project_id}/subscriptions/{subscription_id}

Table 5-32 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.

Request Parameters

Table 5-33 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-34 Request body parameters

Parameter	Mandatory	Type	Description
description	No	String	Description of the event subscription. Maximum: 255
sources	No	Array of SubscriptionSource objects	List of event subscription sources. If this field exists, all subscription sources are updated.
targets	No	Array of SubscriptionTarget objects	List of event subscription targets. If this field exists, all subscription targets are updated.

Table 5-35 SubscriptionSource

Parameter	Mandatory	Type	Description
id	No	String	ID of the subscription source, which must be globally unique. If the subscription source with the specified ID exists, the subscription source is updated. Otherwise, the subscription source is created. If no ID is specified, the system automatically generates an ID when creating the subscription source. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. Minimum: 32 Maximum: 64
name	Yes	String	Name of the event subscription source. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription source. Enumeration values: <ul style="list-style-type: none"> ● CUSTOM ● OFFICIAL
detail	No	Object	List of event subscription source parameters. The total length of this field after serialization cannot exceed 1024 bytes.
filter	Yes	Object	Filtering rule of the event subscription source. The total length of this field after serialization cannot exceed 2048 bytes.

Table 5-36 SubscriptionTarget

Parameter	Mandatory	Type	Description
id	No	String	Subscription target ID. The value must be globally unique. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. In the subscription update scenario, if the subscription target with the specified ID exists, the subscription target is updated. Otherwise, the subscription target is created. If no ID is specified, the system automatically generates an ID when creating the subscription target. If an ID is specified, the ID is used as the subscription target ID. This field is ignored when the subscription target is updated. Minimum: 32 Maximum: 64
name	Yes	String	Name of the event subscription target. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription target. Enumeration values: <ul style="list-style-type: none"> • CUSTOM • OFFICIAL
connection_id	No	String	Connection ID used by the event subscription target. Maximum: 64
detail	Yes	Object	List of event subscription target parameters. The total length of this field after serialization cannot exceed 1024 bytes.
transform	Yes	Transform object	Transform rule of the event subscription target.

Table 5-37 TransForm

Parameter	Mandatory	Type	Description
type	Yes	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	No	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	No	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Response Parameters

Status code: 200

Table 5-38 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-39 Response body parameters

Parameter	Type	Description
id	String	Subscription ID.
name	String	Subscription name.
description	String	Description of the subscription.
type	String	Subscription type. Enumeration values: <ul style="list-style-type: none"> • EVENT • SCHEDULED
status	String	Status. Enumeration values: <ul style="list-style-type: none"> • CREATED • ENABLED • DISABLED • FROZEN • ERROR
channel_id	String	ID of the event channel.
channel_name	String	Name of the event channel.
used	Array of SubscriptionUsedInfo objects	Label information.
sources	Array of SubscriptionSourceInfo objects	List of subscription sources.
targets	Array of SubscriptionTargetInfo objects	List of subscription targets.
created_time	String	Time when the trigger is created.
updated_time	String	Time when the trigger is updated.

Table 5-40 SubscriptionUsedInfo

Parameter	Type	Description
resource_id	String	Associated resource ID.

Parameter	Type	Description
owner	String	Management tenant account.
description	String	Description.

Table 5-41 SubscriptionSourceInfo

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-42 SubscriptionTargetInfo

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-43 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-44 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-45 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-46 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-47 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-48 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update an event subscription.

```
/v1/{project_id}/subscriptions/{subscription_id}
```

```
{
  "description" : "updated_description",
  "sources" : [ {
    "id" : "{{source-id}}",
    "name" : "{{source-name}}",
    "provider_type" : "CUSTOM",
    "detail" : { },
    "filter" : {
      "source" : [ {
        "op" : "StringIn",
        "values" : [ "{{source-name}}" ]
      } ]
    }
  } ],
  "targets" : [ {
    "id" : null,
    "name" : "HTTPS",
    "provider_type" : "CUSTOM",
    "detail" : {
      "url" : "https://aaa.com"
    },
    "transform" : {
      "type" : "ORIGINAL"
    }
  } ]
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.4 Obtaining Event Subscription Details

Function

This API is used to obtain the details of an event subscription.

URI

GET /v1/{project_id}/subscriptions/{subscription_id}

Table 5-49 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.

Request Parameters

Table 5-50 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-51 Response body parameters

Parameter	Type	Description
id	String	Subscription ID.
name	String	Subscription name.
description	String	Description of the subscription.
type	String	Subscription type. Enumeration values: <ul style="list-style-type: none"> ● EVENT ● SCHEDULED
status	String	Status. Enumeration values: <ul style="list-style-type: none"> ● CREATED ● ENABLED ● DISABLED ● FROZEN ● ERROR
channel_id	String	ID of the event channel.
channel_name	String	Name of the event channel.

Parameter	Type	Description
used	Array of SubscriptionUsedInfo objects	Label information.
sources	Array of SubscriptionSourceInfo objects	List of subscription sources.
targets	Array of SubscriptionTargetInfo objects	List of subscription targets.
created_time	String	Time when the trigger is created.
updated_time	String	Time when the trigger is updated.

Table 5-52 SubscriptionUsedInfo

Parameter	Type	Description
resource_id	String	Associated resource ID.
owner	String	Management tenant account.
description	String	Description.

Table 5-53 SubscriptionSourceInfo

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-54 SubscriptionTargetInfo

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-55 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-56 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-57 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-58 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-59 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-60 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.5 Deleting an Event Subscription

Function

This API is used to delete an event subscription.

URI

DELETE /v1/{project_id}/subscriptions/{subscription_id}

Table 5-61 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.

Request Parameters

Table 5-62 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400**Table 5-63** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-64 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-65** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-66 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-67** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.6 Updating an Event Subscription Source

Function

This API is used to update an event subscription source.

URI

PUT /v1/{project_id}/subscriptions/{subscription_id}/sources/{source_id}

Table 5-68 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.
source_id	Yes	String	ID of the event subscription source.

Request Parameters

Table 5-69 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-70 Request body parameters

Parameter	Mandatory	Type	Description
id	No	String	ID of the subscription source, which must be globally unique. If the subscription source with the specified ID exists, the subscription source is updated. Otherwise, the subscription source is created. If no ID is specified, the system automatically generates an ID when creating the subscription source. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. Minimum: 32 Maximum: 64
name	Yes	String	Name of the event subscription source. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription source. Enumeration values: <ul style="list-style-type: none"> • CUSTOM • OFFICIAL
detail	No	Object	List of event subscription source parameters. The total length of this field after serialization cannot exceed 1024 bytes.
filter	Yes	Object	Filtering rule of the event subscription source. The total length of this field after serialization cannot exceed 2048 bytes.

Response Parameters

Status code: 200

Table 5-71 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-72 Response body parameters

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Status code: 400

Table 5-73 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-74 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-75** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-76 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-77 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update an event subscription source.

```
/v1/{project_id}/subscriptions/{subscription_id}/sources/{source_id}
```

```
{
  "id": "{{sub-source-id}}",
  "name": "{{sub-source-name}}",
  "provider_type": "CUSTOM",
  "detail": {
    "test": "001"
  },
  "filter": {
    "source": [ {
      "op": "StringIn",
      "values": [ "{{sub-source-name}}" ]
    } ]
  }
}
```

Example Responses

Status code: 400

```
{
  "error_code": "EG.00014000",
  "error_msg": "Bad request"
}
```

Status code: 401

```
{
  "error_code": "EG.00014010",
  "error_msg": "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code": "EG.00014030",
  "error_msg": "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code": "EG.00014040",
  "error_msg": "Not request resource found"
}
```

Status code: 500

```
{
  "error_code": "EG.00015000",
  "error_msg": "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.

Status Code	Description
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.7 Creating an Event Subscription Target

Function

This API is used to create an event subscription target.

URI

POST /v1/{project_id}/subscriptions/{subscription_id}/targets

Table 5-78 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.

Request Parameters

Table 5-79 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-80 Request body parameters

Parameter	Mandatory	Type	Description
id	No	String	Subscription target ID. The value must be globally unique. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. In the subscription update scenario, if the subscription target with the specified ID exists, the subscription target is updated. Otherwise, the subscription target is created. If no ID is specified, the system automatically generates an ID when creating the subscription target. If an ID is specified, the ID is used as the subscription target ID. This field is ignored when the subscription target is updated. Minimum: 32 Maximum: 64
name	Yes	String	Name of the event subscription target. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription target. Enumeration values: <ul style="list-style-type: none"> • CUSTOM • OFFICIAL
connection_id	No	String	Connection ID used by the event subscription target. Maximum: 64
detail	Yes	Object	List of event subscription target parameters. The total length of this field after serialization cannot exceed 1024 bytes.
transform	Yes	Transform object	Transform rule of the event subscription target.

Table 5-81 TransForm

Parameter	Mandatory	Type	Description
type	Yes	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	No	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	No	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Response Parameters

Status code: 200

Table 5-82 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-83 Response body parameters

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-84 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> ● ORIGINAL ● CONSTANT ● VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-85 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-86 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-87 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-88 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-89 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create an event subscription target.

```
/v1/{project_id}/subscriptions/{subscription_id}/targets
{
  "id" : null,
  "name" : "HTTPS",
  "provider_type" : "CUSTOM",
  "detail" : {
    "url" : "https://www.ccc.com"
  },
  "transform" : {
    "type" : "ORIGINAL",
    "value" : ""
  }
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
```

```
"error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.8 Updating an Event Subscription Target

Function

This API is used to update an event subscription target.

URI

PUT /v1/{project_id}/subscriptions/{subscription_id}/targets/{target_id}

Table 5-90 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.

Parameter	Mandatory	Type	Description
target_id	Yes	String	ID of the event subscription target.

Request Parameters

Table 5-91 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-92 Request body parameters

Parameter	Mandatory	Type	Description
id	No	String	Subscription target ID. The value must be globally unique. Only lowercase letters, digits, and hyphens (-) are allowed. It must start with a letter or digit. In the subscription update scenario, if the subscription target with the specified ID exists, the subscription target is updated. Otherwise, the subscription target is created. If no ID is specified, the system automatically generates an ID when creating the subscription target. If an ID is specified, the ID is used as the subscription target ID. This field is ignored when the subscription target is updated. Minimum: 32 Maximum: 64

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the event subscription target. Maximum: 128
provider_type	Yes	String	Provider type of the event subscription target. Enumeration values: <ul style="list-style-type: none"> • CUSTOM • OFFICIAL
connection_id	No	String	Connection ID used by the event subscription target. Maximum: 64
detail	Yes	Object	List of event subscription target parameters. The total length of this field after serialization cannot exceed 1024 bytes.
transform	Yes	TransForm object	Transform rule of the event subscription target.

Table 5-93 TransForm

Parameter	Mandatory	Type	Description
type	Yes	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE

Parameter	Mandatory	Type	Description
value	No	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	No	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Response Parameters

Status code: 200

Table 5-94 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-95 Response body parameters

Parameter	Type	Description
id	String	ID of the event subscription target.

Parameter	Type	Description
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	Transform object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-96 Transform

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> ● ORIGINAL ● CONSTANT ● VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-97 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-98 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-99 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-100 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-101 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update an event subscription target.

```
/v1/{project_id}/subscriptions/{subscription_id}/targets/{target_id}
{
  "id" : null,
  "name" : "HTTPS",
  "provider_type" : "CUSTOM",
  "detail" : {
    "url" : "https://www.ddd.com"
  },
  "transform" : {
    "type" : "ORIGINAL",
    "value" : ""
  }
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
```

```
"error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.9 Obtaining Event Subscription Target Details

Function

This API is used to obtain the details of an event subscription target.

URI

GET /v1/{project_id}/subscriptions/{subscription_id}/targets/{target_id}

Table 5-102 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.

Parameter	Mandatory	Type	Description
target_id	Yes	String	ID of the event subscription target.

Request Parameters

Table 5-103 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-104 Response body parameters

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	Transform object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-105 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-106 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-107 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-108 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-109 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-110 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.

Status Code	Description
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.1.10 Deleting an Event Subscription Target

Function

This API is used to delete an event subscription target.

URI

DELETE /v1/{project_id}/subscriptions/{subscription_id}/targets/{target_id}

Table 5-111 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
subscription_id	Yes	String	ID of the event subscription.
target_id	Yes	String	ID of the event subscription target.

Request Parameters

Table 5-112 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400

Table 5-113 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-114 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-115 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-116 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-117 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.2 Event Channel Management

5.2.1 Creating a Custom Event Channel

Function

This API is used to create a custom event channel.

URI

POST /v1/{project_id}/channels

Table 5-118 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-119 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-120 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the event channel. The value must be unique under a tenant. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot be default. Minimum: 1 Maximum: 128
description	No	String	Description of the event channel. Maximum: 255

Response Parameters

Status code: 200

Table 5-121 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-122 Response body parameters

Parameter	Type	Description
id	String	ID of the event channel.
name	String	Name of the event channel.
description	String	Description of the event channel.
provider_type	String	Type of the event channel provider, which can be OFFICIAL (official event channel) or CUSTOM (custom event channel). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
created_time	String	UTC time when the event channel is created.
updated_time	String	UTC time when the event channel is updated.

Status code: 400

Table 5-123 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-124 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-125 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-126 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-127 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create an event channel.

```
/v1/{project_id}/channels
```

```
{  
  "name" : "test",  
  "description" : "test"  
}
```

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Demo Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.2.2 Obtaining the Event Channel List

Function

This API is used to obtain the list of event channels, including system channels and custom channels.

URI

GET /v1/{project_id}/channels

Table 5-128 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-129 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
provider_type	No	String	Type of the provider. Enumeration values: <ul style="list-style-type: none">• OFFICIAL• CUSTOM
name	No	String	Name of the event channel. It is used for exact match.

Parameter	Mandatory	Type	Description
fuzzy_name	No	String	Name of the event channel. It is used for fuzzy match.

Request Parameters

Table 5-130 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-131 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of ChannelInfo objects	Object list.

Table 5-132 ChannelInfo

Parameter	Type	Description
id	String	ID of the event channel.

Parameter	Type	Description
name	String	Name of the event channel.
description	String	Description of the event channel.
provider_type	String	Type of the event channel provider, which can be OFFICIAL (official event channel) or CUSTOM (custom event channel). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
created_time	String	UTC time when the event channel is created.
updated_time	String	UTC time when the event channel is updated.

Status code: 400

Table 5-133 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-134 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-135 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-136 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-137 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.2.3 Updating a Custom Event Channel

Function

This API is used to update a custom event channel.

URI

PUT /v1/{project_id}/channels/{channel_id}

Table 5-138 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
channel_id	Yes	String	ID of the event channel.

Request Parameters

Table 5-139 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-140 Request body parameters

Parameter	Mandatory	Type	Description
description	No	String	Description of the event channel. Maximum: 255

Response Parameters

Status code: 200

Table 5-141 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-142 Response body parameters

Parameter	Type	Description
id	String	ID of the event channel.
name	String	Name of the event channel.
description	String	Description of the event channel.
provider_type	String	Type of the event channel provider, which can be OFFICIAL (official event channel) or CUSTOM (custom event channel). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
created_time	String	UTC time when the event channel is created.
updated_time	String	UTC time when the event channel is updated.

Status code: 400

Table 5-143 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-144 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-145 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404**Table 5-146** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-147** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update an event channel.

```
/v1/{project_id}/channels/{channel_id}
{
  "description" : "new"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information

Status Code	Description
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.2.4 Obtaining Event Channel Details

Function

This API is used to obtain the details about an event channel.

URI

GET /v1/{project_id}/channels/{channel_id}

Table 5-148 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
channel_id	Yes	String	ID of the event channel.

Request Parameters

Table 5-149 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-150 Response body parameters

Parameter	Type	Description
id	String	ID of the event channel.
name	String	Name of the event channel.
description	String	Description of the event channel.
provider_type	String	Type of the event channel provider, which can be OFFICIAL (official event channel) or CUSTOM (custom event channel). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
created_time	String	UTC time when the event channel is created.
updated_time	String	UTC time when the event channel is updated.

Status code: 400

Table 5-151 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-152 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-153 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-154 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-155 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.2.5 Deleting a Custom Event Channel

Function

This API is used to delete a custom event channel.

URI

DELETE /v1/{project_id}/channels/{channel_id}

Table 5-156 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
channel_id	Yes	String	ID of the event channel.

Request Parameters

Table 5-157 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400

Table 5-158 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-159 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-160 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-161 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-162 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.3 Event Management

5.3.1 Publishing an Event to an Event Channel

Function

This API is used to publish an event to an event channel.

URI

POST /v1/{project_id}/channels/{channel_id}/events

Table 5-163 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
channel_id	Yes	String	ID of the event channel.

Request Parameters

Table 5-164 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-165 Request body parameters

Parameter	Mandatory	Type	Description
events	No	Array of CloudEvents objects	CloudEvents event format definition. For details, see https://github.com/cloudevents/spec/blob/v1.0.1/spec.md .

Table 5-166 CloudEvents

Parameter	Mandatory	Type	Description
id	Yes	String	Event ID. The ID must be unique for the same event source.
source	Yes	String	Event source. The combination of source and id uniquely identifies an event. The URI-Reference format is used. For details, see https://tools.ietf.org/html/rfc3986#section-4.1 .
specversion	Yes	String	CloudEvents protocol version. The format is major.minor.
type	Yes	String	Event type.

Parameter	Mandatory	Type	Description
datacontenttype	No	String	Event content format. Events use the MIME format and comply with RFC 2046. For details, see https://tools.ietf.org/html/rfc2046 .
dataschema	No	String	URI defined by the event content schema, which complies with RFC 3986. For details, see https://tools.ietf.org/html/rfc3986#section-4.3 .
data	No	Object	Event payload content, which uses the format specified by the datacontenttype field. The content field complies with the description of the dataschema field.
time	No	String	UTC time when the event occurs. Events from the same source have the same format, which complies with RFC 3339. An example format is 2018-04-05T17:31:00Z. For details, see https://tools.ietf.org/html/rfc3339 .
subject	No	String	Subject or object where the event occurs.

Response Parameters

Status code: 200

Table 5-167 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-168 Response body parameters

Parameter	Type	Description
failed_count	Integer	Number of events that fail to be published.
events	Array of events objects	Event list.

Table 5-169 events

Parameter	Type	Description
error_code	String	Error code displayed for the publishing failure.
error_msg	String	Cause of the publishing failure.
event_id	String	Unique ID of the event.

Status code: 400

Table 5-170 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-171 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-172** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-173 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-174** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Publish events from a specified source to a channel.

```
/v1/{project_id}/channels/{channel_id}/events
```

```
{
  "events": [ {
    "specversion": "1.0",
    "id": "eventid",
    "source": "{{source-name}}",
    "type": "blob_created",
    "data": {
      "name": "values"
    },
    "subject": "myevent.jpg"
  } ]
}
```

Example Responses

Status code: 400

```
{
  "error_code": "EG.00014000",
  "error_msg": "Bad request"
}
```

Status code: 401

```
{
  "error_code": "EG.00014010",
  "error_msg": "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code": "EG.00014030",
  "error_msg": "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code": "EG.00014040",
  "error_msg": "Not request resource found"
}
```

Status code: 500

```
{
  "error_code": "EG.00015000",
  "error_msg": "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.

Status Code	Description
500	Internal service error.

Error Codes

See [Error Codes](#).

5.3.2 Publishing an Official Event to an Event Channel

Function

This API is used to publish an official event to an event channel.

URI

POST /v1/{project_id}/official/sources/{source_name}/events

Table 5-175 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
source_name	Yes	String	Name of the event source.

Request Parameters

Table 5-176 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-177 Request body parameters

Parameter	Mandatory	Type	Description
events	No	Array of CloudEvents objects	CloudEvents event format definition. For details, see https://github.com/cloudevents/spec/blob/v1.0.1/spec.md .

Table 5-178 CloudEvents

Parameter	Mandatory	Type	Description
id	Yes	String	Event ID. The ID must be unique for the same event source.
source	Yes	String	Event source. The combination of source and id uniquely identifies an event. The URI-Reference format is used. For details, see https://tools.ietf.org/html/rfc3986#section-4.1 .
specversion	Yes	String	CloudEvents protocol version. The format is major.minor.
type	Yes	String	Event type.
datacontenttype	No	String	Event content format. Events use the MIME format and comply with RFC 2046. For details, see https://tools.ietf.org/html/rfc2046 .
dataschema	No	String	URI defined by the event content schema, which complies with RFC 3986. For details, see https://tools.ietf.org/html/rfc3986#section-4.3 .
data	No	Object	Event payload content, which uses the format specified by the datacontenttype field. The content field complies with the description of the dataschema field.

Parameter	Mandatory	Type	Description
time	No	String	UTC time when the event occurs. Events from the same source have the same format, which complies with RFC 3339. An example format is 2018-04-05T17:31:00Z. For details, see https://tools.ietf.org/html/rfc3339 .
subject	No	String	Subject or object where the event occurs.

Response Parameters

Status code: 200

Table 5-179 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-180 Response body parameters

Parameter	Type	Description
failed_count	Integer	Number of events that fail to be published.
events	Array of events objects	Event list.

Table 5-181 events

Parameter	Type	Description
error_code	String	Error code displayed for the publishing failure.
error_msg	String	Cause of the publishing failure.
event_id	String	Unique ID of the event.

Status code: 400

Table 5-182 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-183** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-184 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-185 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-186 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
```



```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.3.3 Prechecking Event Publishing Status

Function

This API is used to precheck whether the events from an event source can be published successfully. For example, an event can be published successfully only if there is a subscription to the event source.

URI

POST /v1/{project_id}/events/check

Table 5-187 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-188 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-189 Request body parameters

Parameter	Mandatory	Type	Description
sources	No	Array of sources objects	List of event sources.

Table 5-190 sources

Parameter	Mandatory	Type	Description
channel_id	No	String	ID of the event channel.
source_name	No	String	Name of the event source.

Response Parameters

Status code: 200

Table 5-191 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-192 Response body parameters

Parameter	Type	Description
failed_count	Integer	Number of events that fail the precheck.
sources	Array of CheckPutEventsResult objects	Event publishing precheck results.

Table 5-193 CheckPutEventsResult

Parameter	Type	Description
channel_id	String	ID of the event channel.
source_name	String	Name of the event source.
check_result	Boolean	Result indicating whether the event will be successfully published.
check_detail	String	Details about the precheck result.

Status code: 400

Table 5-194 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-195 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-196 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-197 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-198** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Precheck event publishing status.

```
/v1/{project_id}/events/check
```

```
{
  "sources" : [ {
    "channel_id" : "{{source-id}}",
    "source_name" : "{{source-name}}"
  } ]
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.4 Event Source Management

5.4.1 Creating a Custom Event Source

Function

This API is used to create a custom event source, which must use a custom event channel.

URI

POST /v1/{project_id}/sources

Table 5-199 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-200 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-201 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the custom event source. The value must be unique under a tenant. Only lowercase letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with hc.. Minimum: 1 Maximum: 128
description	No	String	Description of the event source. Maximum: 255
channel_id	Yes	String	ID of the event channel to which the event source belongs.
type	No	String	Type of the event source. Default: APPLICATION Enumeration values: <ul style="list-style-type: none"> • APPLICATION • RABBITMQ • ROCKETMQ
detail	No	Object	Connection information encapsulated in JSON format in the message instance, such as the instance_id field of the RabbitMQ instance, vhost field of the virtual host, queue field, username, and password.

Response Parameters

Status code: 200

Table 5-202 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-203 Response body parameters

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the event source.
label	String	Label of the event source.
description	String	Description of the event source.
provider_type	String	Type of the event source provider, which can be OFFICIAL (official cloud service event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
event_types	Array of event_types objects	List of event types provided by the event source. Only the official cloud service event source provides event types.
created_time	String	UTC time when the event source is created.
updated_time	String	UTC time when the event source is updated.
channel_id	String	ID of the event channel to which the event source belongs.
channel_name	String	Name of the event channel to which the event source belongs.
type	String	Type of the event source.
detail	Object	Connection information encapsulated in JSON format in the message instance, such as the instance_id field of the RabbitMQ instance, vhost field of the virtual host, queue field, username, and password.
status	String	Status of the custom event source. Enumeration values: <ul style="list-style-type: none"> • CREATE_FAILED • RUNNING • ERROR

Table 5-204 event_types

Parameter	Type	Description
name	String	Name of the event type.

Parameter	Type	Description
description	String	Description of the event type.

Status code: 400**Table 5-205** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-206** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-207 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-208 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-209 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create an event source with a specified custom channel.

```
/v1/{project_id}/sources
{
  "name" : "name",
  "description" : "test",
  "channel_id" : "{{channel-id}}"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.4.2 Obtaining the Event Source List

Function

This API is used to obtain the list of event sources that meet certain conditions. For example, you can specify an event channel ID to obtain all event sources in this event channel.

URI

GET /v1/{project_id}/sources

Table 5-210 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-211 Query Parameters

Parameter	Mandatory	Type	Description
channel_id	No	String	ID of the event channel.
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
provider_type	No	String	Type of the provider. Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
name	No	String	Name of the event source. It is used for exact match.
fuzzy_name	No	String	Name of the event source. It is used for fuzzy match.
fuzzy_label	No	String	Label of the event source. It is used for fuzzy match.

Request Parameters

Table 5-212 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-213 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of CustomizeSourceInfo objects	Object list.

Table 5-214 CustomizeSourceInfo

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the event source.
label	String	Label of the event source.
description	String	Description of the event source.

Parameter	Type	Description
provider_type	String	Type of the event source provider, which can be OFFICIAL (official cloud service event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
event_types	Array of event_types objects	List of event types provided by the event source. Only the official cloud service event source provides event types.
created_time	String	UTC time when the event source is created.
updated_time	String	UTC time when the event source is updated.
channel_id	String	ID of the event channel to which the event source belongs.
channel_name	String	Name of the event channel to which the event source belongs.
type	String	Type of the event source.
detail	Object	Connection information encapsulated in JSON format in the message instance, such as the instance_id field of the RabbitMQ instance, vhost field of the virtual host, queue field, username, and password.
status	String	Status of the custom event source. Enumeration values: <ul style="list-style-type: none"> • CREATE_FAILED • RUNNING • ERROR

Table 5-215 event_types

Parameter	Type	Description
name	String	Name of the event type.
description	String	Description of the event type.

Status code: 400

Table 5-216 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-217 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-218 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404**Table 5-219** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-220 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.4.3 Updating a Custom Event Source

Function

This API is used to update a custom event source.

URI

PUT /v1/{project_id}/sources/{source_id}

Table 5-221 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
source_id	Yes	String	ID of the event source.

Request Parameters

Table 5-222 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-223 Request body parameters

Parameter	Mandatory	Type	Description
description	No	String	Description of the event source. Maximum: 255
detail	No	Object	Updated connection information encapsulated in JSON format in the message instance, such as the instance_id field of the RabbitMQ instance, vhost field of the virtual host, queue field, username, and password.

Response Parameters

Status code: 200

Table 5-224 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-225 Response body parameters

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the event source.
label	String	Label of the event source.
description	String	Description of the event source.
provider_type	String	Type of the event source provider, which can be OFFICIAL (official cloud service event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
event_types	Array of event_types objects	List of event types provided by the event source. Only the official cloud service event source provides event types.
created_time	String	UTC time when the event source is created.
updated_time	String	UTC time when the event source is updated.
channel_id	String	ID of the event channel to which the event source belongs.
channel_name	String	Name of the event channel to which the event source belongs.
type	String	Type of the event source.
detail	Object	Connection information encapsulated in JSON format in the message instance, such as the instance_id field of the RabbitMQ instance, vhost field of the virtual host, queue field, username, and password.
status	String	Status of the custom event source. Enumeration values: <ul style="list-style-type: none"> • CREATE_FAILED • RUNNING • ERROR

Table 5-226 event_types

Parameter	Type	Description
name	String	Name of the event type.

Parameter	Type	Description
description	String	Description of the event type.

Status code: 400**Table 5-227** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-228** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-229 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-230 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-231 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update event source description.

```
/v1/{project_id}/sources/{source_id}
{
  "description" : "new"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
```

```
"error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.4.4 Obtaining Event Source Details

Function

This API is used to obtain the details of an event source.

URI

GET /v1/{project_id}/sources/{source_id}

Table 5-232 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
source_id	Yes	String	ID of the event source.

Request Parameters

Table 5-233 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-234 Response body parameters

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the event source.
label	String	Label of the event source.
description	String	Description of the event source.
provider_type	String	Type of the event source provider, which can be OFFICIAL (official cloud service event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
event_types	Array of event_types objects	List of event types provided by the event source. Only the official cloud service event source provides event types.

Parameter	Type	Description
created_time	String	UTC time when the event source is created.
updated_time	String	UTC time when the event source is updated.
channel_id	String	ID of the event channel to which the event source belongs.
channel_name	String	Name of the event channel to which the event source belongs.
type	String	Type of the event source.
detail	Object	Connection information encapsulated in JSON format in the message instance, such as the instance_id field of the RabbitMQ instance, vhost field of the virtual host, queue field, username, and password.
status	String	Status of the custom event source. Enumeration values: <ul style="list-style-type: none"> • CREATE_FAILED • RUNNING • ERROR

Table 5-235 event_types

Parameter	Type	Description
name	String	Name of the event type.
description	String	Description of the event type.

Status code: 400

Table 5-236 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-237 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-238 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-239 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-240 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.

Status Code	Description
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.4.5 Deleting a Custom Event Source

Function

This API is used to delete a custom event source.

URI

DELETE /v1/{project_id}/sources/{source_id}

Table 5-241 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
source_id	Yes	String	ID of the event source.

Request Parameters

Table 5-242 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400

Table 5-243 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-244 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-245 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-246 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-247 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.5 Event Target Catalog Management

5.5.1 Obtaining the Event Target Catalog

Function

This API is used to obtain the predefined target catalog of an event.

URI

GET /v1/{project_id}/target-catalogs

Table 5-248 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-249 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
fuzzy_label	No	String	Label of the event target. It is used for fuzzy match.

Request Parameters

Table 5-250 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-251 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of CatalogTargetInfo objects	Object list.

Table 5-252 CatalogTargetInfo

Parameter	Type	Description
id	String	ID of the event target catalog.
name	String	Name of the event target catalog. Minimum: 1 Maximum: 128
label	String	Label of the event target catalog. Maximum: 255
description	String	Description of the event target catalog. Maximum: 512
provider_type	String	Provider type, which can be OFFICIAL (official cloud service event target) and CUSTOM (third-party event target). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
parameters	Array of CatalogTargetParameters objects	Event target parameters
created_time	String	UTC time when the catalog is created.
updated_time	String	UTC time when the catalog is updated.

Table 5-253 CatalogTargetParameters

Parameter	Type	Description
name	String	Name of the target parameter. Minimum: 1 Maximum: 128
label	String	Label of the target parameter. Maximum: 255
metadata	Object	Metadata of the target parameter, for example, whether the parameter is mandatory and the text box type.

Status code: 400

Table 5-254 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-255 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-256 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-257 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-258 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6 Event Schema Management

5.6.1 Enabling or Disabling Event Subscriptions

Function

This API is used to enable or disable event subscriptions.

URI

POST /v1/{project_id}/subscriptions/operation

Table 5-259 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-260 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-261 Request body parameters

Parameter	Mandatory	Type	Description
subscription_ids	No	Array of strings	List of subscription IDs. A maximum of 10 subscriptions are supported in batch.
operation	No	String	Operation type. Enumeration values: <ul style="list-style-type: none"> • DISABLE • ENABLE

Response Parameters

Status code: 200

Table 5-262 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-263 Response body parameters

Parameter	Type	Description
failed_count	Integer	Number of subscriptions that fail to be operated.
events	Array of events objects	Event list.

Table 5-264 events

Parameter	Type	Description
error_code	String	Error code.
error_msg	String	Failure cause.
subscription_id	String	Subscription ID.

Status code: 400

Table 5-265 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-266 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-267 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-268 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-269 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Enable or disable event subscriptions by ID.

```
/v1/{project_id}/subscriptions/operation
{
  "subscription_ids" : [ "{{subscription-id}}" ],
  "operation" : "DISABLE"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Demo Information

Status Code	Description
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.2 Creating a Custom Event Schema

Function

This API is used to create a custom event schema.

URI

POST /v1/{project_id}/schemas

Table 5-270 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-271 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-272 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the event schema. The value must be unique under a tenant. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit. Minimum: 1 Maximum: 128
description	No	String	Description of the event schema. Maximum: 255
compatibility	Yes	String	Compatibility of the event schema. Enumeration values: <ul style="list-style-type: none"> • NONE • FORWARD • BACKWARD • FULL
format	No	String	Schema content format. Default: JSON_SCHEMA_DRAFT_6 Enumeration values: <ul style="list-style-type: none"> • JSON_SCHEMA_DRAFT_6
data_sample	No	String	Example event. Maximum: 1024
definition	Yes	String	Event schema content definition. Maximum: 2048

Response Parameters

Status code: **200**

Table 5-273 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-274 Response body parameters

Parameter	Type	Description
id	String	ID of the event schema.
name	String	Name of the event schema. The value must be unique under a tenant.
description	String	Description of the event schema.
compatibility	String	Compatibility of the event schema. Enumeration values: <ul style="list-style-type: none"> • NONE • FORWARD • BACKWARD • FULL
provider_type	String	Type of the event source provider, which can be OFFICIAL (official event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
format	String	Format of the event schema.
number_of_versions	Integer	Number of event schema versions.
created_time	String	Time when the event schema is created.
updated_time	String	Time when the event schema is updated.
data_sample	String	Example event.
version	Integer	Current version number of the event schema.
definition	String	Event schema content definition.

Status code: 400

Table 5-275 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-276 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-277 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404**Table 5-278** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-279 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create a schema.

```
/v1/{project_id}/schemas
{
  "name" : "name",
  "description" : "aaa",
  "compatibility" : "BACKWARD",
  "definition" : "aaa"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Demo Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.3 Obtaining the Event Schema List

Function

This API is used to obtain the list of event schemas, including system event schemas and custom event schemas.

URI

GET /v1/{project_id}/schemas

Table 5-280 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-281 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
provider_type	No	String	Type of the provider. Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
name	No	String	Name of the event schema. It is used for exact match.
fuzzy_name	No	String	Name of the event schema. It is used for fuzzy match.

Request Parameters

Table 5-282 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-283 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of CustomizeSchemaItemInfo objects	Object list.

Table 5-284 CustomizeSchemaItemInfo

Parameter	Type	Description
id	String	ID of the event schema.
name	String	Name of the event schema. The value must be unique under a tenant.
description	String	Description of the event schema.
compatibility	String	Compatibility of the event schema. Enumeration values: <ul style="list-style-type: none"> • NONE • FORWARD • BACKWARD • FULL
provider_type	String	Type of the event source provider, which can be OFFICIAL (official event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
format	String	Format of the event schema.

Parameter	Type	Description
number_of_versions	Integer	Number of event schema versions.
created_time	String	Time when the event schema is created.
updated_time	String	Time when the event schema is updated.

Status code: 400

Table 5-285 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-286 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-287 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-288 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-289** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses**Status code: 400**

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",
```

```
{
  "error_msg": "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code": "EG.00014030",
  "error_msg": "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code": "EG.00014040",
  "error_msg": "Not request resource found"
}
```

Status code: 500

```
{
  "error_code": "EG.00015000",
  "error_msg": "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.4 Updating a Custom Event Schema

Function

This API is used to update a custom event schema.

URI

PUT /v1/{project_id}/schemas/{schema_id}

Table 5-290 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.

Request Parameters

Table 5-291 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-292 Request body parameters

Parameter	Mandatory	Type	Description
description	No	String	Description of the event schema. Maximum: 255
compatibility	No	String	Compatibility of the event schema. Enumeration values: <ul style="list-style-type: none"> • NONE • FORWARD • BACKWARD • FULL

Response Parameters

Status code: 200

Table 5-293 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-294 Response body parameters

Parameter	Type	Description
id	String	ID of the event schema.
name	String	Name of the event schema. The value must be unique under a tenant.
description	String	Description of the event schema.
compatibility	String	Compatibility of the event schema. Enumeration values: <ul style="list-style-type: none"> • NONE • FORWARD • BACKWARD • FULL
provider_type	String	Type of the event source provider, which can be OFFICIAL (official event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
format	String	Format of the event schema.
number_of_versions	Integer	Number of event schema versions.
created_time	String	Time when the event schema is created.
updated_time	String	Time when the event schema is updated.
data_sample	String	Example event.
version	Integer	Current version number of the event schema.
definition	String	Event schema content definition.

Status code: 400

Table 5-295 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-296** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-297 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-298 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-299 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update schema description.

```
/v1/{project_id}/schemas/{schema_id}
{
  "description" : "new description"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
```

```
"error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.5 Obtaining Event Schema Details

Function

This API is used to obtain the details about an event schema.

URI

GET /v1/{project_id}/schemas/{schema_id}

Table 5-300 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.

Request Parameters

Table 5-301 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-302 Response body parameters

Parameter	Type	Description
id	String	ID of the event schema.
name	String	Name of the event schema. The value must be unique under a tenant.
description	String	Description of the event schema.
compatibility	String	Compatibility of the event schema. Enumeration values: <ul style="list-style-type: none"> • NONE • FORWARD • BACKWARD • FULL
provider_type	String	Type of the event source provider, which can be OFFICIAL (official event source) or CUSTOM (custom event source). Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
format	String	Format of the event schema.
number_of_versions	Integer	Number of event schema versions.
created_time	String	Time when the event schema is created.

Parameter	Type	Description
updated_time	String	Time when the event schema is updated.
data_sample	String	Example event.
version	Integer	Current version number of the event schema.
definition	String	Event schema content definition.

Status code: 400

Table 5-303 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-304 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-305 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-306 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-307 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
```

```
"error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.6 Deleting an Event Schema

Function

This API is used to delete an event schema.

URI

```
DELETE /v1/{project_id}/schemas/{schema_id}
```

Table 5-308 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.

Request Parameters

Table 5-309 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400

Table 5-310 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-311** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-312** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-313 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-314** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.7 Creating a Custom Event Schema Version

Function

This API is used to create a custom event schema version. The version number is automatically generated in the background.

URI

POST /v1/{project_id}/schemas/{schema_id}/versions

Table 5-315 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.

Request Parameters

Table 5-316 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-317 Request body parameters

Parameter	Mandatory	Type	Description
data_sample	No	String	Example event. Maximum: 1024
definition	No	String	Event schema content definition. Maximum: 2048

Response Parameters

Status code: 200

Table 5-318 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-319 Response body parameters

Parameter	Type	Description
id	String	ID of the event schema version.
schema_id	String	ID of the event schema.
version	Integer	Version number of the event schema.
format	String	Format of the event schema.
created_time	String	Time when the event schema is created.
updated_time	String	Time when the event schema is updated.
data_sample	String	Example event.
definition	String	Event schema content definition.

Status code: 400

Table 5-320 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-321 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-322 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-323 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-324 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create a schema version.

```
/v1/{project_id}/schemas/{schema_id}/versions
{
  "definition" : "new-version"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Demo Information

Status Code	Description
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.8 Obtaining the Event Schema Version List

Function

This API is used to obtain the list of event schema versions.

URI

GET /v1/{project_id}/schemas/{schema_id}/versions

Table 5-325 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.

Table 5-326 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0

Parameter	Mandatory	Type	Description
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC

Request Parameters

Table 5-327 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-328 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100

Parameter	Type	Description
items	Array of CustomizeSchemaVersionItemInfo objects	Object list.

Table 5-329 CustomizeSchemaVersionItemInfo

Parameter	Type	Description
id	String	ID of the event schema version.
version	Integer	Version number of the event schema.
created_time	String	Time when the event schema is created.
updated_time	String	Time when the event schema is updated.

Status code: 400

Table 5-330 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-331 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-332** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-333 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-334** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.9 Obtaining Event Schema Version Details

Function

This API is used to obtain the details about an event schema version.

URI

GET /v1/{project_id}/schemas/{schema_id}/versions/{version}

Table 5-335 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.
version	Yes	Integer	Version of the event schema.

Request Parameters

Table 5-336 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: **200**

Table 5-337 Response body parameters

Parameter	Type	Description
id	String	ID of the event schema version.
schema_id	String	ID of the event schema.
version	Integer	Version number of the event schema.

Parameter	Type	Description
format	String	Format of the event schema.
created_time	String	Time when the event schema is created.
updated_time	String	Time when the event schema is updated.
data_sample	String	Example event.
definition	String	Event schema content definition.

Status code: 400

Table 5-338 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-339 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-340 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-341 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-342 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
```

```
{  
  "error_msg": "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code": "EG.00014030",  
  "error_msg": "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code": "EG.00014040",  
  "error_msg": "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code": "EG.00015000",  
  "error_msg": "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.10 Deleting an Event Schema Version

Function

This API is used to delete an event schema version.

URI

DELETE /v1/{project_id}/schemas/{schema_id}/versions/{version}

Table 5-343 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
schema_id	Yes	String	ID of the event schema.
version	Yes	Integer	Version of the event schema.

Request Parameters

Table 5-344 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400

Table 5-345 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-346** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-347** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-348 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-349 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.6.11 Starting Automatic Event Schema Discovery

Function

This API is used to start automatic discovery of event schemas.

URI

POST /v1/{project_id}/schema-discover

Table 5-350 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-351 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-352 Request body parameters

Parameter	Mandatory	Type	Description
format	No	String	Format of the event schema. Default: JSON_SCHEMA_DRAFT_6 Enumeration values: • JSON_SCHEMA_DRAFT_6
event	Yes	String	Event data. Maximum: 1024

Response Parameters

Status code: 200

Table 5-353 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-354 Response body parameters

Parameter	Type	Description
definition	String	Schema automatically discovered.

Status code: 400

Table 5-355 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-356 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-357 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-358 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-359** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Start automatic schema discovery.

```
/v1/{project_id}/schema-discover
```

```
{  
  "format" : "JSON_SCHEMA_DRAFT_6",  
  "event" : "{\"fileName\": \"one.jpg\", \"fileSize\": 1048576}"  
}
```

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Demo Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.7 Connection Management

5.7.1 Creating a Connection

Function

This API is used to create a connection.

URI

POST /v1/{project_id}/connections

Table 5-360 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-361 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-362 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the connection. The value must be unique under a tenant. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot be default. Minimum: 1 Maximum: 128
description	No	String	Description of the connection. Maximum: 255
vpc_id	Yes	String	ID of the VPC to be connected. Maximum: 128
subnet_id	Yes	String	ID of the subnet to be connected. Maximum: 128

Response Parameters

Status code: 200

Table 5-363 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-364 Response body parameters

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the connection. The value must be unique under a tenant. Only lowercase letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot be default.
description	String	Description of the connection.

Parameter	Type	Description
status	String	Status of the connection. Enumeration values: <ul style="list-style-type: none"> • CREATING • CREATED • CREATE_FAILED
vpc_id	String	ID of the VPC to be connected.
subnet_id	String	ID of the subnet to be connected.
agency	String	Name of the user agency used by the target private network connection.
flavor	flavor object	Flavor.
created_time	String	UTC time when the connection is created.
updated_time	String	UTC time when the connection is updated.

Table 5-365 flavor

Parameter	Type	Description
name	String	Flavor name.
concurrency_type	String	Concurrent flavor type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive
concurrency	Integer	Number of concurrent requests.
bandwidth_type	String	Bandwidth type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive

Status code: 400

Table 5-366 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-367 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-368 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-369 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-370 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128

Parameter	Type	Description
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create a connection.

```
/v1/{project_id}/connections
{
  "name" : "name",
  "description" : "",
  "subnet_id" : "{{subnet-id}}",
  "vpc_id" : "{{vpc-id}}"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Demo Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.7.2 Obtaining the Connection List

Function

This API is used to obtain the list of connections.

URI

GET /v1/{project_id}/connections

Table 5-371 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-372 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
name	No	String	Name of the connection. It is used for exact match.
fuzzy_name	No	String	Name of the connection. It is used for fuzzy match.

Request Parameters

Table 5-373 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-374 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of ConnectionInfo objects	Object list.

Table 5-375 ConnectionInfo

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the connection. The value must be unique under a tenant. Only lowercase letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot be default.
description	String	Description of the connection.
status	String	Status of the connection. Enumeration values: <ul style="list-style-type: none"> ● CREATING ● CREATED ● CREATE_FAILED
vpc_id	String	ID of the VPC to be connected.
subnet_id	String	ID of the subnet to be connected.
agency	String	Name of the user agency used by the target private network connection.
flavor	flavor object	Flavor.
created_time	String	UTC time when the connection is created.
updated_time	String	UTC time when the connection is updated.

Table 5-376 flavor

Parameter	Type	Description
name	String	Flavor name.
concurrency_type	String	Concurrent flavor type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive
concurrency	Integer	Number of concurrent requests.
bandwidth_type	String	Bandwidth type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive

Status code: 400

Table 5-377 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-378 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-379 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-380 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500**Table 5-381** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.7.3 Updating a Connection

Function

This API is used to update a connection.

URI

PUT /v1/{project_id}/connections/{connection_id}

Table 5-382 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
connection_id	Yes	String	ID of the connection.

Request Parameters

Table 5-383 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-384 Request body parameters

Parameter	Mandatory	Type	Description
description	No	String	Description of the connection. Maximum: 255

Response Parameters

Status code: 200

Table 5-385 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-386 Response body parameters

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the connection. The value must be unique under a tenant. Only lowercase letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot be default.
description	String	Description of the connection.
status	String	Status of the connection. Enumeration values: <ul style="list-style-type: none"> • CREATING • CREATED • CREATE_FAILED
vpc_id	String	ID of the VPC to be connected.
subnet_id	String	ID of the subnet to be connected.
agency	String	Name of the user agency used by the target private network connection.
flavor	flavor object	Flavor.
created_time	String	UTC time when the connection is created.
updated_time	String	UTC time when the connection is updated.

Table 5-387 flavor

Parameter	Type	Description
name	String	Flavor name.
concurrency_type	String	Concurrent flavor type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive

Parameter	Type	Description
concurrency	Integer	Number of concurrent requests.
bandwidth_type	String	Bandwidth type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive

Status code: 400

Table 5-388 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-389 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-390 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-391 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-392 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update connection description.

```
/v1/{project_id}/connections/{connection_id}
{
  "description" : "new description"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Information
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.7.4 Obtaining Connection Details

Function

This API is used to obtain the details about a connection.

URI

GET /v1/{project_id}/connections/{connection_id}

Table 5-393 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
connection_id	Yes	String	ID of the connection.

Request Parameters

Table 5-394 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-395 Response body parameters

Parameter	Type	Description
id	String	ID of the event source.
name	String	Name of the connection. The value must be unique under a tenant. Only lowercase letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot be default.
description	String	Description of the connection.
status	String	Status of the connection. Enumeration values: <ul style="list-style-type: none"> ● CREATING ● CREATED ● CREATE_FAILED
vpc_id	String	ID of the VPC to be connected.

Parameter	Type	Description
subnet_id	String	ID of the subnet to be connected.
agency	String	Name of the user agency used by the target private network connection.
flavor	flavor object	Flavor.
created_time	String	UTC time when the connection is created.
updated_time	String	UTC time when the connection is updated.

Table 5-396 flavor

Parameter	Type	Description
name	String	Flavor name.
concurrency_type	String	Concurrent flavor type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive
concurrency	Integer	Number of concurrent requests.
bandwidth_type	String	Bandwidth type. Enumeration values: <ul style="list-style-type: none"> • shared • exclusive

Status code: 400

Table 5-397 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-398 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-399 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-400 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-401 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.

Status Code	Description
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.7.5 Deleting a Connection

Function

This API is used to delete a connection.

URI

DELETE /v1/{project_id}/connections/{connection_id}

Table 5-402 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
connection_id	Yes	String	ID of the connection.

Request Parameters

Table 5-403 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: **400**

Table 5-404 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-405 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-406 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-407 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-408 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
```



```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.8 Service Agency Management

5.8.1 Obtaining the Service Agency List

Function

This API is used to obtain the list of service agencies.

URI

GET /v1/{project_id}/service-agencies

Table 5-409 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-410 Query Parameters

Parameter	Mandatory	Type	Description
type	Yes	String	Type of the scenario of service agency authorization. Enumeration values: <ul style="list-style-type: none"> • TARGET_CONNECTION • CUSTOM_SOURCE_RABBIT MQ • EG_RESTORE_AGENCY

Request Parameters

None

Response Parameters

Status code: 200

Table 5-411 Response body parameters

Parameter	Type	Description
agencies	Array of strings	Service agency authorization record.

Status code: 400

Table 5-412 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-413 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-414 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-415 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-416 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.

Status Code	Description
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.8.2 Creating a Service Agency

Function

This API is used to create service agency authorization with just a few clicks.

URI

POST /v1/{project_id}/service-agencies

Table 5-417 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-418 Request body parameters

Parameter	Mandatory	Type	Description
type	Yes	String	Type of the service agency scenario. Enumeration values: <ul style="list-style-type: none">• TARGET_CONNECTION• CUSTOM_SOURCE_RABBIT MQ• EG_RESTORE_AGENCY

Response Parameters

Status code: 200

Table 5-419 Response body parameters

Parameter	Type	Description
agencies	Array of strings	Service agency authorization record.

Status code: 400

Table 5-420 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-421 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-422 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-423 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-424 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create a service agency.

```
/v1/{project_id}/service-agencies
{
  "type" : "TARGET_CONNECTION"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
```

```
"error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.9 Quota Management

5.9.1 Obtaining the Quota

Function

This API is used to obtain the quota of the current tenant. If no quota is configured, the default quota is returned.

URI

GET /v1/{project_id}/quotas

Table 5-425 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-426 Query Parameters

Parameter	Mandatory	Type	Description
type	No	String	Type of the resources for which the quota is to be queried. Enumeration values: <ul style="list-style-type: none"> • CHANNEL • CHANNEL_SUBSCRIPTION • SOURCE • SUBSCRIPTION • SUBSCRIPTION_TARGET • SCHEMA • SCHEMA_VERSION • CONNECTION • PRIVATE_ENDPOINT • SOURCE_RABBITMQ • SOURCE_ROCKETMQ

Request Parameters

Table 5-427 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-428 Response body parameters

Parameter	Type	Description
quotas	QuotaResourceResp object	Description about the quota.

Table 5-429 QuotaResourceResp

Parameter	Type	Description
resources	Array of QuotaItemInfo objects	Error description.

Table 5-430 QuotaItemInfo

Parameter	Type	Description
name	String	Name.
type	String	Quota type. Enumeration values: <ul style="list-style-type: none"> • CHANNEL • CHANNEL_SUBSCRIPTION • SOURCE • SUBSCRIPTION • SUBSCRIPTION_TARGET • SCHEMA • SCHEMA_VERSION • CONNECTION • PRIVATE_ENDPOINT • SOURCE_RABBITMQ • SOURCE_ROCKETMQ
max	Integer	Maximum quota.
min	Integer	Minimum quota.
quota	Integer	Current quota.
used	Integer	Used quota.

Status code: 400

Table 5-431 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-432 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-433 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-434 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-435 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.10 API Version Management

5.10.1 Obtaining the API Version List

Function

This API is used to obtain the list of API versions supported by the service.

URI

GET /

Request Parameters

None

Response Parameters

Status code: 200

Table 5-436 Response body parameters

Parameter	Type	Description
versions	Array of versions objects	Versions.

Table 5-437 versions

Parameter	Type	Description
id	String	Version number, for example, v1
links	Array of links objects	URL.
version	String	If the APIs of the given version support micro-versions, set this parameter to the supported maximum micro-version. If not, leave this parameter blank.
min_version	String	If the APIs of the given version support micro-versions, set this parameter to the supported minimum micro-version. If not, leave this parameter blank.
status	String	Version status, which can be CURRENT (recommended), SUPPORTED (earlier version that is still supported), or DEPRECATED (deprecated version, which may be deleted later). Enumeration values: <ul style="list-style-type: none"> ● CURRENT ● SUPPORTED ● DEPRECATED
updated	String	UTC time when the version is released.

Table 5-438 links

Parameter	Type	Description
href	String	href property.
rel	String	rel property.

Example Requests

None

Example Responses

None

Status Codes

Status Code	Description
200	Operation successful.

Error Codes

See [Error Codes](#).

5.11 Trigger Management

5.11.1 Obtaining the EG Trigger of a Function

Function

This API is used to obtain the trigger of a function specified by urn. A trigger is a subscription with the function as the target.

URI

GET /v1/{project_id}/subscription-triggers/{func_urn}

Table 5-439 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
func_urn	Yes	String	URN of the function.

Table 5-440 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC

Request Parameters

Table 5-441 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: **200**

Table 5-442 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of SubscriptionInfo objects	Object list.

Table 5-443 SubscriptionInfo

Parameter	Type	Description
id	String	Subscription ID.
name	String	Subscription name.
description	String	Description of the subscription.
type	String	Subscription type. Enumeration values: <ul style="list-style-type: none"> ● EVENT ● SCHEDULED
status	String	Status. Enumeration values: <ul style="list-style-type: none"> ● CREATED ● ENABLED ● DISABLED ● FROZEN ● ERROR
channel_id	String	ID of the event channel.
channel_name	String	Name of the event channel.
used	Array of SubscriptionUsedInfo objects	Label information.

Parameter	Type	Description
sources	Array of SubscriptionSourceInfo objects	List of subscription sources.
targets	Array of SubscriptionTargetInfo objects	List of subscription targets.
created_time	String	Time when the trigger is created.
updated_time	String	Time when the trigger is updated.

Table 5-444 SubscriptionUsedInfo

Parameter	Type	Description
resource_id	String	Associated resource ID.
owner	String	Management tenant account.
description	String	Description.

Table 5-445 SubscriptionSourceInfo

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-446 SubscriptionTargetInfo

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.

Parameter	Type	Description
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-447 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-448 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-449 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-450 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404**Table 5-451** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-452 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.11.2 Obtaining the EG Trigger of a Function Flow

Function

This API is used to obtain the trigger of a function flow specified by id. A trigger is a subscription with the function flow as the target.

URI

GET /v1/{project_id}/subscription-triggers/workflow/{workflow_id}

Table 5-453 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
workflow_id	Yes	String	ID of the function flow.

Table 5-454 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC

Request Parameters

Table 5-455 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: **200**

Table 5-456 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of SubscriptionInfo objects	Object list.

Table 5-457 SubscriptionInfo

Parameter	Type	Description
id	String	Subscription ID.
name	String	Subscription name.
description	String	Description of the subscription.
type	String	Subscription type. Enumeration values: <ul style="list-style-type: none"> ● EVENT ● SCHEDULED
status	String	Status. Enumeration values: <ul style="list-style-type: none"> ● CREATED ● ENABLED ● DISABLED ● FROZEN ● ERROR
channel_id	String	ID of the event channel.
channel_name	String	Name of the event channel.
used	Array of SubscriptionUsedInfo objects	Label information.

Parameter	Type	Description
sources	Array of SubscriptionSourceInfo objects	List of subscription sources.
targets	Array of SubscriptionTargetInfo objects	List of subscription targets.
created_time	String	Time when the trigger is created.
updated_time	String	Time when the trigger is updated.

Table 5-458 SubscriptionUsedInfo

Parameter	Type	Description
resource_id	String	Associated resource ID.
owner	String	Management tenant account.
description	String	Description.

Table 5-459 SubscriptionSourceInfo

Parameter	Type	Description
id	String	ID of the event subscription source.
name	String	Name of the event subscription source.
provider_type	String	Provider type of the event subscription source.
detail	Object	List of event subscription source parameters.
filter	Object	Filtering rule of the event subscription source.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-460 SubscriptionTargetInfo

Parameter	Type	Description
id	String	ID of the event subscription target.
name	String	Name of the event subscription target.

Parameter	Type	Description
provider_type	String	Provider type of the event subscription target.
connection_id	String	Connection ID used by the event subscription target. Maximum: 64
detail	Object	List of event subscription target parameters.
transform	TransForm object	Transform rule of the event subscription target.
created_time	String	Time when the event subscription is created.
updated_time	String	Time when the event subscription is updated.

Table 5-461 TransForm

Parameter	Type	Description
type	String	Type of the transform rule. Enumeration values: <ul style="list-style-type: none"> • ORIGINAL • CONSTANT • VARIABLE
value	String	For a constant type rule, the field is the constant content definition. For a variable type rule, the field is a variable definition and the content must be a JSON object string. A maximum of 100 variables are supported, and nested structures are not supported. The variable name can contain a maximum of 64 characters. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit and cannot start with HC.. The variable value expression can be a constant or JSONPath expression. The string length cannot exceed 1024 characters. Maximum: 1024
template	String	Template definition of the rule content when the rule is of the variable type. Defined variables can be referenced. Maximum: 2048

Status code: 400

Table 5-462 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-463 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-464 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-465 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-466 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.12 Endpoint Management

5.12.1 Updating an Endpoint

Function

This API is used to update an endpoint.

URI

PUT /v1/{project_id}/endpoints/{endpoint_id}

Table 5-467 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.
endpoint_id	Yes	String	ID of the endpoint.

Request Parameters

Table 5-468 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-469 Request body parameters

Parameter	Mandatory	Type	Description
description	No	String	Description. Maximum: 255

Response Parameters

Status code: 200

Table 5-470 Response body parameters

Parameter	Type	Description
id	String	ID of the endpoint.
name	String	Name of the endpoint.
vpc_id	String	ID of the VPC to which the endpoint belongs.
subnet_id	String	ID of the subnet to which the endpoint belongs.
domain	String	Access domain name.
description	String	Description.
status	String	Status of the endpoint. Enumeration values: <ul style="list-style-type: none"> ● CREATED ● CREATING ● CREATE_FAILED ● DELETE_FAILED

Parameter	Type	Description
type	String	Type of the endpoint. Enumeration values: <ul style="list-style-type: none"> • PRIVATE • PUBLIC
scalable	Boolean	Whether the endpoint is accessible.
created_time	String	UTC time when the endpoint is created.
updated_time	String	UTC time when the endpoint is updated.
endpoints	Array of EndpointConnection objects	List of endpoints.

Table 5-471 EndpointConnection

Parameter	Type	Description
endpoint_service_id	String	Service ID of the endpoint.
endpoint_service_name	String	Service name of the endpoint.
marker_id	String	Packet ID of the endpoint.
id	String	Node ID of the endpoint.
ip	String	Node IP address of the endpoint.
created_time	String	Time when the endpoint is created.

Status code: 400

Table 5-472 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-473 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-474 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-475 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-476 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Update endpoint description.

```
/v1/{project_id}/endpoints/{endpoint_id}
{
  "description" : "test"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.12.2 Deleting an Endpoint

Function

This API is used to delete an endpoint.

URI

DELETE /v1/{project_id}/endpoints/{endpoint_id}

Table 5-477 Path Parameters

Parameter	Mandatory	Type	Description
endpoint_id	Yes	String	ID of the endpoint.
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-478 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 400

Table 5-479 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-480 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-481 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-482 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-483 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{  
  "error_code" : "EG.00014000",  
  "error_msg" : "Bad request"  
}
```

Status code: 401

```
{  
  "error_code" : "EG.00014010",  
  "error_msg" : "Incorrect token or token resolution failed"  
}
```

Status code: 403

```
{  
  "error_code" : "EG.00014030",  
  "error_msg" : "No permissions to request this method"  
}
```

Status code: 404

```
{  
  "error_code" : "EG.00014040",  
  "error_msg" : "Not request resource found"  
}
```

Status code: 500

```
{  
  "error_code" : "EG.00015000",  
  "error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
204	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.12.3 Creating an Endpoint

Function

This API is used to create an endpoint.

URI

POST /v1/{project_id}/endpoints

Table 5-484 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Request Parameters

Table 5-485 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Table 5-486 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name of the endpoint. The value must be unique under a tenant. Only letters, digits, periods (.), underscores (_), and hyphens (-) are allowed. It must start with a letter or digit. Minimum: 1 Maximum: 128

Parameter	Mandatory	Type	Description
vpc_id	Yes	String	ID of the VPC to which the endpoint belongs. Maximum: 64
subnet_id	Yes	String	ID of the subnet to which the endpoint belongs. Maximum: 64
description	No	String	Description. Maximum: 255

Response Parameters

Status code: 200

Table 5-487 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-488 Response body parameters

Parameter	Type	Description
id	String	ID of the endpoint.
name	String	Name of the endpoint.
vpc_id	String	ID of the VPC to which the endpoint belongs.
subnet_id	String	ID of the subnet to which the endpoint belongs.
domain	String	Access domain name.
description	String	Description.
status	String	Status of the endpoint. Enumeration values: <ul style="list-style-type: none"> ● CREATED ● CREATING ● CREATE_FAILED ● DELETE_FAILED

Parameter	Type	Description
type	String	Type of the endpoint. Enumeration values: <ul style="list-style-type: none"> • PRIVATE • PUBLIC
scalable	Boolean	Whether the endpoint is accessible.
created_time	String	UTC time when the endpoint is created.
updated_time	String	UTC time when the endpoint is updated.
endpoints	Array of EndpointConnection objects	List of endpoints.

Table 5-489 EndpointConnection

Parameter	Type	Description
endpoint_service_id	String	Service ID of the endpoint.
endpoint_service_name	String	Service name of the endpoint.
marker_id	String	Packet ID of the endpoint.
id	String	Node ID of the endpoint.
ip	String	Node IP address of the endpoint.
created_time	String	Time when the endpoint is created.

Status code: 400

Table 5-490 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-491 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-492 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-493 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-494 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

Create an endpoint.

```
/v1/{project_id}/endpoints
{
  "name" : "test",
  "description" : "",
  "subnet_id" : "{{subnet-id}}",
  "vpc_id" : "{{vpc-id}}"
}
```

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.12.4 Obtaining the Endpoint List

Function

This API is used to obtain the list of endpoints.

URI

GET /v1/{project_id}/endpoints

Table 5-495 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-496 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0

Parameter	Mandatory	Type	Description
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC
type	No	String	Type of the endpoint. Enumeration values: <ul style="list-style-type: none"> • PRIVATE • PUBLIC
name	No	String	Name of the endpoint.
vpc_id	No	String	VPC ID of the endpoint.
fuzzy_name	No	String	Name of the endpoint. It is used for fuzzy match.

Request Parameters

Table 5-497 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-498 Response header parameters

Parameter	Type	Description
X-Request-Id	String	This field is the request ID number for task tracking. Format is request_uuid-timestamp-hostname.

Table 5-499 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100
items	Array of EndpointInfo objects	Object list.

Table 5-500 EndpointInfo

Parameter	Type	Description
id	String	ID of the endpoint.
name	String	Name of the endpoint.
vpc_id	String	ID of the VPC to which the endpoint belongs.
subnet_id	String	ID of the subnet to which the endpoint belongs.
domain	String	Access domain name.
description	String	Description.
status	String	Status of the endpoint. Enumeration values: <ul style="list-style-type: none"> • CREATED • CREATING • CREATE_FAILED • DELETE_FAILED

Parameter	Type	Description
type	String	Type of the endpoint. Enumeration values: <ul style="list-style-type: none"> • PRIVATE • PUBLIC
scalable	Boolean	Whether the endpoint is accessible.
created_time	String	UTC time when the endpoint is created.
updated_time	String	UTC time when the endpoint is updated.
endpoints	Array of EndpointConnection objects	List of endpoints.

Table 5-501 EndpointConnection

Parameter	Type	Description
endpoint_service_id	String	Service ID of the endpoint.
endpoint_service_name	String	Service name of the endpoint.
marker_id	String	Packet ID of the endpoint.
id	String	Node ID of the endpoint.
ip	String	Node IP address of the endpoint.
created_time	String	Time when the endpoint is created.

Status code: 400

Table 5-502 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-503 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-504 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-505 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-506 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.

Status Code	Description
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.13 OBS Bucket Management

5.13.1 Obtaining the OBS Bucket List

Function

This API is used to obtain the list of OBS buckets.

URI

GET /v1/{project_id}/subscriptions/obsbuckets

Table 5-507 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-508 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Offset, which is the position where the query starts. The value must be greater than or equal to 0. Minimum: 0 Maximum: 100 Default: 0

Parameter	Mandatory	Type	Description
limit	No	Integer	Number of records displayed on each page. The value must be within the range [1, 1000]. Minimum: 1 Maximum: 1000 Default: 15
sort	No	String	Sorting mode of the query results. Default: created_time:DESC

Request Parameters

Table 5-509 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-510 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
size	Integer	Number of records displayed on the current page. Minimum: 0 Maximum: 100

Parameter	Type	Description
items	Array of ObsBucketInfo objects	Object list.

Table 5-511 ObsBucketInfo

Parameter	Type	Description
responseHeaders	Object	Response header.
originalHeaders	Object	Request header.
statusCode	Integer	Status.
bucketName	String	Bucket name.
owner	owner object	Owner of the bucket.
creationDate	String	Time when the bucket is created.
location	String	Location of the bucket.
storageClass	Object	Storage class of the object.
metadata	Object	Bucket metadata.
acl	Object	Bucket ACL.
bucketStorageClass	Object	Storage class of the bucket.
bucketType	String	Bucket type.
requestId	String	Request ID.

Table 5-512 owner

Parameter	Type	Description
displayName	String	Label of the bucket.
id	String	Domain ID (account ID).

Status code: 400

Table 5-513 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-514 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-515 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-516 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-517 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
```

```
"error_msg" : "Internal Server Error"  
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.14 Metric Management

5.14.1 Obtaining Event Channel Metrics

Function

This API is used to obtain the metrics related to event channel monitoring.

URI

GET /v1/{project_id}/metrics/pub

Table 5-518 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-519 Query Parameters

Parameter	Mandatory	Type	Description
filter	No	String	Statistics mode of the metric data. Default: AVG Enumeration values: <ul style="list-style-type: none"> • AVG • MIN • MAX
period	No	Integer	Statistical period of the metric data, in minutes. Default: 1
start_time	Yes	Long	Start time for obtaining the metric data.
end_time	No	Long	End time for obtaining the metric data.
channel_id	Yes	String	ID of the event channel.
provider_type	No	String	Type of the event target or event channel. Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
source_name	No	String	Name of the event source.

Request Parameters

Table 5-520 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-521 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100
result	Array of EventPubMetricsItem objects	List of metrics.

Table 5-522 EventPubMetricsItem

Parameter	Type	Description
event_size	Long	Event size.
timestamp	Long	Timestamp.
num	Long	Number of calls.
success_num	Long	Number of successful calls.
process_time	Long	Processing time.
invoke_time	Long	Time when the API is called.

Status code: 400

Table 5-523 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401

Table 5-524 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403

Table 5-525 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-526 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-527 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512

Parameter	Type	Description
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.

Status Code	Description
400	Invalid request.
401	Unauthorized.
403	Access denied.
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

5.14.2 Obtaining Event Subscription Metrics

Function

This API is used to obtain the metrics related to event subscription monitoring.

URI

GET /v1/{project_id}/metrics/sub

Table 5-528 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Tenant project ID.

Table 5-529 Query Parameters

Parameter	Mandatory	Type	Description
filter	No	String	Statistics mode of the metric data. Default: AVG Enumeration values: <ul style="list-style-type: none">• AVG• MIN• MAX
period	No	Integer	Statistical period of the metric data, in minutes. Default: 1

Parameter	Mandatory	Type	Description
start_time	Yes	Long	Start time for obtaining the metric data.
end_time	No	Long	End time for obtaining the metric data.
subscription_id	Yes	String	ID of the event subscription.
provider_type	No	String	Type of the event target or event channel. Enumeration values: <ul style="list-style-type: none"> • OFFICIAL • CUSTOM
target_id	No	String	ID of the event target.

Request Parameters

Table 5-530 Request header parameters

Parameter	Mandatory	Type	Description
X-Auth-Token	Yes	String	User token. The token can be obtained by calling the IAM API used to obtain a user token. The value of X-Subject-Token in the response header is the user token. Minimum: 1 Maximum: 16384

Response Parameters

Status code: 200

Table 5-531 Response body parameters

Parameter	Type	Description
total	Integer	Total number of records. Minimum: 0 Maximum: 100

Parameter	Type	Description
result	Array of EventSubMetricsItem objects	Metric data.

Table 5-532 EventSubMetricsItem

Parameter	Type	Description
fail_num	Long	Number of failures.
retry_success_num	Long	Number of successful retries.
retry_fail_num	Long	Number of failed retries.
retry_times	Integer	Number of retries.
timestamp	Long	Timestamp.
num	Long	Number of calls.
success_num	Long	Number of successful calls.
process_time	Long	Processing time.
invoke_time	Long	Time when the API is called.

Status code: 400

Table 5-533 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 401**Table 5-534** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 403**Table 5-535** Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 404

Table 5-536 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024
request_id	String	Request ID. Minimum: 1 Maximum: 128

Status code: 500

Table 5-537 Response body parameters

Parameter	Type	Description
error_code	String	Error code. Minimum: 1 Maximum: 128
error_msg	String	Error message. Minimum: 1 Maximum: 512
error_details	String	Error details. Minimum: 1 Maximum: 1024

Parameter	Type	Description
request_id	String	Request ID. Minimum: 1 Maximum: 128

Example Requests

None

Example Responses

Status code: 400

```
{
  "error_code" : "EG.00014000",
  "error_msg" : "Bad request"
}
```

Status code: 401

```
{
  "error_code" : "EG.00014010",
  "error_msg" : "Incorrect token or token resolution failed"
}
```

Status code: 403

```
{
  "error_code" : "EG.00014030",
  "error_msg" : "No permissions to request this method"
}
```

Status code: 404

```
{
  "error_code" : "EG.00014040",
  "error_msg" : "Not request resource found"
}
```

Status code: 500

```
{
  "error_code" : "EG.00015000",
  "error_msg" : "Internal Server Error"
}
```

Status Codes

Status Code	Description
200	Operation successful.
400	Invalid request.
401	Unauthorized.
403	Access denied.

Status Code	Description
404	Resource not found.
500	Internal service error.

Error Codes

See [Error Codes](#).

6 Permissions Policies and Supported Actions

This chapter describes fine-grained permissions management for your EG. If your account does not require individual IAM users, you can skip this chapter.

New IAM users do not have any permissions assigned by default. You need to first add them to one or more groups and attach policies or roles to these groups. After authorization, the user can perform specified operations on cloud services based on the permissions.

You can grant users permissions by using [roles](#) and [policies](#). Roles are a type of coarse-grained authorization mechanism that defines permissions related to user responsibilities. Policies define API-based permissions for operations on specific resources under certain conditions, allowing for more fine-grained, secure access control of cloud resources.

NOTE

Policy-based authorization is useful if you want to allow or deny the access to an API.

Each account has all the permissions required to call all APIs, but IAM users must be granted the required permissions. The permissions required for calling an API are determined by the actions supported by the API. Only users who have been granted permissions can call the API successfully. For example, if an IAM user creates event sources using an API, the user must have been granted permissions that allow the **eg:sources:create** action.

Supported Actions

EG provides system-defined policies that can be directly used in IAM. You can also create custom policies to supplement system-defined policies for more refined access control. Operations supported by policies are specific to APIs. The following are common concepts related to policies:

- Permissions: statements in a policy that allow or deny certain operations
- APIs: APIs that will be called for performing certain operations
- Actions: specific operations that are allowed or denied
- IAM projects or enterprise projects: A custom policy can be applied to IAM projects or enterprise projects or both. Policies that contain actions supporting

both IAM and enterprise projects can be assigned to user groups and take effect in both IAM and Enterprise Management. Policies that only contain actions supporting IAM projects can be assigned to user groups and only take effect for IAM. Such policies will not take effect if they are assigned to user groups in Enterprise Management.

EG supports the following actions that can be defined in custom policies. Permissions must be obtained before calling APIs. For details on how to obtain permissions, visit the [Identity and Access Management help center](#).

Table 6-1 EG permissions

Permission	API	Action	IAM Project	Enterprise Project
Create event channels	POST /v1/{project_id}/channels	eg:channels:create	√	x
View the event channel list	GET /v1/{project_id}/channels	eg:channels:list	√	x
Update event channels	PUT /v1/{project_id}/channels/{channel_id}	eg:channels:update	√	x
Delete event channels	DELETE /v1/{project_id}/channels/{channel_id}	eg:channels:delete	√	x
View event channel details	GET /v1/{project_id}/channels/{channel_id}	eg:channels:get	√	x
Publish events to event channels	POST /v1/{project_id}/channels/{channel_id}/events	eg:channels:putEvents	√	x
Create event sources	POST /v1/{project_id}/sources	eg:sources:create	√	x
View the event source list	GET /v1/{project_id}/sources	eg:sources:list	√	x
Update event sources	PUT /v1/{project_id}/sources/{source_id}	eg:sources:update	√	x
Delete event sources	DELETE /v1/{project_id}/sources/{source_id}	eg:sources:delete	√	x

Permission	API	Action	IAM Project	Enterprise Project
View event source details	GET /v1/{project_id}/sources/{source_id}	eg:sources:get	√	x
View the event target catalog list	GET /v1/{project_id}/target-catalogs	eg:targetCatalogs:list	√	x
Create event subscriptions	POST /v1/{project_id}/subscriptions	eg:subscriptions:create	√	x
View the event subscription list	GET /v1/{project_id}/subscriptions	eg:subscriptions:list	√	x
Update event subscriptions	PUT /v1/{project_id}/subscriptions/{subscription_id}	eg:subscriptions:update	√	x
Delete event subscriptions	DELETE /v1/{project_id}/subscriptions/{subscription_id}	eg:subscriptions:delete	√	x
View event subscription details	GET /v1/{project_id}/subscriptions/{subscription_id}	eg:subscriptions:get	√	x
Enable or disable event subscriptions	POST /v1/{project_id}/subscriptions/operation	eg:subscriptions:update	√	x
Create schemas	POST /v1/{project_id}/schemas	eg:schemas:create	√	x
View the schema list	GET /v1/{project_id}/schemas	eg:schemas:list	√	x
Update schemas	PUT /v1/{project_id}/schemas/{schema_id}	eg:schemas:update	√	x
Delete schemas	DELETE /v1/{project_id}/schemas/{schema_id}	eg:schemas:delete	√	x

Permission	API	Action	IAM Project	Enterprise Project
View schema details	GET /v1/{project_id}/schemas/{schema_id}	eg:schemas:get	√	x
View the schema version list	GET /v1/{project_id}/schemas/{schema_id}/versions	eg:schemas:listVersions	√	x
View schema version details	GET /v1/{project_id}/schemas/{schema_id}/versions/{version}	eg:schemas:getVersion	√	x
Delete schema versions	DELETE /v1/{project_id}/schemas/{schema_id}/versions/{version}	eg:schemas:deleteVersion	√	x
Discover schemas	POST /v1/{project_id}/schema-discover	eg:schemas:getDiscovered	√	x
Query quotas	GET /v1/{project_id}/quotas	eg:quotas:list	√	x

7 Appendix

[7.1 Status Codes](#)

[7.2 Error Codes](#)

[7.3 Obtaining a Project ID](#)

[7.4 Obtaining the Account Name and Account ID](#)

7.1 Status Codes

Table 7-1 lists status codes.

Table 7-1 Status codes

Status Code	Name	Description
100	Continue	The client should continue with its request. This interim response is used to inform the client that some requests have been received and have not been rejected by the server.
101	Switching Protocols	The protocol should be switched. The protocol can only be switched to a more advanced protocol. For example, the current HTTP protocol is switched to a later version of HTTP.
200	OK	Request sent successfully.
201	Created	The request for creating resources has been fulfilled.
202	Accepted	The request has been accepted, but the processing has not been completed.

Status Code	Name	Description
203	Non-Authoritative Information	The request has been fulfilled.
204	NoContent	The server has successfully processed the request, but is not returning any response body. The status code is returned in response to an HTTP OPTIONS request.
205	Reset Content	The server has fulfilled the request, but the requester is required to reset the content.
206	Partial Content	The server has successfully processed a part of the GET request.
300	Multiple Choices	There are multiple options for the requested resource. For example, this code could be used to present a list of resource characteristics and addresses from which the client such as a browser may choose.
301	Moved Permanently	This and all future requests have been permanently moved to the given URI indicated in this response.
302	Found	The requested resource was temporarily moved.
303	See Other	Retrieve another URL using a GET or POST method.
304	Not Modified	The requested resource has not been modified. When the server returns this status code, it does not return any resources.
305	Use Proxy	The requested resource is available only through a proxy.
306	Unused	This HTTP status code is no longer used.
400	BadRequest	Invalid request. The client should modify the request instead of re-initiating it.
401	Unauthorized	The authorization information provided by the client is incorrect or invalid.
402	Payment Required	Reserved for future use.

Status Code	Name	Description
403	Forbidden	The request is rejected. The server has received the request and understood it, but the server is refusing to respond to it. The client should not repeat the request without modifications.
404	NotFound	The requested resource cannot be found. The client should modify the request instead of re-initiating it.
405	MethodNotAllowed	A request method is not supported for the requested resource. The client should modify the request instead of re-initiating it.
406	Not Acceptable	The server cannot fulfill the request based on the content characteristics of the request.
407	Proxy Authentication Required	This code is similar to 401, but indicates that the client must first authenticate itself with the proxy.
408	Request Time-out	The server timed out when waiting for the request. The client may re-initiate the request without any modification at any time.
409	Conflict	The request could not be processed due to a conflict. The resource that the client attempts to create already exists, or the update request fails to be processed because of a conflict.
410	Gone	The requested resource cannot be found. The requested resource has been deleted permanently.
411	Length Required	The server refused to process the request because the request does not specify the length of its content.
412	Precondition Failed	The server does not meet one of the preconditions that the requester puts on the request.
413	Request Entity Too Large	The server refuses to process a request because the request is too large. The server may close the connection to prevent the client from continuing the request. If the server cannot process the request temporarily, the response will contain a Retry-After field.

Status Code	Name	Description
414	Request-URI Too Large	The URI provided was too long for the server to process.
415	Unsupported Media Type	The server does not support the media type in the request.
416	Requested range not satisfiable	The requested range is invalid.
417	Expectation Failed	The server fails to meet the requirements of the Expect request-header field.
422	UnprocessableEntity	The request is well-formed but unable to be processed due to semantic errors.
429	TooManyRequests	The client has sent more requests than its rate limit is allowed within a given amount of time, or the server has received more requests than it is able to process within a given amount of time. In this case, the client should re-initiate requests after the time specified in the Retry-After header of the response expires.
500	InternalServerError	The server is able to receive the request but it could not understand the request.
501	Not Implemented	The server does not support the requested function.
502	Bad Gateway	The server acting as a gateway or proxy receives an invalid response from a remote server.
503	ServiceUnavailable	The requested service is invalid. The client should modify the request instead of re-initiating it.
504	ServerTimeout	The request cannot be fulfilled within a given time. This status code is returned to the client only when the duration specified by Timeout in the request timed out.
505	HTTP Version not supported	The server does not support the HTTP protocol version used in the request.

7.2 Error Codes

Status Code	Error Codes	Error Message	Description	Solution
400	EG.00513000	Invalid parameter.	Invalid parameter.	Check the parameters.
400	EG.00513001	Duplicate name.	Duplicate name.	Enter a unique name.
400	EG.00513002	Enabled subscriptions cannot be edited.	Enabled subscriptions cannot be edited.	Try again later.
400	EG.00513003	Invalid target URL.	Invalid target URL.	Check the event target URL.
400	EG.00513004	Invalid filter parameter.	Invalid filter parameter.	Check that the filter rule is correctly set for the event source.
400	EG.00513005	Event channel unavailable.	Event channel unavailable.	Select another event channel.
400	EG.00513006	This VPC already has a private endpoint.	This VPC already has a private endpoint.	Do not create it again.
403	EG.00512000	Permission denied.	Permission denied.	Contact your administrator.
403	EG.00512001	The operation is not allowed because the account is frozen.	The operation is not allowed because the account is frozen.	Top up your account or contact the administrator to unfreeze your account.
403	EG.00512002	Your account does not have the permission to create an agency.	Your account does not have the permission to create an agency.	Contact the administrator to obtain the required permission.
403	EG.00512003	The agency does not exist.	The agency does not exist.	Create an agency first.

Status Code	Error Codes	Error Message	Description	Solution
403	EG.00514003	Insufficient resource quota.	Insufficient resource quota.	Increase the resource quota.
403	EG.00514004	The resource cannot be modified.	The resource cannot be modified.	The resources created by other services cannot be modified.
404	EG.00514001	The resource is not found.	The resource is not found.	Contact you administrator.
409	EG.00514002	The resource is bound to another resource and cannot be deleted.	The resource is bound to another resource and cannot be deleted.	Delete the resource bound to this resource first.
409	EG.00514005	The connection is being created and cannot be deleted.	The connection is being created and cannot be deleted.	Try again later.
500	EG.00511000	Internal service error.	Internal service error.	Contact your administrator.
500	EG.00515001	The resource does not exist when the event is published.	The resource does not exist when the event is published.	Contact your administrator.
503	EG.00511001	The service is unavailable.	The service is unavailable.	Contact your administrator.

7.3 Obtaining a Project ID

Scenario

A project ID is required for some URLs when an API is called. Obtain a project ID using either of the following methods:

- [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](#).

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 on API calling authentication, see [3.2 Authentication](#).

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

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

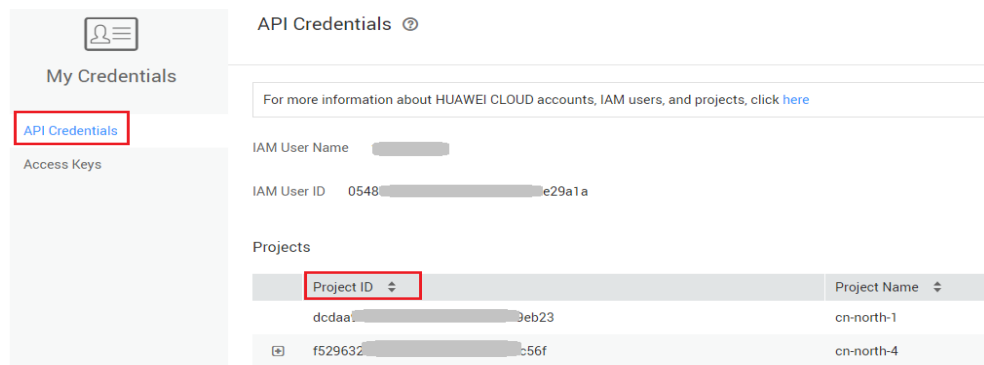
A project ID is required for some URLs when an API is called. You can obtain a project ID on the console.

The following procedure describes how to obtain a project ID:

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

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

Figure 7-1 Viewing a project ID



----End

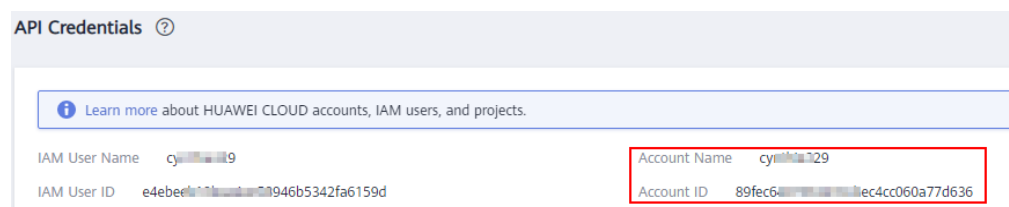
7.4 Obtaining the Account Name and Account ID

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

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

View the account name and account ID.

Figure 7-2 Viewing the account name and account ID



8 Description

Released On	Description
2023-03-31	This issue is the first official release.