

CodeArts PerfTest

API Reference

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Contents

1 Before You Start.....	1
2 API Overview.....	3
3 Calling APIs.....	6
3.1 Making an API Request.....	6
3.2 Authentication.....	9
3.3 Response.....	10
4 API.....	12
4.1 PerfTest Project Management.....	12
4.1.1 Querying a Project Set.....	12
4.1.2 Creating a Project.....	14
4.1.3 Querying a Project.....	16
4.1.4 Modifying a Project.....	18
4.1.5 Deleting a Project.....	20
4.1.6 Querying the Import Progress.....	21
4.2 Task Management.....	23
4.2.1 Querying a Task Set.....	23
4.2.2 Querying a Task (Old Edition).....	26
4.2.3 Modifying a Task (Old Edition).....	36
4.2.4 Deleting a Task (Old Edition).....	54
4.2.5 Creating a Task (Old Edition).....	55
4.2.6 Updating Task Status (Old Version).....	57
4.2.7 Modifying the Case Associated with the Task.....	60
4.3 Case Management.....	70
4.3.1 Creating a Case (Old Edition).....	70
4.3.2 Deleting a Case (Old Edition).....	72
4.3.3 Modifying a Case (Old Edition).....	74
4.3.4 Debugging a Case (Old Version).....	82
4.4 Global Variable Management.....	85
4.4.1 Querying a Global Variable.....	85
4.4.2 Creating a Variable.....	88
4.4.3 Modifying a Variable.....	91
4.4.4 Deleting a Global Variable.....	93

4.5 Transaction Management..... 95

4.5.1 Querying a Transaction Set..... 95

4.5.2 Creating a Transaction..... 97

4.5.3 Querying a Transaction..... 99

4.5.4 Modifying a Transaction..... 103

4.5.5 Deleting a Transaction..... 108

4.6 Report Management..... 109

4.6.1 Querying a Report..... 109

4.6.2 Querying the Offline Report List of a PerfTest Task..... 123

4.7 Directory Management..... 125

4.7.1 Query a case tree..... 125

5 Permissions..... 128

6 Appendix..... 129

6.1 Status Codes..... 129

6.2 Error Codes..... 133

6.3 Obtaining a Project ID..... 133

6.4 Obtaining the Account ID..... 134

7 Change History..... 135

1 Before You Start

Overview

CodeArts PerfTest provides performance test services for cloud applications that are built based on HTTP, HTTPS, TCP, UDP, HLS, RTMP, WebSocket, MQTT, or HTTP-FLV. CodeArts PerfTest quickly simulates service peaks with a large number of concurrent users. It allows you to define the contents and time sequences of packets and supports complex combinations of multiple transactions. After tests are complete, CodeArts PerfTest provides professional test reports to evaluate your service quality.

This document describes how to use application programming interfaces (APIs) to perform operations on CodeArts PerfTest, such as creating, deleting, and querying a project. For details about all supported operations, see [API Overview](#).

Endpoints

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

You can query the CodeArts PerfTest endpoints on [Regions and Endpoints](#).

Basic Concepts

- Account

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

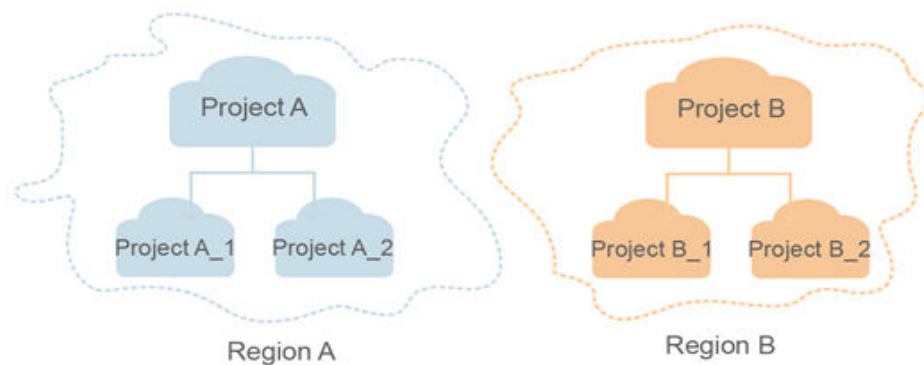
- User

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

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

- **Region**
Regions are divided based on geographical location and network latency. Public services, such as Elastic Cloud Server (ECS), Elastic Volume Service (EVS), Object Storage Service (OBS), Virtual Private Cloud (VPC), Elastic IP (EIP), and Image Management Service (IMS), are shared within the same region. Regions are classified into universal regions and dedicated regions. A universal region provides universal cloud services for common tenants. A dedicated region provides specific services for specific tenants.
For details, see [Region and AZ](#).
- **Availability zone (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, computing, network, storage, and other resources are logically divided into multiple clusters. AZs within a region are interconnected using high-speed optical fibers to support cross-AZ high-availability systems.
- **Project**
Projects group and isolate resources (including compute, storage, and network resources) across physical regions. A default project is provided for each region, and subprojects can be created under each default project. Users can be granted permissions to access all resources in a specific project. For more refined access control, create subprojects under a project and create resources in the subprojects. Users can then be assigned permissions to access only specific resources in the subprojects. For details about how to check the project ID, see [Obtaining a Project ID](#).

Figure 1-1 Project isolating model



- **Enterprise project**
Enterprise projects group and manage resources across regions. Resources in enterprise projects are logically isolated. An enterprise project can contain resources in multiple regions, and resources can be added to or removed from enterprise projects.
For more information about enterprise projects and how to obtain enterprise project IDs, see the [Enterprise Management User Guide](#).

2 API Overview

Category	API	Description
Project Management	Querying a Project Set	This API is used to query project set pagination data by project ID.
	Creating a Project	This API is used to add a project object.
	Querying a Project	This API is used to query project data by test project ID.
	Modifying a Project	This API is used to update project data by condition.
	Deleting a Project	This API is used to delete project data by test project ID.
	Querying the Import Progress	This API is used to query the progress of importing a project by condition.
Task Management	Querying a Task Set	This API is used to query task set pagination data by test project ID.
	Querying a Task (Old Version)	This API is used to query task data by task ID.
	Modifying a Task (Old Version)	This API is used to update task data by condition.
	Deleting a Task (Old Version)	This API is used to delete task data by task ID.
	Creating a Task (Old Version)	This API is used to add task data.

Category	API	Description
	Updating Task Status (Old Version)	This API is used to update task status by condition, for example, starting or stopping a task.
	Modifying the Case Associated with the Task	Modify the case associated with the task by task ID.
Case Management	Creating a Case (Old Version)	This API is used to add case data.
	Deleting a Case (Old Version)	This API is used to delete case data by case ID.
	Modifying a Case (Old Version)	This API is used to update case data based on conditions.
	Debugging a Case	This API is used to debug cases by test project ID, task ID, case ID, and resource group information.
Global Variable Management	Querying a Global Variable	This API is used to query the global variable list by condition.
	Creating a Variable	This API is used to add global variable data.
	Modifying a Variable	This API is used to update global variable data based on conditions.
	Deleting a Global Variable	This API is used to delete a global variable by variable ID.
Transaction Management	Querying a Transaction Set	This API is used to query transaction pagination data by test project ID.
	Creating a Transaction	This API is used to add transaction data.
	Querying a Transaction	This API is used to query transaction data by transaction ID.
	Modifying a Transaction	This API is used to update transaction data based on conditions.
	Deleting a Transaction	This API is used to delete case data by transaction ID.

Category	API	Description
Report Management	Querying a Report	This API is used to query the report list by condition.
	Querying the Offline Report List of a PerfTest Task	This API is used to query the offline report list by task ID.
Directory Management	Querying a Case Tree	This API is used to query directory data by condition.

3 Calling APIs

3.1 Making an API Request

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

Request URI

A request URI is in the following format:

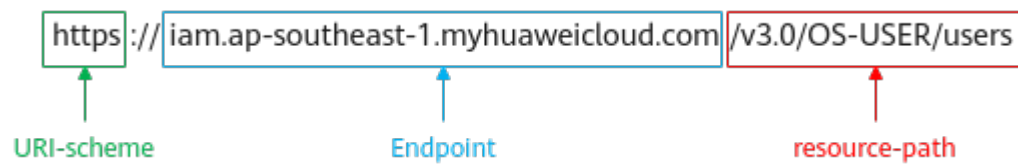
{URI-scheme}://{Endpoint}/{resource-path}?{query-string}

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

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

For example, to create an IAM user, obtain the endpoint of any region (for example, the endpoint of **CN-Hong Kong**: **iam.ap-southeast-1.myhuaweicloud.com**) and **resource-path** (**/v3.0/OS-USER/users**) in the URI of the API for [creating an IAM user as an administrator](#). Then, construct the URI as follows:

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

Figure 3-1 Example URI**NOTE**

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

Request Methods

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

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

For example, in the case of the API used to [create an IAM user](#), the request method is **POST**. The request is as follows:

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

Request Header

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

[Table 3-1](#) describes common request headers.

Table 3-1 Common request header fields

Parameter	Description	Mandatory	Example Value
Content-Type	Multipurpose Internet Mail Extensions (MIME) type of a request body. Its default value is application/json . Other values of this field will be provided for specific APIs if any.	Yes	application/json
X-Project-Id	Project ID. You can obtain it by referring to Obtaining a Project ID .	No This field is mandatory for requests that use AK/SK authentication in the Dedicated Cloud (DeC) scenario or multi-project scenario.	e9993fc787d***** ***aa340f9c0f4
X-Auth-Token	User token. The user token is a response to the API used to obtain a user token . This API is the only one that does not require authentication. After a response is returned, the value of X-Subject-Token in the response header is the token value.	No This field is mandatory for token authentication.	The following is part of an example token: MIIPAgYJKoZIhvc- NAQcCo...ggg1BBI INPXsidG9rZ

The API used to [create an IAM user](#) 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.ap-southeast-1.myhuaweicloud.com/v3.0/OS-USER/users
Content-Type: application/json
```

Request Body

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

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

For the API used to [create an IAM user](#), you can check the required request parameters and their description in the API request. The following provides an example request with a body included. Replace the italic fields with the actual values.

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

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

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

By now, all data required for an API request is available. You can send the request to call the API through curl, Postman, or coding.

3.2 Authentication

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

Token-based authentication: Requests are authenticated using a token.

Token-based Authentication

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

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

Ensure that the token is valid when you use it. Using a token that will soon expire may cause API calling failures.

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": {
    "id": "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 **ABCDEFGH....**, **X-Auth-Token: ABCDEFGH....** can be added to a request as follows:

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

3.3 Response

Status Code

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

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

If status code 201 is returned for the API for [creating an IAM user as an administrator](#), the request is successful.

Response Header

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

For the API for [creating an IAM user as an administrator](#), the message header shown in [Figure 3-2](#) is returned.

Figure 3-2 Response header

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

Response Body

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

For the API for [creating an IAM user as an administrator](#), the following message body is returned. The following is part of the response body:

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

If an error occurs during API calling, an error code and a message will be displayed. The following shows an error response body.

```
{
  "error_msg": "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 API

4.1 PerfTest Project Management

4.1.1 Querying a Project Set

Function

This API is used to query a project set.

URI

GET /v1/{project_id}/test-suites

Table 4-1 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Table 4-2 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Query offset.
limit	No	Integer	Number of queried records.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-3 Response body parameters

Parameter	Type	Description
code	String	Status code.
message	String	Message.
projects	Array of ProjectsSet objects	Project set details.

Table 4-4 ProjectsSet

Parameter	Type	Description
CreateTime	String	Creation time.
UpdateTime	String	Update time.
description	String	Description.
id	Integer	Project ID.
name	String	Project name.
source	Integer	Project source. 0 : PerfTest; 2 : CloudTest.
external_params	Object	External parameter.
variables_no_file	Array of strings	File variable.

Status code: 501

Table 4-5 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the project list.

```
/v1/{project_id}/test-suites&offset=1&limit=10
```

Example Responses

Status code: 200

success

```
{
  "code" : "CPTS.00000000",
  "message" : "success",
  "projects" : [ {
    "id" : 1,
    "name" : "name",
    "description" : "description",
    "variables_no_file" : [ ],
    "CreateTime" : "2021-07-12T14:41:51+08:00",
    "UpdateTime" : "2021-07-12T14:41:51+08:00",
    "source" : 0,
    "external_params" : { }
  } ]
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.1.2 Creating a Project

Function

This API is used to create a project.

URI

POST /v1/{project_id}/test-suites

Table 4-6 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Request Parameters

Table 4-7 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name.
description	No	String	Description.

Response Parameters

Status code: 201

Table 4-8 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
project_id	Integer	Project ID.

Status code: 501

Table 4-9 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Creating a PerfTest project. The project name is **createProjectTest** and project description is **description**.

```
/v1/projectId/test-suites
{
  "name" : "createProjectTest",
  "description" : "description"
}
```

Example Responses

Status code: 201

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
```

```
"message" : "success",  
"project_id" : 123632  
}
```

Status Codes

Status Code	Description
201	success
501	unknown error

Error Codes

See [Error Codes](#).

4.1.3 Querying a Project

Function

This API is used to query a project.

URI

GET /v1/{project_id}/test-suites/{test_suite_id}

Table 4-10 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-11 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
project	Project object	Project information.

Table 4-12 Project

Parameter	Type	Description
create_time	String	Creation time.
description	String	Description.
group	String	Tenant ID (domain_id).
id	Integer	Project ID.
name	String	Project name.
source	Integer	Source (0 : PerfTest; 2 : CloudTest).
update_time	String	Update time.

Status code: 501**Table 4-13** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the information about the PerfTest project whose ID is **test_suite_id**.

```
/v1/{project_id}/test-suites/{test_suite_id}
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "project" : {
    "create_time" : "2022-01-18T15:20:42.373585+08:00",
    "description" : ""
  }
}
```

```
"group" : "e061922ca2684c1e9c761df238826261",  
"id" : 122025,  
"name" : "Project name",  
"source" : 0,  
"update_time" : "2022-01-20T14:11:21.719585+08:00"  
}  
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.1.4 Modifying a Project

Function

This API is used to modify a project.

URI

PUT /v1/{project_id}/test-suites/{test_suite_id}

Table 4-14 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

Table 4-15 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	Integer	Project ID.

Parameter	Mandatory	Type	Description
name	Yes	String	Project name.
description	No	String	Project description.
variables_no_file	No	Array of strings	Variables that are missing during project import but exist in the variable file.
source	No	Integer	Source (0 : PerfTest; 2 : CloudTest).
external_params	No	Object	Extension parameter.

Response Parameters

Status code: 204

success

Status code: 501

Table 4-16 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Modifying the project whose ID is 1: Change the project name to **ProjectTest** and project description to **description**.

```
/v1/{project_id}/test-suites/1
```

```
{
  "id" : 1,
  "name" : "ProjectTest",
  "description" : "description",
  "variables_no_file" : [ ],
  "source" : 0,
  "external_params" : { }
}
```

Example Responses

None

Status Codes

Status Code	Description
204	success
501	unknown error

Error Codes

See [Error Codes](#).

4.1.5 Deleting a Project

Function

This API is used to delete a project.

URI

DELETE /v1/{project_id}/test-suites/{test_suite_id}

Table 4-17 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

None

Response Parameters

Status code: 204

success

Status code: 501

Table 4-18 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Deleting the PerfTest project whose ID is **1**.

```
/v1/projectId/test-suites/1
```

Example Responses

None

Status Codes

Status Code	Description
204	success
501	unknown error

Error Codes

See [Error Codes](#).

4.1.6 Querying the Import Progress

Function

This API is used to query the import progress.

URI

GET /v1/{project_id}/test-suites/upload/processes

Table 4-19 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Request Parameters

None

Response Parameters

Status code: 200

Table 4-20 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
json	UploadProcessJson object	Response content.
extend	String	Extension information.

Table 4-21 UploadProcessJson

Parameter	Type	Description
details	Array of UploadProcessJsonDetail objects	Project import progress details.
process_status	Integer	Total status (0 : being imported; 1 : imported).

Table 4-22 UploadProcessJsonDetail

Parameter	Type	Description
id	Integer	Import progress ID.
name	String	Project name.
status	Integer	Import status (0 : importing; 1 : successful; 2 : failed).
cause	String	Failure cause.

Status code: 501

Table 4-23 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the progress of importing a project.

/v1/{project_id}/test-suites/upload/processes

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "json" : {
    "details" : [ {
      "id" : 0,
      "name" : "Project name",
      "status" : 1,
      "cause" : ""
    } ],
    "process_status" : 1
  },
  "extend" : null
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2 Task Management

4.2.1 Querying a Task Set

Function

This API is used to query a task set.

URI

GET /v1/{project_id}/all-tasks/{test_suite_id}

Table 4-24 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Table 4-25 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Query offset.
limit	No	Integer	Number of queried records.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-26 Response body parameters

Parameter	Type	Description
code	String	Response code.
extend	Array of strings	Extension information.
message	String	Response message.
tasks	Array of Task objects	Project set details.

Table 4-27 Task

Parameter	Type	Description
bench_concurrent	Integer	Benchmark concurrency.
description	String	Description.
id	Integer	Task ID.
name	String	Task name.
operate_mode	Integer	Task pressure test model.
task_run_info	TaskRunInfo object	Task running information.
update_time	String	Update time.
parallel	Boolean	Whether test cases are executed in parallel between tasks.

Table 4-28 TaskRunInfo

Parameter	Type	Description
id	Integer	Task ID.
run_type	Integer	Task type (0 : old edition task; 1 : new edition task).

Status code: 501**Table 4-29** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the task set associated with the project whose ID is **1**.

```
/v1/{project_id}/all-tasks/1
```

Example Responses

Status code: 200

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
}
```

```
"extend" : [ ],
"message" : "success",
"tasks" : [ {
  "bench_concurrent" : 100,
  "description" : "",
  "id" : 52631,
  "name" : "task1",
  "operate_mode" : 2,
  "parallel" : true,
  "task_run_info" : {
    "id" : 0,
    "run_type" : 0
  },
  "update_time" : "2022-01-05T11:16:08.415954+08:00"
}, {
  "bench_concurrent" : 100,
  "description" : "",
  "id" : 52621,
  "name" : "task2",
  "operate_mode" : 2,
  "parallel" : true,
  "task_run_info" : {
    "id" : 0,
    "run_type" : 0
  },
  "update_time" : "2021-12-31T15:43:53.014385+08:00"
} ]
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2.2 Querying a Task (Old Edition)

Function

This API is used to query a task on the old UI.

URI

GET /v1/{project_id}/tasks/{task_id}

Table 4-30 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-31 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
taskInfo	TaskInfo object	Task details.

Table 4-32 TaskInfo

Parameter	Type	Description
bench_concurrent	Integer	Benchmark concurrency.
case_list	Array of CaseInfoDetail objects	Case ID list. A case ID is the value of json.test_case_id in the response body of the API for creating a case.
create_time	String	Creation time.
description	String	Description.
name	String	Task name.
operate_mode	Integer	Task mode (0 : by duration; 1 : by count; 2 : both).
project_id	Integer	ID of the project to which the task belongs.

Parameter	Type	Description
related_temp_running_data	Array of RelatedTempRunningData objects	Brief information about the latest running report, including the running task ID, that is, the task_run_info_id of the object. ID of a running case, that is, related_temp_running_id of the object.
run_status	Integer	Task running status (9 : waiting to run; 0 : running; 1 : paused; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completed); 5 : stopped by the user).
update_time	String	Time when a task is updated.
parallel	Boolean	Whether cases are executed in parallel between tasks.

Table 4-33 CaseInfoDetail

Parameter	Type	Description
case_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
name	String	Case name.
case_type	Integer	Case type (0 : normal case).
contents	Array of Contents objects	Case script information.
for_loop_params	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
increase_setting	Array of objects	Gradient increment.
stages	Array of TestCaseStage objects	Phase information.
status	Integer	Status (0 : deleted; 1 : enabled; 2 : disabled).
temp_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
sort	Integer	Sorting field.

Parameter	Type	Description
directory_id	Integer	Directory ID of the case. This parameter is optional for APIs of earlier versions.
setup_contents	Array of Contents objects	Preparations.
user_replicas	Integer	Actuators.
collect_log_policy	Integer	Log collection policy (0 : request mode; 1 : case mode).
link_app_list	Array of integers	Associated full-link application list.
case_info	CaseDoc object	Text case information.

Table 4-34 TestCaseStage

Parameter	Type	Description
operate_mode	Integer	Pressure phase mode (0 : by duration; 1 : by count).
name	String	Phase name.
time	Integer	Duration, in seconds.
start_time	Integer	Start time.
end_time	Integer	End time.
issue_num	Integer	Maximum concurrency.
count	Integer	Total transmission times.
pressure_mode	Integer	Pressure mode (0 : concurrent mode; 1 : TPS mode; 2 : high pressure mode; 3 : surge concurrency mode; 4 : surge TPS mode; 5 : flapping concurrency mode; 6 : flapping TPS mode; 7 : intelligent high pressure mode).
tps_value	Integer	TPS value in TPS mode.
current_user_num	Integer	Start concurrency.
current_tps	Integer	Start TPS value.
voltage_regulating_mode	Integer	Pressure adjustment mode (0 : automated; 1 : manual).
maximum	Integer	Maximum concurrency in the surge mode.

Parameter	Type	Description
minimum	Integer	Minimum concurrency in the surge mode.
loop_count	Integer	Oscillation/surge times.
max_duration	Integer	Peak duration in the surge mode.
ramp_up	Integer	Ramp up (in seconds) in the peakload mode.
peak_load_kpis	StageKpiltems object	Expected KPI.
step_duration	Integer	Single-step execution duration in the intelligent peakload mode.
step_size	Integer	Increase concurrency in the intelligent peakload mode.

Table 4-35 StageKpiltems

Parameter	Type	Description
average_response_time	StageKpiltem object	Average response time.
success_rate	StageKpiltem object	Success rate.

Table 4-36 StageKpiltem

Parameter	Type	Description
comparison	String	Comparison operator.
value	Integer	Comparison value.

Table 4-37 Contents

Parameter	Type	Description
content_id	Integer	Transaction ID, which is the value of templd in the response body of the API for creating a transaction. If the transaction ID is not 0 , the card is a transaction. If it is 0 , the card is not a transaction.

Parameter	Type	Description
content	Array of Content objects	Content.
index	Integer	Sorting index.
selected_temp_name	String	Name of the selected transaction or case.
data	Object	Data to which the loop and condition controller apply.
data_type	Integer	Type (0 : default request; 1 : data instruction; 201 : cycle instruction; 202 : condition instruction; 301 : rendezvous point).
conditions	Object	If the type is 202 (condition instruction), this field configures the condition.
is_disabled	Boolean	Whether to disable the AW.

Table 4-38 Content

Parameter	Type	Description
content_type	Integer	Case card type (1 : think time; 2 : packet; 3 : checkpoint; 4 : variable extraction).
content	ContentInfo object	Content.

Table 4-39 ContentInfo

Parameter	Type	Description
body_type	Integer	Body type (0 : string; 1 : form-data format; 3 : x-www-form-urlencoded format).
body	Array of objects	Request body.
check_end_length	Object	Length of the data returned through TCP/UDP.
check_end_str	Object	End character returned through TCP/UDP.
check_end_type	Object	End type (1 : data length; 2 : end character) returned through TCP/UDP.

Parameter	Type	Description
connect_timeout	Integer	Timeout duration.
connect_type	Integer	Connection settings. This parameter is not used in the current edition.
headers	Array of ContentHeader objects	Request header.
http_version	String	HTTP version.
method	String	HTTP method.
name	String	Case name.
protocol_type	Integer	Protocol type (1 : HTTP; 2 : HTTPS; 3 : TCP; 4 : UDP; 7 : HLS/RTMP; 9 : WebSocket; 10 : HTTP-FLV; 11 : MQTT).
return_timeout	Integer	Response timeout.
return_timeout_param	String	Response timeout parameter.
url	String	Request URL.
rtmp_url	String	RTMP address.
flv_url	String	FLV address.
bitrate_type	Integer	Resolution policy.
duration	Integer	Duration.
retry_delay	Integer	HLS retry delay.
retry_time	Integer	HLS retries.

Table 4-40 ContentHeader

Parameter	Type	Description
key	String	Key.
value	String	Value.

Table 4-41 CaseDoc

Parameter	Type	Description
description	String	Case description.

Parameter	Type	Description
label_names	Array of strings	Tags.
preparation	String	Preparations.
rank	Integer	Case level (0 : L0, 1 : L1, 2 : L2, 3 : L3, 4 : L4).
status_code	Integer	Status (0 : new; 5 : designing; 6 : testing; 7 : completed).
steps	Array of steps objects	Procedure.

Table 4-42 steps

Parameter	Type	Description
expect_result	String	Step description.
test_step	String	Expected result.

Table 4-43 RelatedTempRunningData

Parameter	Type	Description
task_run_info_id	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
related_temp_running_id	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
temp_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
temp_name	String	Case name.
content_method_url	Array of strings	Request information, including the request name, method, and URL.
related_temp_running_data	Array of TempRunningData objects	Brief information about the latest running report.

Table 4-44 TempRunningData

Parameter	Type	Description
content_method_url	Array of strings	Request information, including the request name, method, and URL.
crawler_status	Integer	Request running status (0 : normal response; 1 : parsing failed; 2 : comparison failed; 3 : response timed out).
related_temp_running_id	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
task_run_info_id	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
temp_id	Integer	Case or transaction ID.
temp_name	String	Case or transaction name.
temp_running_status	Integer	Running status (9 : waiting to run; 0 : running; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completely stopped); 5 : stopped by the user (stopping)).

Status code: 501**Table 4-45** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying details about the task whose ID is **1**.

```
/v1/{project_id}/tasks/1
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "taskInfo" : {
    "bench_concurrent" : 100,
    "case_list" : [ {
      "case_id" : 18393,
      "case_type" : 0,
      "contents" : [ {
        "content_id" : 0,
        "content" : [ {
          "content_type" : 2,
          "content" : {
            "body_type" : 0,
            "bodys" : [ ],
            "check_end_length" : null,
            "check_end_str" : null,
            "check_end_type" : null,
            "connect_timeout" : 5000,
            "connect_type" : 1,
            "headers" : [ {
              "key" : "Content-Type",
              "value" : "application/json"
            } ],
            "http_version" : "HTTP/1.1",
            "method" : "GET",
            "name" : "Msg-33419",
            "protocol_type" : 2,
            "return_timeout" : 5000,
            "return_timeout_param" : null,
            "url" : "https://www.domain-example.com"
          }
        ]
      } ],
      "index" : 0,
      "selected_temp_name" : "",
      "data" : null,
      "data_type" : 0,
      "conditions" : null,
      "is_disabled" : false
    } ],
    "for_loop_params" : [ ],
    "increase_setting" : [ ],
    "name" : "case",
    "sort" : 1,
    "stages" : [ {
      "operate_mode" : 0,
      "name" : "Stage-pd44",
      "time" : 60,
      "start_time" : 0,
      "end_time" : 0,
      "issue_num" : 10,
      "count" : 1,
      "pressure_mode" : 0,
      "tps_value" : 1,
      "current_user_num" : 10,
      "current_tps" : 1,
      "voltage_regulating_mode" : 0,
      "maximum" : 3,
      "minimum" : 1,
      "loop_count" : 2,
      "max_duration" : 30,
      "ramp_up" : 30,
      "peak_load_kpis" : {
        "average_response_time" : {
          "comparison" : "<=",
          "value" : 60000
        }
      },
      "success_rate" : {
        "comparison" : ">=",

```

```
        "value" : 0
      },
      "step_duration" : 30,
      "step_size" : 1
    } ],
    "status" : 1,
    "temp_id" : 0
  } ],
  "create_time" : "2022-09-20T14:23:42.87449+08:00",
  "description" : "",
  "name" : "task",
  "operate_mode" : 2,
  "parallel" : false,
  "project_id" : 17543,
  "related_temp_running_data" : [ {
    "content_method_url" : [ "testRequest#GET#https://www.example.com" ],
    "crawler_status" : 9,
    "related_temp_running_id" : 93868,
    "task_run_info_id" : 79515,
    "temp_id" : 0,
    "temp_name" : "testCase",
    "temp_running_status" : 2
  } ],
  "run_status" : 2,
  "update_time" : "2022-09-20T14:23:43.579707+08:00"
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2.3 Modifying a Task (Old Edition)

Function

This API is used to modify a task on the old UI.

URI

PUT /v1/{project_id}/tasks/{task_id}

Table 4-46 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.

Request Parameters

Table 4-47 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	Integer	Task ID.
name	Yes	String	Task name.
description	No	String	Description.
project_id	Yes	Integer	Project ID.
run_status	No	Integer	Task running status (9 : waiting to run; 0 : running; 1 : paused; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completed); 5 : stopped by the user).
run_type	No	Integer	Task type. 0 : old edition task; 1 : new edition task.
task_run_info	No	TaskRunInfo object	Task running information.
case_list	No	Array of CaseInfoDetail objects	Case information.
operate_mode	No	Integer	Pressure phase mode (0 : by duration; 1 : by count).
bench_concurrent	No	Integer	Benchmark concurrency.
related_temp_running_data	No	Array of RelatedTempRunningData objects	Brief information about the latest running report.

Table 4-48 TaskRunInfo

Parameter	Mandatory	Type	Description
id	No	Integer	Task ID.
run_type	No	Integer	Task type (0 : old edition task; 1 : new edition task).

Table 4-49 CaseInfoDetail

Parameter	Mandatory	Type	Description
case_id	No	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
name	No	String	Case name.
case_type	No	Integer	Case type (0 : normal case).
contents	No	Array of Contents objects	Case script information.
for_loop_params	No	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
increase_setting	No	Array of objects	Gradient increment.
stages	No	Array of TestCaseStage objects	Phase information.
status	No	Integer	Status (0 : deleted; 1 : enabled; 2 : disabled).
temp_id	No	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
sort	No	Integer	Sorting field.
directory_id	No	Integer	Directory ID of the case. This parameter is optional for APIs of earlier versions.
setup_contents	No	Array of Contents objects	Preparations.

Parameter	Mandatory	Type	Description
user_replicas	No	Integer	Actuators.
collect_log_policy	No	Integer	Log collection policy (0 : request mode; 1 : case mode).
link_app_list	No	Array of integers	Associated full-link application list.
case_info	No	CaseDoc object	Text case information.

Table 4-50 TestCaseStage

Parameter	Mandatory	Type	Description
operate_mode	No	Integer	Pressure phase mode (0 : by duration; 1 : by count).
name	No	String	Phase name.
time	No	Integer	Duration, in seconds.
start_time	No	Integer	Start time.
end_time	No	Integer	End time.
issue_num	No	Integer	Maximum concurrency.
count	No	Integer	Total transmission times.
pressure_mode	No	Integer	Pressure mode (0 : concurrent mode; 1 : TPS mode; 2 : high pressure mode; 3 : surge concurrency mode; 4 : surge TPS mode; 5 : flapping concurrency mode; 6 : flapping TPS mode; 7 : intelligent high pressure mode).
tps_value	No	Integer	TPS value in TPS mode.
current_user_num	No	Integer	Start concurrency.
current_tps	No	Integer	Start TPS value.
voltage_regulating_mode	No	Integer	Pressure adjustment mode (0 : automated; 1 : manual).
maximum	No	Integer	Maximum concurrency in the surge mode.
minimum	No	Integer	Minimum concurrency in the surge mode.

Parameter	Mandatory	Type	Description
loop_count	No	Integer	Oscillation/surge times.
max_duration	No	Integer	Peak duration in the surge mode.
ramp_up	No	Integer	Ramp up (in seconds) in the peakload mode.
peak_load_kpis	No	StageKpiltems object	Expected KPI.
step_duration	No	Integer	Single-step execution duration in the intelligent peakload mode.
step_size	No	Integer	Increase concurrency in the intelligent peakload mode.

Table 4-51 StageKpiltems

Parameter	Mandatory	Type	Description
average_response_time	No	StageKpiltem object	Average response time.
success_rate	No	StageKpiltem object	Success rate.

Table 4-52 StageKpiltem

Parameter	Mandatory	Type	Description
comparison	No	String	Comparison operator.
value	No	Integer	Comparison value.

Table 4-53 Contents

Parameter	Mandatory	Type	Description
content_id	No	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction. If the transaction ID is not 0 , the card is a transaction. If it is 0 , the card is not a transaction.

Parameter	Mandatory	Type	Description
content	No	Array of Content objects	Content.
index	No	Integer	Sorting index.
selected_temp_name	No	String	Name of the selected transaction or case.
data	No	Object	Data to which the loop and condition controller apply.
data_type	No	Integer	Type (0 : default request; 1 : data instruction; 201 : cycle instruction; 202 : condition instruction; 301 : rendezvous point).
conditions	No	Object	If the type is 202 (condition instruction), this field configures the condition.
is_disabled	No	Boolean	Whether to disable the AW.

Table 4-54 Content

Parameter	Mandatory	Type	Description
content_type	No	Integer	Case card type (1 : think time; 2 : packet; 3 : checkpoint; 4 : variable extraction).
content	No	ContentInfo object	Content.

Table 4-55 ContentInfo

Parameter	Mandatory	Type	Description
body_type	No	Integer	Body type (0 : string; 1 : form-data format; 3 : x-www-form-urlencoded format).
bodys	No	Array of objects	Request body.
check_end_length	No	Object	Length of the data returned through TCP/UDP.

Parameter	Mandatory	Type	Description
check_end_str	No	Object	End character returned through TCP/UDP.
check_end_type	No	Object	End type (1: data length; 2: end character) returned through TCP/UDP.
connect_timeout	No	Integer	Timeout duration.
connect_type	No	Integer	Connection settings. This parameter is not used in the current edition.
headers	No	Array of ContentHeader objects	Request header.
http_version	No	String	HTTP version.
method	No	String	HTTP method.
name	No	String	Case name.
protocol_type	No	Integer	Protocol type (1: HTTP; 2: HTTPS; 3: TCP; 4: UDP; 7: HLS/RTMP; 9: WebSocket; 10: HTTP-FLV; 11: MQTT).
return_timeout	No	Integer	Response timeout.
return_timeout_param	No	String	Response timeout parameter.
url	No	String	Request URL.
rtmp_url	No	String	RTMP address.
flv_url	No	String	FLV address.
bitrate_type	No	Integer	Resolution policy.
duration	No	Integer	Duration.
retry_delay	No	Integer	HLS retry delay.
retry_time	No	Integer	HLS retries.

Table 4-56 ContentHeader

Parameter	Mandatory	Type	Description
key	No	String	Key.

Parameter	Mandatory	Type	Description
value	No	String	Value.

Table 4-57 CaseDoc

Parameter	Mandatory	Type	Description
description	No	String	Case description.
label_names	No	Array of strings	Tags.
preparation	No	String	Preparations.
rank	No	Integer	Case level (0 : L0, 1 : L1, 2 : L2, 3 : L3, 4 : L4).
status_code	No	Integer	Status (0 : new; 5 : designing; 6 : testing; 7 : completed).
steps	No	Array of steps objects	Procedure.

Table 4-58 steps

Parameter	Mandatory	Type	Description
expect_result	No	String	Step description.
test_step	No	String	Expected result.

Table 4-59 RelatedTempRunningData

Parameter	Mandatory	Type	Description
task_run_info_id	No	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
related_temp_running_id	No	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).

Parameter	Mandatory	Type	Description
temp_id	No	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
temp_name	No	String	Case name.
content_meth od_url	No	Array of strings	Request information, including the request name, method, and URL.
related_temp_ running_data	No	Array of TempRunnin gData objects	Brief information about the latest running report.

Table 4-60 TempRunningData

Parameter	Mandatory	Type	Description
content_meth od_url	No	Array of strings	Request information, including the request name, method, and URL.
crawler_status	No	Integer	Request running status (0 : normal response; 1 : parsing failed; 2 : comparison failed; 3 : response timed out).
related_temp_ running_id	No	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
task_run_info_ _id	No	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
temp_id	No	Integer	Case or transaction ID.
temp_name	No	String	Case or transaction name.
temp_running_ _status	No	Integer	Running status (9 : waiting to run; 0 : running; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completely stopped); 5 : stopped by the user (stopping)).

Response Parameters

Status code: 200

Table 4-61 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
taskInfo	TaskInfo object	Task details.

Table 4-62 TaskInfo

Parameter	Type	Description
bench_concurrent	Integer	Benchmark concurrency.
case_list	Array of CaseInfoDetail objects	Case ID list. A case ID is the value of json.test_case_id in the response body of the API for creating a case.
create_time	String	Creation time.
description	String	Description.
name	String	Task name.
operate_mode	Integer	Task mode (0 : by duration; 1 : by count; 2 : both).
project_id	Integer	ID of the project to which the task belongs.
related_temp_running_data	Array of RelatedTempRunningData objects	Brief information about the latest running report, including the running task ID, that is, the task_run_info_id of the object. ID of a running case, that is, related_temp_running_id of the object.
run_status	Integer	Task running status (9 : waiting to run; 0 : running; 1 : paused; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completed); 5 : stopped by the user).
update_time	String	Time when a task is updated.

Parameter	Type	Description
parallel	Boolean	Whether cases are executed in parallel between tasks.

Table 4-63 CaseInfoDetail

Parameter	Type	Description
case_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
name	String	Case name.
case_type	Integer	Case type (0 : normal case).
contents	Array of Contents objects	Case script information.
for_loop_params	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
increase_setting	Array of objects	Gradient increment.
stages	Array of TestCaseStage objects	Phase information.
status	Integer	Status (0 : deleted; 1 : enabled; 2 : disabled).
temp_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
sort	Integer	Sorting field.
directory_id	Integer	Directory ID of the case. This parameter is optional for APIs of earlier versions.
setup_contents	Array of Contents objects	Preparations.
user_replicas	Integer	Actuators.
collect_log_policy	Integer	Log collection policy (0 : request mode; 1 : case mode).
link_app_list	Array of integers	Associated full-link application list.
case_info	CaseDoc object	Text case information.

Table 4-64 TestCaseStage

Parameter	Type	Description
operate_mode	Integer	Pressure phase mode (0 : by duration; 1 : by count).
name	String	Phase name.
time	Integer	Duration, in seconds.
start_time	Integer	Start time.
end_time	Integer	End time.
issue_num	Integer	Maximum concurrency.
count	Integer	Total transmission times.
pressure_mode	Integer	Pressure mode (0 : concurrent mode; 1 : TPS mode; 2 : high pressure mode; 3 : surge concurrency mode; 4 : surge TPS mode; 5 : flapping concurrency mode; 6 : flapping TPS mode; 7 : intelligent high pressure mode).
tps_value	Integer	TPS value in TPS mode.
current_user_num	Integer	Start concurrency.
current_tps	Integer	Start TPS value.
voltage_regulating_mode	Integer	Pressure adjustment mode (0 : automated; 1 : manual).
maximum	Integer	Maximum concurrency in the surge mode.
minimum	Integer	Minimum concurrency in the surge mode.
loop_count	Integer	Oscillation/surge times.
max_duration	Integer	Peak duration in the surge mode.
ramp_up	Integer	Ramp up (in seconds) in the peakload mode.
peak_load_kpis	StageKpiItems object	Expected KPI.
step_duration	Integer	Single-step execution duration in the intelligent peakload mode.
step_size	Integer	Increase concurrency in the intelligent peakload mode.

Table 4-65 StageKpiltems

Parameter	Type	Description
average_response_time	StageKpiltem object	Average response time.
success_rate	StageKpiltem object	Success rate.

Table 4-66 StageKpiltem

Parameter	Type	Description
comparison	String	Comparison operator.
value	Integer	Comparison value.

Table 4-67 Contents

Parameter	Type	Description
content_id	Integer	Transaction ID, which is the value of templd in the response body of the API for creating a transaction. If the transaction ID is not 0 , the card is a transaction. If it is 0 , the card is not a transaction.
content	Array of Content objects	Content.
index	Integer	Sorting index.
selected_temp_name	String	Name of the selected transaction or case.
data	Object	Data to which the loop and condition controller apply.
data_type	Integer	Type (0 : default request; 1 : data instruction; 201 : cycle instruction; 202 : condition instruction; 301 : rendezvous point).
conditions	Object	If the type is 202 (condition instruction), this field configures the condition.
is_disabled	Boolean	Whether to disable the AW.

Table 4-68 Content

Parameter	Type	Description
content_type	Integer	Case card type (1 : think time; 2 : packet; 3 : checkpoint; 4 : variable extraction).
content	ContentInfo object	Content.

Table 4-69 ContentInfo

Parameter	Type	Description
body_type	Integer	Body type (0 : string; 1 : form-data format; 3 : x-www-form-urlencoded format).
bodys	Array of objects	Request body.
check_end_length	Object	Length of the data returned through TCP/UDP.
check_end_str	Object	End character returned through TCP/UDP.
check_end_type	Object	End type (1 : data length; 2 : end character) returned through TCP/UDP.
connect_timeout	Integer	Timeout duration.
connect_type	Integer	Connection settings. This parameter is not used in the current edition.
headers	Array of ContentHeader objects	Request header.
http_version	String	HTTP version.
method	String	HTTP method.
name	String	Case name.
protocol_type	Integer	Protocol type (1 : HTTP; 2 : HTTPS; 3 : TCP; 4 : UDP; 7 : HLS/RTMP; 9 : WebSocket; 10 : HTTP-FLV; 11 : MQTT).
return_timeout	Integer	Response timeout.
return_timeout_param	String	Response timeout parameter.
url	String	Request URL.

Parameter	Type	Description
rtmp_url	String	RTMP address.
flv_url	String	FLV address.
bitrate_type	Integer	Resolution policy.
duration	Integer	Duration.
retry_delay	Integer	HLS retry delay.
retry_time	Integer	HLS retries.

Table 4-70 ContentHeader

Parameter	Type	Description
key	String	Key.
value	String	Value.

Table 4-71 CaseDoc

Parameter	Type	Description
description	String	Case description.
label_names	Array of strings	Tags.
preparation	String	Preparations.
rank	Integer	Case level (0 : L0, 1 : L1, 2 : L2, 3 : L3, 4 : L4).
status_code	Integer	Status (0 : new; 5 : designing; 6 : testing; 7 : completed).
steps	Array of steps objects	Procedure.

Table 4-72 steps

Parameter	Type	Description
expect_result	String	Step description.
test_step	String	Expected result.

Table 4-73 RelatedTempRunningData

Parameter	Type	Description
task_run_info_id	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
related_temp_running_id	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
temp_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
temp_name	String	Case name.
content_method_url	Array of strings	Request information, including the request name, method, and URL.
related_temp_running_data	Array of TempRunningData objects	Brief information about the latest running report.

Table 4-74 TempRunningData

Parameter	Type	Description
content_method_url	Array of strings	Request information, including the request name, method, and URL.
crawler_status	Integer	Request running status (0 : normal response; 1 : parsing failed; 2 : comparison failed; 3 : response timed out).
related_temp_running_id	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
task_run_info_id	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
temp_id	Integer	Case or transaction ID.
temp_name	String	Case or transaction name.

Parameter	Type	Description
temp_running_status	Integer	Running status (9 : waiting to run; 0 : running; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completely stopped); 5 : stopped by the user (stopping)).

Status code: 501**Table 4-75** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Changing the name of the task whose ID is **1** to **taskName**.

```
/v1/{project_id}/tasks/1
{
  "id" : 1,
  "name" : "taskName",
  "description" : "",
  "project_id" : 1,
  "run_status" : 2,
  "run_type" : 0,
  "task_run_info" : {
    "id" : 0,
    "run_type" : 0
  },
  "case_list" : [ ],
  "operate_mode" : 2,
  "bench_concurrent" : 100,
  "related_temp_running_data" : [ {
    "task_run_info_id" : 325,
    "related_temp_running_id" : 350,
    "temp_id" : 0,
    "temp_name" : "asdf"
  } ]
}
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.00000000",
  "message" : "success",
  "taskInfo" : {
    "bench_concurrent" : 100,
    "case_list" : [ {
      "case_id" : 211751,
      "case_type" : 0,

```

```
"contents": [ {
  "content_id": 0,
  "content": [ {
    "content_type": 2,
    "content": {
      "body_type": 0,
      "bodys": [ ],
      "check_end_length": null,
      "check_end_str": null,
      "check_end_type": null,
      "connect_timeout": 5000,
      "connect_type": 1,
      "headers": [ {
        "key": "Content-Type",
        "value": "application/json"
      } ],
      "http_version": "HTTP/1.1",
      "method": "GET",
      "name": "Msg-43147",
      "protocol_type": 1,
      "return_timeout": 5000,
      "return_timeout_param": null,
      "url": "https://www.example.com"
    }
  ] ],
  "index": 0,
  "selected_temp_name": "",
  "data": null,
  "data_type": 0,
  "conditions": null
} ],
"for_loop_params": [ ],
"increase_setting": [ ],
"sort": 1,
"stages": [ ],
"status": 1,
"temp_id": 0,
"user_replicas": 0
}, {
  "case_id": 213142,
  "case_type": 0,
  "contents": null,
  "for_loop_params": [ ],
  "increase_setting": [ ],
  "sort": 2,
  "stages": [ ],
  "status": 1,
  "temp_id": 0,
  "user_replicas": 0
} ],
"create_time": "2022-01-18T15:20:50.466972+08:00",
"description": "",
"name": "task",
"operate_mode": 2,
"parallel": false,
"project_id": 122025,
"related_temp_running_data": [ ],
"run_status": 2,
"update_time": "2022-01-20T15:00:44.284053+08:00"
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2.4 Deleting a Task (Old Edition)

Function

This API is used to delete a task on the old UI.

URI

DELETE /v1/{project_id}/tasks/{task_id}

Table 4-76 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.

Request Parameters

None

Response Parameters

Status code: 204

success

Status code: 501

Table 4-77 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Deleting the task whose ID is 1.

```
/v1/projectId/tasks/1
```

Example Responses

None

Status Codes

Status Code	Description
204	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2.5 Creating a Task (Old Edition)

Function

This API is used to create a task on the old UI.

URI

POST /v1/{project_id}/tasks

Table 4-78 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Request Parameters

Table 4-79 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name.
project_id	Yes	Integer	Project ID.
temps	No	Array of strings	Transaction information.
operate_mode	No	Integer	Pressure phase mode (0 : by duration; 1 : by count; 2 : both).
bench_concurrent	No	Integer	Benchmark concurrency.

Response Parameters

Status code: 201

Table 4-80 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
task_id	Integer	Task ID.

Status code: 501

Table 4-81 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Creating a task named **task**. The ID of the PerfTest project to which the task belongs is **1**.

```
/v1/{project_id}/tasks
{
  "name" : "task",
  "project_id" : 1,
```

```
"temps" : [ ],  
"operate_mode" : 2,  
"bench_concurrent" : 100  
}
```

Example Responses

Status code: 201

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
  "message" : "success",  
  "task_id" : 184138  
}
```

Status Codes

Status Code	Description
201	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2.6 Updating Task Status (Old Version)

Function

Updating Task Status (Old Version)

URI

POST /v1/{project_id}/test-suites/{test_suite_id}/tasks/{task_id}

Table 4-82 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Parameter	Mandatory	Type	Description
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.

Request Parameters

Table 4-83 Request body parameters

Parameter	Mandatory	Type	Description
cluster_id	Yes	Integer	Resource group ID.
cluster_type	Yes	String	Resource group type (shared-cluster-internet : shared resource group; private-cluster : private resource group).
without_package	Yes	Integer	Whether to use the pay-per-use billing mode when the VUM of the package is insufficient. The value is fixed at 0 in the current edition.
network_info	Yes	NetworkInfo object	Network information.
status	Yes	Integer	Status (9 : task started; 2 : task stopped).
enterprise_project_id	No	String	Enterprise project ID.

Table 4-84 NetworkInfo

Parameter	Mandatory	Type	Description
network_type	Yes	String	Network type (fixed value: internet).

Response Parameters

Status code: 200

Table 4-85 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
extend	String	Extension information.
result	UpdateTaskStatusResult object	Status update result.

Table 4-86 UpdateTaskStatusResult

Parameter	Type	Description
task_run_id	Integer	ID of a running task, that is, the report ID.

Status code: 501**Table 4-87** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

- Starting a task whose ID is **1**. The ID of the project to which the task belongs is **1**. Use the shared resource group to start the task.

```
/v1/{project_id}/test-suites/1/tasks/1

{
  "cluster_id" : 0,
  "enterprise_project_id" : "0",
  "cluster_type" : "shared-cluster-internet",
  "without_package" : 0,
  "network_info" : {
    "network_type" : "internet"
  },
  "status" : 9
}
```

- Starting a task whose ID is **1**. The ID of the project to which the task belongs is **1**.

```
/v1/{project_id}/test-suites/1/tasks/1

{
  "cluster_id" : -1,
  "enterprise_project_id" : "0",
  "cluster_type" : "shared-cluster-internet",
  "network_info" : {
    "network_type" : "internet"
  }
}
```

```
},  
"status" : 2,  
"without_package" : 0  
}
```

Example Responses

Status code: 200

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
  "message" : "success",  
  "extend" : null,  
  "result" : {  
    "task_run_id" : 32517  
  }  
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.2.7 Modifying the Case Associated with the Task

Function

This API is used to modify the case associated with the task.

URI

PUT /v3/{project_id}/tasks/{task_id}

Table 4-88 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.

Request Parameters

Table 4-89 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name.
parallel	Yes	Boolean	Parallel status that indicates whether test cases are executed in parallel during task execution. true : parallel execution; false : serial execution.
project_id	Yes	Integer	Project ID.
operate_mode	Yes	Integer	Task mode. This parameter is reserved for compatibility with interfaces of earlier versions. The options are 0 (by duration), 1 (by count), and 2 (Both). The value is fixed to 2 .
case_id_list	Yes	Array of integers	ID list of associated cases.

Response Parameters

Status code: 200**Table 4-90** Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
taskInfo	TaskInfo object	Task details.

Table 4-91 TaskInfo

Parameter	Type	Description
bench_concurrent	Integer	Benchmark concurrency.
case_list	Array of CaseInfoDetail objects	Case ID list. A case ID is the value of json.test_case_id in the response body of the API for creating a case.
create_time	String	Creation time.

Parameter	Type	Description
description	String	Description.
name	String	Task name.
operate_mode	Integer	Task mode (0 : by duration; 1 : by count; 2 : both).
project_id	Integer	ID of the project to which the task belongs.
related_temp_running_data	Array of RelatedTempRunningData objects	Brief information about the latest running report, including the running task ID, that is, the task_run_info_id of the object. ID of a running case, that is, related_temp_running_id of the object.
run_status	Integer	Task running status (9 : waiting to run; 0 : running; 1 : paused; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completed); 5 : stopped by the user).
update_time	String	Time when a task is updated.
parallel	Boolean	Whether cases are executed in parallel between tasks.

Table 4-92 CaseInfoDetail

Parameter	Type	Description
case_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
name	String	Case name.
case_type	Integer	Case type (0 : normal case).
contents	Array of Contents objects	Case script information.
for_loop_params	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
increase_setting	Array of objects	Gradient increment.
stages	Array of TestCaseStage objects	Phase information.

Parameter	Type	Description
status	Integer	Status (0 : deleted; 1 : enabled; 2 : disabled).
temp_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
sort	Integer	Sorting field.
directory_id	Integer	Directory ID of the case. This parameter is optional for APIs of earlier versions.
setup_contents	Array of Contents objects	Preparations.
user_replicas	Integer	Actuators.
collect_log_policy	Integer	Log collection policy (0 : request mode; 1 : case mode).
link_app_list	Array of integers	Associated full-link application list.
case_info	CaseDoc object	Text case information.

Table 4-93 TestCaseStage

Parameter	Type	Description
operate_mode	Integer	Pressure phase mode (0 : by duration; 1 : by count).
name	String	Phase name.
time	Integer	Duration, in seconds.
start_time	Integer	Start time.
end_time	Integer	End time.
issue_num	Integer	Maximum concurrency.
count	Integer	Total transmission times.
pressure_mode	Integer	Pressure mode (0 : concurrent mode; 1 : TPS mode; 2 : high pressure mode; 3 : surge concurrency mode; 4 : surge TPS mode; 5 : flapping concurrency mode; 6 : flapping TPS mode; 7 : intelligent high pressure mode).
tps_value	Integer	TPS value in TPS mode.
current_user_num	Integer	Start concurrency.

Parameter	Type	Description
current_tps	Integer	Start TPS value.
voltage_regulating_mode	Integer	Pressure adjustment mode (0 : automated; 1 : manual).
maximum	Integer	Maximum concurrency in the surge mode.
minimum	Integer	Minimum concurrency in the surge mode.
loop_count	Integer	Oscillation/surge times.
max_duration	Integer	Peak duration in the surge mode.
ramp_up	Integer	Ramp up (in seconds) in the peakload mode.
peak_load_kpis	StageKpiltems object	Expected KPI.
step_duration	Integer	Single-step execution duration in the intelligent peakload mode.
step_size	Integer	Increase concurrency in the intelligent peakload mode.

Table 4-94 StageKpiltems

Parameter	Type	Description
average_response_time	StageKpiltem object	Average response time.
success_rate	StageKpiltem object	Success rate.

Table 4-95 StageKpiltem

Parameter	Type	Description
comparison	String	Comparison operator.
value	Integer	Comparison value.

Table 4-96 Contents

Parameter	Type	Description
content_id	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction. If the transaction ID is not 0 , the card is a transaction. If it is 0 , the card is not a transaction.
content	Array of Content objects	Content.
index	Integer	Sorting index.
selected_temp_name	String	Name of the selected transaction or case.
data	Object	Data to which the loop and condition controller apply.
data_type	Integer	Type (0 : default request; 1 : data instruction; 201 : cycle instruction; 202 : condition instruction; 301 : rendezvous point).
conditions	Object	If the type is 202 (condition instruction), this field configures the condition.
is_disabled	Boolean	Whether to disable the AW.

Table 4-97 Content

Parameter	Type	Description
content_type	Integer	Case card type (1 : think time; 2 : packet; 3 : checkpoint; 4 : variable extraction).
content	ContentInfo object	Content.

Table 4-98 ContentInfo

Parameter	Type	Description
body_type	Integer	Body type (0 : string; 1 : form-data format; 3 : x-www-form-urlencoded format).
bodys	Array of objects	Request body.

Parameter	Type	Description
check_end_length	Object	Length of the data returned through TCP/UDP.
check_end_str	Object	End character returned through TCP/UDP.
check_end_type	Object	End type (1: data length; 2: end character) returned through TCP/UDP.
connect_timeout	Integer	Timeout duration.
connect_type	Integer	Connection settings. This parameter is not used in the current edition.
headers	Array of ContentHeader objects	Request header.
http_version	String	HTTP version.
method	String	HTTP method.
name	String	Case name.
protocol_type	Integer	Protocol type (1: HTTP; 2: HTTPS; 3: TCP; 4: UDP; 7: HLS/RTMP; 9: WebSocket; 10: HTTP-FLV; 11: MQTT).
return_timeout	Integer	Response timeout.
return_timeout_param	String	Response timeout parameter.
url	String	Request URL.
rtmp_url	String	RTMP address.
flv_url	String	FLV address.
bitrate_type	Integer	Resolution policy.
duration	Integer	Duration.
retry_delay	Integer	HLS retry delay.
retry_time	Integer	HLS retries.

Table 4-99 ContentHeader

Parameter	Type	Description
key	String	Key.
value	String	Value.

Table 4-100 CaseDoc

Parameter	Type	Description
description	String	Case description.
label_names	Array of strings	Tags.
preparation	String	Preparations.
rank	Integer	Case level (0 : L0, 1 : L1, 2 : L2, 3 : L3, 4 : L4).
status_code	Integer	Status (0 : new; 5 : designing; 6 : testing; 7 : completed).
steps	Array of steps objects	Procedure.

Table 4-101 steps

Parameter	Type	Description
expect_result	String	Step description.
test_step	String	Expected result.

Table 4-102 RelatedTempRunningData

Parameter	Type	Description
task_run_info_id	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
related_temp_running_id	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
temp_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
temp_name	String	Case name.
content_method_url	Array of strings	Request information, including the request name, method, and URL.

Parameter	Type	Description
related_temp_running_data	Array of TempRunningData objects	Brief information about the latest running report.

Table 4-103 TempRunningData

Parameter	Type	Description
content_method_url	Array of strings	Request information, including the request name, method, and URL.
crawler_status	Integer	Request running status (0 : normal response; 1 : parsing failed; 2 : comparison failed; 3 : response timed out).
related_temp_running_id	Integer	ID of a running case. The value is same as that of the running case ID (case_run_id) of other APIs (such as a report API).
task_run_info_id	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
temp_id	Integer	Case or transaction ID.
temp_name	String	Case or transaction name.
temp_running_status	Integer	Running status (9 : waiting to run; 0 : running; 2 : ended; 3 : stopped abnormally; 4 : stopped by the user (completely stopped); 5 : stopped by the user (stopping)).

Status code: 501**Table 4-104** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Modifying the task whose ID is **1** by changing the task name to **task**. The case IDs associated with the task are 16674 and 16675.

```
/v3/{project_id}/tasks/1

{
  "name" : "task",
  "parallel" : false,
  "project_id" : 17543,
  "operate_mode" : 2,
  "case_id_list" : [ 16674, 16675 ]
}
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "taskInfo" : {
    "bench_concurrent" : 100,
    "case_list" : [ {
      "case_id" : 211751,
      "case_type" : 0,
      "contents" : [ {
        "content_id" : 0,
        "content" : [ {
          "content_type" : 2,
          "content" : {
            "body_type" : 0,
            "bodys" : [ ],
            "check_end_length" : null,
            "check_end_str" : null,
            "check_end_type" : null,
            "connect_timeout" : 5000,
            "connect_type" : 1,
            "headers" : [ {
              "key" : "Content-Type",
              "value" : "application/json"
            } ],
            "http_version" : "HTTP/1.1",
            "method" : "GET",
            "name" : "Msg-43147",
            "protocol_type" : 1,
            "return_timeout" : 5000,
            "return_timeout_param" : null,
            "url" : "https://www.example.com"
          }
        } ],
        "index" : 0,
        "selected_temp_name" : "",
        "data" : null,
        "data_type" : 0,
        "conditions" : null
      } ],
      "for_loop_params" : [ ],
      "increase_setting" : [ ],
      "sort" : 1,
      "stages" : [ ],
      "status" : 1,
      "temp_id" : 0,
      "user_replicas" : 0
    } ], {

```

```
{
  "case_id" : 213142,
  "case_type" : 0,
  "contents" : null,
  "for_loop_params" : [ ],
  "increase_setting" : [ ],
  "sort" : 2,
  "stages" : [ ],
  "status" : 1,
  "temp_id" : 0,
  "user_replicas" : 0
},
{
  "create_time" : "2022-01-18T15:20:50.466972+08:00",
  "description" : "",
  "name" : "task",
  "operate_mode" : 2,
  "parallel" : false,
  "project_id" : 122025,
  "related_temp_running_data" : [ ],
  "run_status" : 2,
  "update_time" : "2022-01-20T15:00:44.284053+08:00"
}
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.3 Case Management

4.3.1 Creating a Case (Old Edition)

Function

This API is used to create a case on the old UI.

URI

POST /v1/{project_id}/task-cases

Table 4-105 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Request Parameters

Table 4-106 Request body parameters

Parameter	Mandatory	Type	Description
name	Yes	String	Name.
type	Yes	Integer	Type (0 : common case; 1 : video stream case; 2 : preset case).
task_id	Yes	Integer	Task ID.

Response Parameters

Status code: 201

Table 4-107 Response body parameters

Parameter	Type	Description
code	String	Response code.
json	CreateCaseResultJson object	json
message	String	Response message.

Table 4-108 CreateCaseResultJson

Parameter	Type	Description
task_case_id	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.

Status code: 501

Table 4-109 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Creating a case named **case1**. The ID of the task to which the case belongs is **1**.

```
/v1/projectId/task-cases
```

```
{
  "name" : "case1",
  "type" : 0,
  "task_id" : 1
}
```

Example Responses

Status code: 201

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "json" : {
    "task_case_id" : 213142
  },
  "message" : "success"
}
```

Status code: 501

unknown error

```
""
```

Status Codes

Status Code	Description
201	success
501	unknown error

Error Codes

See [Error Codes](#).

4.3.2 Deleting a Case (Old Edition)

Function

This API is used to delete a case on the old UI.

URI

DELETE /v1/{project_id}/task-cases/{case_id}

Table 4-110 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
case_id	Yes	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.

Request Parameters

None

Response Parameters

Status code: 204

success

Status code: 501

Table 4-111 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Deleting the case whose ID is 1.

```
/v1/projectId/task-cases/1
```

Example Responses

None

Status Codes

Status Code	Description
204	success

Status Code	Description
501	unknown error

Error Codes

See [Error Codes](#).

4.3.3 Modifying a Case (Old Edition)

Function

This API is used to modify a case on the old UI.

URI

PUT /v1/{project_id}/task-cases/{case_id}/target/{target}

Table 4-112 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
case_id	Yes	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
target	Yes	String	Case type.

Request Parameters

Table 4-113 Request body parameters

Parameter	Mandatory	Type	Description
case_id	No	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
name	No	String	Case name.
case_type	No	Integer	Case type (0: normal case).

Parameter	Mandatory	Type	Description
contents	No	Array of Contents objects	Case script information.
for_loop_params	No	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
increase_setting	No	Array of objects	Gradient increment.
stages	No	Array of TestCaseStage objects	Phase information.
status	No	Integer	Status (0 : deleted; 1 : enabled; 2 : disabled).
temp_id	No	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.
sort	No	Integer	Sorting field.
directory_id	No	Integer	Directory ID of the case. This parameter is optional for APIs of earlier versions.
setup_contents	No	Array of Contents objects	Preparations.
user_replicas	No	Integer	Actuators.
collect_log_policy	No	Integer	Log collection policy (0 : request mode; 1 : case mode).
link_app_list	No	Array of integers	Associated full-link application list.
case_info	No	CaseDoc object	Text case information.

Table 4-114 TestCaseStage

Parameter	Mandatory	Type	Description
operate_mode	No	Integer	Pressure phase mode (0 : by duration; 1 : by count).
name	No	String	Phase name.

Parameter	Mandatory	Type	Description
time	No	Integer	Duration, in seconds.
start_time	No	Integer	Start time.
end_time	No	Integer	End time.
issue_num	No	Integer	Maximum concurrency.
count	No	Integer	Total transmission times.
pressure_mode	No	Integer	Pressure mode (0 : concurrent mode; 1 : TPS mode; 2 : high pressure mode; 3 : surge concurrency mode; 4 : surge TPS mode; 5 : flapping concurrency mode; 6 : flapping TPS mode; 7 : intelligent high pressure mode).
tps_value	No	Integer	TPS value in TPS mode.
current_user_num	No	Integer	Start concurrency.
current_tps	No	Integer	Start TPS value.
voltage_regulating_mode	No	Integer	Pressure adjustment mode (0 : automated; 1 : manual).
maximum	No	Integer	Maximum concurrency in the surge mode.
minimum	No	Integer	Minimum concurrency in the surge mode.
loop_count	No	Integer	Oscillation/surge times.
max_duration	No	Integer	Peak duration in the surge mode.
ramp_up	No	Integer	Ramp up (in seconds) in the peakload mode.
peak_load_kpis	No	StageKpiItems object	Expected KPI.
step_duration	No	Integer	Single-step execution duration in the intelligent peakload mode.
step_size	No	Integer	Increase concurrency in the intelligent peakload mode.

Table 4-115 StageKpiltems

Parameter	Mandatory	Type	Description
average_response_time	No	StageKpiltem object	Average response time.
success_rate	No	StageKpiltem object	Success rate.

Table 4-116 StageKpiltem

Parameter	Mandatory	Type	Description
comparison	No	String	Comparison operator.
value	No	Integer	Comparison value.

Table 4-117 Contents

Parameter	Mandatory	Type	Description
content_id	No	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction. If the transaction ID is not 0 , the card is a transaction. If it is 0 , the card is not a transaction.
content	No	Array of Content objects	Content.
index	No	Integer	Sorting index.
selected_temp_name	No	String	Name of the selected transaction or case.
data	No	Object	Data to which the loop and condition controller apply.
data_type	No	Integer	Type (0 : default request; 1 : data instruction; 201 : cycle instruction; 202 : condition instruction; 301 : rendezvous point).
conditions	No	Object	If the type is 202 (condition instruction), this field configures the condition.
is_disabled	No	Boolean	Whether to disable the AW.

Table 4-118 Content

Parameter	Mandatory	Type	Description
content_type	No	Integer	Case card type (1 : think time; 2 : packet; 3 : checkpoint; 4 : variable extraction).
content	No	ContentInfo object	Content.

Table 4-119 ContentInfo

Parameter	Mandatory	Type	Description
body_type	No	Integer	Body type (0 : string; 1 : form-data format; 3 : x-www-form-urlencoded format).
bodys	No	Array of objects	Request body.
check_end_length	No	Object	Length of the data returned through TCP/UDP.
check_end_str	No	Object	End character returned through TCP/UDP.
check_end_type	No	Object	End type (1 : data length; 2 : end character) returned through TCP/UDP.
connect_timeout	No	Integer	Timeout duration.
connect_type	No	Integer	Connection settings. This parameter is not used in the current edition.
headers	No	Array of ContentHeader objects	Request header.
http_version	No	String	HTTP version.
method	No	String	HTTP method.
name	No	String	Case name.
protocol_type	No	Integer	Protocol type (1 : HTTP; 2 : HTTPS; 3 : TCP; 4 : UDP; 7 : HLS/RTMP; 9 : WebSocket; 10 : HTTP-FLV; 11 : MQTT).

Parameter	Mandatory	Type	Description
return_timeout	No	Integer	Response timeout.
return_timeout_param	No	String	Response timeout parameter.
url	No	String	Request URL.
rtmp_url	No	String	RTMP address.
flv_url	No	String	FLV address.
bitrate_type	No	Integer	Resolution policy.
duration	No	Integer	Duration.
retry_delay	No	Integer	HLS retry delay.
retry_time	No	Integer	HLS retries.

Table 4-120 ContentHeader

Parameter	Mandatory	Type	Description
key	No	String	Key.
value	No	String	Value.

Table 4-121 CaseDoc

Parameter	Mandatory	Type	Description
description	No	String	Case description.
label_names	No	Array of strings	Tags.
preparation	No	String	Preparations.
rank	No	Integer	Case level (0 : L0, 1 : L1, 2 : L2, 3 : L3, 4 : L4).
status_code	No	Integer	Status (0 : new; 5 : designing; 6 : testing; 7 : completed).
steps	No	Array of steps objects	Procedure.

Table 4-122 steps

Parameter	Mandatory	Type	Description
expect_result	No	String	Step description.
test_step	No	String	Expected result.

Response Parameters

Status code: 202

success

Status code: 501

Table 4-123 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

- Modifying a case by adding a request to it.

/v1/projectId/task-cases/caseId/target/content

```
{
  "contents": [ {
    "content_id": 0,
    "content": [ {
      "content_type": 2,
      "content": {
        "body_type": 0,
        "body": [ ],
        "check_end_length": null,
        "check_end_str": null,
        "check_end_type": null,
        "connect_timeout": 5000,
        "connect_type": 1,
        "headers": [ {
          "key": "Content-Type",
          "value": "application/json"
        } ],
        "http_version": "HTTP/1.1",
        "method": "GET",
        "name": "Msg-24642",
        "protocol_type": 1,
        "return_timeout": 5000,
        "return_timeout_param": null,
        "url": "http://1.1.1.1"
      }
    } ],
    "index": 0,
    "selected_temp_name": "",
    "data": null,
    "data_type": 0,
    "conditions": null,
    "is_disabled": false
  } ],
}
```

```
"for_loop_params" : [ ]  
}
```

- Modifying a case by adding a pressure phase to it.

/v1/projectId/task-cases/caseId/target/stage

```
{  
  "increase_setting" : [ ],  
  "stages" : [ {  
    "count" : 1,  
    "current_user_num" : 10,  
    "issue_num" : 10,  
    "name" : "Stage-teeb",  
    "operate_mode" : 0,  
    "pressure_mode" : 0,  
    "time" : 60,  
    "tps_value" : 1,  
    "voltage_regulating_mode" : 0,  
    "maximum" : 3,  
    "minimum" : 1,  
    "loop_count" : 2,  
    "max_duration" : 30,  
    "step_size" : 1,  
    "step_duration" : 30,  
    "ramp_up" : 30,  
    "peak_load_kpis" : {  
      "average_response_time" : {  
        "comparison" : "<=",  
        "value" : 60000  
      },  
      "success_rate" : {  
        "comparison" : ">=",  
        "value" : 0  
      }  
    }  
  }  
}]  
}
```

- Modifying a case by changing its name to **testCase**.

/v1/projectId/task-cases/caseId/target/name

```
{  
  "name" : "testCase"  
}
```

Example Responses

None

Status Codes

Status Code	Description
202	success
501	unknown error

Error Codes

See [Error Codes](#).

4.3.4 Debugging a Case (Old Version)

Function

Debugging a Case (Old Version)

URI

POST /v1/{project_id}/test-suites/{test_suite_id}/tasks/{task_id}/cases/{case_id}/debug

Table 4-124 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.
case_id	Yes	Integer	Case ID, which is the value of json.test_case_id in the response body of the API for creating a case.

Request Parameters

Table 4-125 Request body parameters

Parameter	Mandatory	Type	Description
status	Yes	Integer	Status (9 : debugging started).
cluster_id	Yes	Integer	Resource group ID.
cluster_type	Yes	String	Resource group type (shared-cluster-internet : shared resource group; private-cluster : private resource group).

Parameter	Mandatory	Type	Description
without_package	Yes	Integer	Whether to use the pay-per-use billing mode when the VUM of the package is insufficient. The value is fixed at 0 in the current edition.
type	No	Integer	Type. 0 (default): transaction; 1 : case.

Response Parameters

Status code: 200

Table 4-126 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
extend	String	Extension information.
result	Array of DebugCaseResult objects	Result.

Table 4-127 DebugCaseResult

Parameter	Type	Description
body	String	Response content.
errorReason	String	Error cause.
header	DebugCaseResult Header object	Request header.
name	String	Request name.
responseTime	Integer	Response time.
result	Integer	Debugging result (1 : successful).
returnBody	String	Response body.
returnHeader	DebugCaseResult Header object	Response header.
statusCode	String	Response status code.

Parameter	Type	Description
url	String	Request URL.

Table 4-128 DebugCaseResultHeader

Parameter	Type	Description
Connection	String	Connection.
Content-Type	String	Content type.
Host	String	Host.

Table 4-129 DebugCaseReturnHeader

Parameter	Type	Description
Connection	String	Connection.
Content-Length	String	Content length.
Content-Type	String	Content type.
Date	String	Time.
Vary	String	This parameter is reserved for compatibility and is not used in the current edition.

Status code: 501**Table 4-130** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Debugging the case whose ID is **1**. Use the shared resource group to start debugging.

```
/v1/projectId/test-suites/testSuiteId/tasks/0/cases/1/debug
```

```
{  
  "status" : 9,  
  "cluster_id" : 0,  
  "cluster_type" : "shared-cluster-internet",  
  "without_package" : 1,  
}
```

```
"type" : 1  
}
```

Example Responses

Status code: 200

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
  "message" : "success",  
  "extend" : null,  
  "result" : [ {  
    "body" : "",  
    "errorReason" : "",  
    "header" : {  
      "Content-Type" : "application/json",  
      "Host" : "117.xxx.xxx.xxx:xxx"  
    },  
    "name" : "Msg-84012",  
    "responseTime" : 24,  
    "result" : 1,  
    "returnBody" : "",  
    "returnHeader" : {  
      "Content-Length" : "0",  
      "Content-Type" : "text/plain; charset=utf-8",  
      "Date" : "Mon, 19 Sep 2022 07:29:46 GMT"  
    },  
    "statusCode" : "200 OK",  
    "url" : "GET https://117.xxx.xxx.xxx:xxx/goserver/reflect"  
  } ]  
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.4 Global Variable Management

4.4.1 Querying a Global Variable

Function

This API is used to query a global variable.

URI

GET /v1/{project_id}/variables/{variable_type}/test-suites/{test_suite_id}

Table 4-131 Path Parameters

Parameter	Mandatory	Type	Description
variable_type	Yes	Integer	Variable type.
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-132 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
variable_list	Array of VariableDetail objects	Variable list.

Table 4-133 VariableDetail

Parameter	Type	Description
file_size	Integer	File size.
id	Integer	Variable ID, which is the value of json.variable_id in the response body of the API for creating a variable.
is_quoted	Boolean	Reference status
name	String	Variable name.

Parameter	Type	Description
variable	Array of objects	Variable value.
variable_type	Integer	Variable type (1 : integer; 2 : enumeration; 3 : file; 5 : text).
variable_mode	Integer	Variable read mode (0 : sequential mode; 1 : random mode).
share_mode	Integer	Variable sharing mode (0 : case mode; 1 : concurrent mode).

Status code: 501

Table 4-134 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the variable list of the PerfTest project.

```
/v1/{project_id}/variables/{variable_type}/test-suites/1
```

```
{
  "code" : "SVCSTG.CPTS.00000000",
  "message" : "success",
  "variable_list" : [ {
    "file_size" : 0,
    "id" : 156769,
    "is_quoted" : false,
    "is_sensitive" : false,
    "name" : "var1",
    "share_mode" : 0,
    "variable" : [ "test" ],
    "variable_mode" : 0,
    "variable_type" : 2
  } ]
}
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.00000000",
  "message" : "success",
  "variable_list" : [ {
    "file_size" : 0,
    "id" : 37615,
    "is_quoted" : false,
    "name" : "var1",
```

```
"share_mode" : 0,  
"variable" : [ 1, 20 ],  
"variable_mode" : 0,  
"variable_type" : 1  
}, {  
  "file_size" : 0,  
  "id" : 36306,  
  "is_quoted" : true,  
  "name" : "var2",  
  "share_mode" : 0,  
  "variable" : [ "domain-example.com" ],  
  "variable_mode" : 0,  
  "variable_type" : 2  
}]  
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.4.2 Creating a Variable

Function

This API is used to create a variable.

URI

POST /v1/{project_id}/variables/{test_suite_id}

Table 4-135 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

Table 4-136 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of CreateVariableRequestBody objects	CreateVariableRequestBody

Table 4-137 CreateVariableRequestBody

Parameter	Mandatory	Type	Description
id	Yes	Integer	Variable ID, which is the value of json.variable_id in the response body of the API for creating a variable.
name	Yes	String	Variable name.
variable_type	Yes	Integer	Variable type (1 : integer; 2 : enumeration; 3 : file; 5 : text).
variable	Yes	Array of objects	Variable value.
is_quoted	Yes	Boolean	Reference status

Response Parameters

Status code: 201

Table 4-138 Response body parameters

Parameter	Type	Description
code	String	Response code.
json	CreateVariableResultJson object	Response JSON.
message	String	Response message.

Table 4-139 CreateVariableResultJson

Parameter	Type	Description
variable_id	Integer	Variable ID, which is the value of json.variable_id in the response body of the API for creating a variable.

Status code: 501**Table 4-140** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Creating a global variable named **varTest**. The ID of the project to which the variable belongs is **1**, the variable type is integer, and the variable value ranges from 1 to 10.

```
/v1/projectId/variables/1  
  
[ {  
  "name" : "varTest",  
  "variable_type" : 1,  
  "variable" : [ 1, 10 ],  
  "is_quoted" : false  
} ]
```

Example Responses

Status code: 201

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
  "json" : {  
    "variable_id" : 44245  
  },  
  "message" : "success"  
}
```

Status Codes

Status Code	Description
201	success
501	unknown error

Error Codes

See [Error Codes](#).

4.4.3 Modifying a Variable

Function

This API is used to modify a variable.

URI

PUT /v1/{project_id}/variables/{test_suite_id}

Table 4-141 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

Table 4-142 Request body parameters

Parameter	Mandatory	Type	Description
[items]	Yes	Array of UpdateVariableRequestBody objects	UpdateVariableRequestBody

Table 4-143 UpdateVariableRequestBody

Parameter	Mandatory	Type	Description
id	Yes	Integer	Variable ID, which is the value of json.variable_id in the response body of the API for creating a variable.
name	Yes	String	Variable name.

Parameter	Mandatory	Type	Description
variable_type	Yes	Integer	Variable type (1 : integer; 2 : enumeration; 3 : file; 5 : text).
variable	Yes	Array of objects	Variable value.

Response Parameters

Status code: 201

Table 4-144 Response body parameters

Parameter	Type	Description
code	String	Response code.
json	CreateVariableResultJson object	Response JSON.
message	String	Response message.

Table 4-145 CreateVariableResultJson

Parameter	Type	Description
variable_id	Integer	Variable ID, which is the value of json.variable_id in the response body of the API for creating a variable.

Status code: 501

Table 4-146 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Modifying the global variable named **varTest**. The ID of the project to which the variable belongs is **1**, the variable type is integer, and the variable value ranges from 1 to 10.

```
/v1/projectId/variables/1
```

```
[ {
```

```
"id" : 1,  
"name" : "varTest",  
"variable_type" : 1,  
"variable" : [ 1, 10 ]  
}]
```

Example Responses

Status code: 201

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
  "json" : {  
    "variable_id" : 44244  
  },  
  "message" : "success"  
}
```

Status Codes

Status Code	Description
201	success
501	unknown error

Error Codes

See [Error Codes](#).

4.4.4 Deleting a Global Variable

Function

This API is used to delete a global variable.

URI

DELETE /v1/{project_id}/variables

Table 4-147 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Table 4-148 Query Parameters

Parameter	Mandatory	Type	Description
variable_id	Yes	Integer	Global variable ID.
test_suite_id	Yes	Integer	Project ID.

Request Parameters

None

Response Parameters

Status code: 200

success

Status code: 501

Table 4-149 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Deleting the global variable whose ID is **1**. The ID of the project to which the variable belongs is **1**.

```
/v1/{project_id}/variables?variable_id=1&test_suite_id=1
```

Example Responses

None

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.5 Transaction Management

4.5.1 Querying a Transaction Set

Function

This API is used to query a transaction set.

URI

GET /v1/{project_id}/all-templates/{test_suite_id}

Table 4-150 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Table 4-151 Query Parameters

Parameter	Mandatory	Type	Description
offset	No	Integer	Query offset.
limit	No	Integer	Number of queried records.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-152 Response body parameters

Parameter	Type	Description
code	String	Response code.

Parameter	Type	Description
message	String	Response message.
temps	Array of TempDetailInfo objects	temps

Table 4-153 TempDetailInfo

Parameter	Type	Description
description	String	Description.
id	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction.
is_quoted	Boolean	Reference status
name	String	Transaction name.
temp_type	Integer	Transaction type (deprecated, reserved for compatibility).
update_time	String	Update time.

Status code: 501**Table 4-154** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the transaction set. The ID of the project to which the transactions belong is **1**.

```
/v1/projectId/all-templates/1
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "temps" : [ {
    "description" : "",
    "id" : 155175,
    "is_quoted" : false,
    "name" : "test",
    "temp_type" : 0,
    "update_time" : "2023-06-16T15:49:19.128871+08:00"
  } ]
}
```

```
    }]  
}
```

Example Responses

Status code: 200

success

```
{  
  "code" : "SVCSTG.CPTS.0000000",  
  "message" : "success",  
  "temps" : [ {  
    "description" : "",  
    "id" : 114448,  
    "is_quoted" : false,  
    "name" : "temp1",  
    "temp_type" : 0,  
    "update_time" : "2022-07-20T17:49:20.984763+08:00"  
  }, {  
    "description" : "",  
    "id" : 115964,  
    "is_quoted" : false,  
    "name" : "temp2",  
    "temp_type" : 0,  
    "update_time" : "2022-07-20T17:38:12.696491+08:00"  
  } ]  
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.5.2 Creating a Transaction

Function

This API is used to create a transaction.

URI

POST /v1/{project_id}/templates

Table 4-155 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Request Parameters

Table 4-156 Request body parameters

Parameter	Mandatory	Type	Description
project_id	Yes	Integer	Project ID.
temp_type	Yes	Integer	Transaction type.
name	Yes	String	Transaction name.
description	No	String	Description.
contents	No	Array of objects	Transaction script information.

Response Parameters

Status code: 201

Table 4-157 Response body parameters

Parameter	Type	Description
code	String	Response code.
tempId	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction.
message	String	Response message.

Status code: 501

Table 4-158 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Creating a transaction named **testTemp**. The ID of the project to which the transaction belongs is **1**.

```
/v1/{project_id}/templates
{
  "project_id" : 1,
  "temp_type" : 0,
  "name" : "testTemp",
  "contents" : [ ]
}
```

Example Responses

Status code: 201

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "templId" : 155231
}
```

Status Codes

Status Code	Description
201	success
501	unknown error

Error Codes

See [Error Codes](#).

4.5.3 Querying a Transaction

Function

This API is used to query a transaction.

URI

GET /v1/{project_id}/templates/{template_id}

Table 4-159 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
template_id	Yes	Integer	Transaction ID, which is the value of templd in the response body of the API for creating a transaction.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-160 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
temp_info	TempInfo object	Transaction details.

Table 4-161 TempInfo

Parameter	Type	Description
id	Integer	Transaction ID, which is the value of templd in the response body of the API for creating a transaction.
project_id	Integer	Project ID.
name	String	Transaction name.
description	String	Transaction description.
variables	String	Variable.
contents	Array of objects	Transaction script information.
temp_type	Integer	Transaction type (deprecated).

Parameter	Type	Description
for_loop_params	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
logic_controller	LogicController object	Logic controller information.
enable_pre	Boolean	Whether to enable the preset transaction. This parameter is not used in the current edition.

Table 4-162 LogicController

Parameter	Type	Description
for_loop_params	String	Logic controller field of the old edition. This parameter is not used in the current edition.
condition	String	Logic controller condition.

Status code: 501**Table 4-163** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying details about the transaction whose ID is **1**.

```
/v1/{project_id}/templates/1
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "temp_info" : {
    "id" : 155175,
    "project_id" : 403931,
    "name" : "test",
    "description" : "",
    "variables" : null,
    "contents" : [ {
      "content_id" : 155175,
      "content" : [ {
        "content_type" : 2,
        "content" : {
          "_adressValue" : "http://1.1.1.1",
          "body_type" : 0,
          "bodies" : [ ],
```

```
    "check_end_length" : null,
    "check_end_str" : null,
    "check_end_type" : null,
    "connect_timeout" : 5000,
    "connect_type" : 1,
    "headers" : [ {
      "key" : "Content-Type",
      "value" : "application/json"
    } ],
    "http_version" : "HTTP/1.1",
    "method" : "GET",
    "name" : "Msg-8015",
    "protocol_type" : 1,
    "return_timeout" : 5000,
    "return_timeout_param" : null,
    "url" : "http://1.1.1.1"
  }
},
"index" : -1,
"selected_temp_name" : "",
"data" : null,
"data_type" : 0,
"conditions" : null,
"is_disabled" : false,
"is_continue" : false
}],
"temp_type" : 0,
"for_loop_params" : [ ],
"logic_controller" : {
  "for_loop_params" : null,
  "condition" : null
},
"enable_pre" : false
}
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "temp_info" : {
    "id" : 21531,
    "project_id" : 17543,
    "name" : "transaction",
    "description" : "",
    "variables" : null,
    "contents" : [ {
      "content_id" : 21531,
      "content" : [ {
        "content_type" : 2,
        "content" : {
          "body_type" : 0,
          "bodys" : [ ],
          "check_end_length" : null,
          "check_end_str" : null,
          "check_end_type" : null,
          "connect_timeout" : 5000,
          "connect_type" : 1,
          "headers" : [ {
            "key" : "Content-Type",
            "value" : "application/json"
          } ],
          "http_version" : "HTTP/1.1",
          "method" : "GET",
```

```
{
  "name": "Msg-73387",
  "protocol_type": 2,
  "return_timeout": 5000,
  "return_timeout_param": null,
  "url": "https://www.domain-example.com"
},
{
  "index": -1,
  "selected_temp_name": "",
  "data": null,
  "data_type": 0,
  "conditions": null,
  "is_disabled": false,
  "is_continue": false
},
{
  "temp_type": 0,
  "for_loop_params": [ ],
  "logic_controller": {
    "for_loop_params": null,
    "condition": null
  },
  "enable_pre": false
}
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.5.4 Modifying a Transaction

Function

This API is used to modify a transaction

URI

PUT /v1/{project_id}/templates/{template_id}

Table 4-164 Path Parameters

Parameter	Mandatory	Type	Description
template_id	Yes	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction.

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Request Parameters

Table 4-165 Request body parameters

Parameter	Mandatory	Type	Description
id	Yes	Integer	Transaction ID, which is the value of tempId in the response body of the API for creating a transaction.
project_id	Yes	Integer	Project ID.
name	Yes	String	Transaction name.
temp_type	No	Integer	Transaction type.
description	No	String	Description.
for_loop_params	No	Array of objects	Logic controller field of the old edition. This parameter is not used in the current edition.
enable_pre	No	Boolean	Whether to enable the preset transaction. This parameter is not used in the current edition.
contents	No	Array of TempContentInfo objects	Transaction script information.

Table 4-166 TempContentInfo

Parameter	Mandatory	Type	Description
content_id	No	Integer	Packet ID, transaction ID, or plug-in ID.
content	No	Array of Content objects	Content.
index	No	Integer	Index.

Parameter	Mandatory	Type	Description
data	No	Object	Data instruction content.
data_type	No	Integer	Data instruction type (0 : default request card; 1 : data instruction; 201 : loop instruction; 202 : condition instruction; 203 : VU percentage controller; 204 : throughput controller; 301 : rendezvous point; 302 : plug-in request).

Table 4-167 Content

Parameter	Mandatory	Type	Description
content_type	No	Integer	Case card type (1 : think time; 2 : packet; 3 : checkpoint; 4 : variable extraction).
content	No	ContentInfo object	Content.

Table 4-168 ContentInfo

Parameter	Mandatory	Type	Description
body_type	No	Integer	Body type (0 : string; 1 : form-data format; 3 : x-www-form-urlencoded format).
body	No	Array of objects	Request body.
check_end_length	No	Object	Length of the data returned through TCP/UDP.
check_end_str	No	Object	End character returned through TCP/UDP.
check_end_type	No	Object	End type (1 : data length; 2 : end character) returned through TCP/UDP.
connect_timeout	No	Integer	Timeout duration.
connect_type	No	Integer	Connection settings. This parameter is not used in the current edition.

Parameter	Mandatory	Type	Description
headers	No	Array of ContentHeader objects	Request header.
http_version	No	String	HTTP version.
method	No	String	HTTP method.
name	No	String	Case name.
protocol_type	No	Integer	Protocol type (1 : HTTP; 2 : HTTPS; 3 : TCP; 4 : UDP; 7 : HLS/RTMP; 9 : WebSocket; 10 : HTTP-FLV; 11 : MQTT).
return_timeout	No	Integer	Response timeout.
return_timeout_param	No	String	Response timeout parameter.
url	No	String	Request URL.
rtmp_url	No	String	RTMP address.
flv_url	No	String	FLV address.
bitrate_type	No	Integer	Resolution policy.
duration	No	Integer	Duration.
retry_delay	No	Integer	HLS retry delay.
retry_time	No	Integer	HLS retries.

Table 4-169 ContentHeader

Parameter	Mandatory	Type	Description
key	No	String	Key.
value	No	String	Value.

Response Parameters

Status code: 204

success

Status code: 501

Table 4-170 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Modifying the transaction whose ID is **1** and its request information. The ID of the project to which the transaction belongs is **1**.

```
/v1/{project_id}/templates/1
{
  "contents": [ {
    "content": [ {
      "content": {
        "body_type": 0,
        "bodies": [ ],
        "check_end_length": null,
        "check_end_str": null,
        "check_end_type": null,
        "connect_timeout": 5000,
        "connect_type": 1,
        "headers": [ {
          "key": "Content-Type",
          "value": "application/json"
        } ],
        "http_version": "HTTP/1.1",
        "method": "GET",
        "name": "Msg-31445",
        "protocol_type": 2,
        "return_timeout": 5000,
        "return_timeout_param": null,
        "url": "https://www.domain-example.com"
      },
      "content_type": 2
    } ],
    "content_id": 2346,
    "index": 0
  } ],
  "description": "",
  "enable_pre": false,
  "for_loop_params": [ ],
  "id": 1,
  "name": "transaction_test",
  "project_id": 1,
  "temp_type": 0
}
```

Example Responses

None

Status Codes

Status Code	Description
204	success

Status Code	Description
501	unknown error

Error Codes

See [Error Codes](#).

4.5.5 Deleting a Transaction

Function

This API is used to delete a transaction.

URI

DELETE /v1/{project_id}/templates/{template_id}

Table 4-171 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
template_id	Yes	Integer	Transaction ID, which is the value of templd in the response body of the API for creating a transaction.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-172 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.

Status code: 501

Table 4-173 Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Deleting the transaction whose ID is **1**.

```
/v1/{project_id}/templates/1
```

Example Responses

None

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.6 Report Management

4.6.1 Querying a Report

Function

This API is used to query a report.

URI

GET /v1/{project_id}/task-run-infos/{task_run_id}/case-run-infos/{case_run_id}/reports

Table 4-174 Path Parameters

Parameter	Mandatory	Type	Description
task_run_id	Yes	Integer	ID of a running task, that is, the report ID. When a task API (for updating task status or starting or stopping tasks in batches) is called, the running task ID is returned.
case_run_id	Yes	Integer	Running case ID. You can use the running task ID (task_run_id) as the path parameter to call the API for querying the case list of the specified task (see "Report Management") to obtain the ID set of the running cases associated with the report, and then use result.case_aw_info_list[index].case_uri_i as the index to locate the running case ID (case_run_id) in the response structure.
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .

Table 4-175 Query Parameters

Parameter	Mandatory	Type	Description
breaks_limit_count	Yes	Integer	Number of curve points.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-176 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
extend	String	Extension information.
result	ReportInfo object	Report data returned by the data service.

Table 4-177 ReportInfo

Parameter	Type	Description
brokens	ReportbrokensInfo object	Curve data.
details	ReportdetailsInfo object	Table data details.
outline	ReportoutlineInfo object	Summary data.
rtproportion	String	Response time distribution.
taskInfo	ReportTaskInfo object	Task information.
respTimeRange	Object	Response time distribution.

Table 4-178 ReportbrokensInfo

Parameter	Type	Description
brand_broken	BrandBroken object	Bandwidth curve data.
commonTimestamps	Array of strings	Timestamp.
respcode_broken	RespcodeBroken object	Response code curve data.
tps_broken	TpsBroken object	TPS and response time curve data.
vusers_broken	VusersBroken object	Vusers curve data.

Table 4-179 BrandBroken

Parameter	Type	Description
recBytes	Array of doubles	Number of received bytes.
sentBytes	Array of doubles	Number of sent bytes.

Table 4-180 RespcodeBroken

Parameter	Type	Description
checkPointFailed	Array of doubles	Verification failed.
error	Array of doubles	The request is abnormal.
othersFailed	Array of doubles	Other failures.
parsedFailed	Array of doubles	Parsing failed.
refusedFailed	Array of doubles	The connection is rejected.
success	Array of doubles	The request is successful.
timeout	Array of doubles	Timeout failure.

Table 4-181 TpsBroken

Parameter	Type	Description
average	Array of doubles	Average response time.
tps	Array of doubles	tps

Table 4-182 VusersBroken

Parameter	Type	Description
vusers	Array of doubles	Number of virtual users.

Table 4-183 ReportdetailsInfo

Parameter	Type	Description
data	Array of ReportdetailItemInfo objects	Table data.
pageIndex	Integer	Page number.

Parameter	Type	Description
pageSize	Integer	Number of records displayed on each page.
total	Integer	Total number of records.

Table 4-184 ReportdetailItemInfo

Parameter	Type	Description
customTransactions	Array of strings	User-defined transaction data.
detailDatas	Array of DetailDataInfo objects	AW data.
performance	PerformanceInfo object	Case data.

Table 4-185 DetailDataInfo

Parameter	Type	Description
averageRespTime	Double	Average response time.
avgRecBytes	Double	Average number of received bytes.
avgSentBytes	Double	Average number of sent bytes.
avgTranRespTime	Double	Average transaction response time.
caseUri	String	Case URI.
createTime	String	Creation time.
currentThreadNum	Double	Maximum number of concurrent users.
detailId	String	Details ID.
endTime	String	End time.
errorCount	Double	Number of failed requests.
errorEventsCount	Double	Number of transactions at the ERROR level.
failedAssert	Double	Assertion failed.
failedOthers	Double	Other failures.
failedParsed	Double	Parsing failed.

Parameter	Type	Description
failedRefused	Double	The connection is rejected.
failedTimeout	Double	Timeout failure.
id	String	id
isAW	Boolean	Whether it is an AW type.
max	Double	Maximum response time.
maxRecBytes	Double	Maximum number of received bytes.
maxRespTime	Double	Maximum response time for the concurrency limit estimation.
maxSentBytes	Double	Maximum number of sent bytes.
maxTranRespTime	Double	Maximum transaction response time.
min	Double	Minimum response time.
minNetworkTraffic	Double	Minimum bandwidth.
name	String	Name.
requests	Double	Number of requests.
result	Double	AW execution result.
startTime	String	Start time.
status	Double	Case status.
successCount	Double	Number of successful requests.
successRate	Double	Success rate.
sum1xx	Double	Number of 1xx requests.
sum2xx	Double	Number of 2xx requests.
sum3xx	Double	Number of 3xx requests.
sum4xx	Double	Number of 4xx requests.
sum5xx	Double	Number of 5xx requests.
taskId	String	Task ID_Round.
taskProjectId	String	Task ID.
taskStatus	Double	Task status.
testCaseUri	String	Case URI.
tp50	Double	tp50
tp75	Double	tp75

Parameter	Type	Description
tp90	Double	tp90
tp95	Double	tp95
tp99	Double	tp99
tps	Double	tps
tranTPS	Double	Transaction TPS.
transactionId	String	Transaction ID, which is the value of templd in the response body of the API for creating a transaction.
transactionSuccesses	Double	Transaction success rate.
transactionalSuccessRate	Double	Transaction success rate.
transactionalTps	Double	User-defined transaction TPS.
transactionalTps-Success	Double	Success rate of a customized transaction.
transactions	Double	Number of transactions.
updateTime	String	Update time.
vum	Double	Minutes x Number of virtual concurrent users.
avgNetworkTraffic	Double	Average bandwidth.
maxNetworkTraffic	Double	Maximum bandwidth.

Table 4-186 PerformanceInfo

Parameter	Type	Description
averageRespTime	Double	Average response time.
avgNetworkTraffic	Double	Average bandwidth.
avgRecBytes	Double	Average downlink bandwidth.
avgSentBytes	Double	Average uplink bandwidth.
avgTranRespTime	Double	Average transaction response time.
caseUri	String	Case URI.
createTime	String	Creation time.

Parameter	Type	Description
currentThreadNum	Double	Maximum number of concurrent users.
detailId	String	Details ID.
endTime	String	End time.
errorCount	Double	Number of failed requests.
errorEventsCount	Double	Number of transactions at the ERROR level.
failedAssert	Double	Assertion failed.
failedOthers	Double	Other failures.
failedParsed	Double	Parsing failed.
failedRefused	Double	The connection is rejected.
failedTimeout	Double	Timeout failure.
id	String	id
isAW	Boolean	Whether it is an AW type.
max	Double	Maximum response time.
maxNetworkTraffic	Double	Maximum bandwidth.
maxRecBytes	Double	Maximum number of received bytes.
maxRespTime	Double	Concurrency limit estimation result: response time.
maxSentBytes	Double	Maximum transmit bandwidth.
maxTranRespTime	Double	Maximum transaction response time.
min	Double	Minimum response time.
minNetworkTraffic	Double	Minimum bandwidth.
name	String	Name.
requests	Double	Number of requests.
result	Double	Case/AW execution result.
startTime	String	Start time.
status	Double	Case status.
successCount	Double	Number of successful requests.
successRate	Double	Success rate.

Parameter	Type	Description
sum1xx	Double	Number of 1xx response codes.
sum2xx	Double	Number of 2xx response codes.
sum3xx	Double	Number of 3xx response codes.
sum4xx	Double	Number of 4xx response codes.
sum5xx	Double	Number of 5xx response codes.
taskId	String	Task ID_Round.
taskProjectId	String	Task ID.
taskStatus	Double	Task status.
testCaseUri	String	Case URI.
tp50	Double	tp50
tp75	Double	tp75
tp90	Double	tp90
tp95	Double	tp95
tp99	Double	tp99
tp999	Double	tp999
tp9999	Double	tp9999
tps	Double	tps
tranTPS	Double	Transaction TPS.
transactionId	String	Transaction ID, which is the value of templd in the response body of the API for creating a transaction.
transactionSuccesses	Double	Number of successful transactions.
transactionalSuccessRate	Double	Transaction success rate.
transactionalTps	Double	User-defined transaction TPS.
transactionalTps-Success	Double	Success rate of a customized transaction.
transactions	Double	Number of transactions.
updateTime	String	Update time.
vum	Double	Minutes x Number of virtual concurrent users.

Table 4-187 ReportoutlineInfo

Parameter	Type	Description
avgResponseTime	Double	Average response time.
branchId	String	Branch ID.
branchName	String	Branch name.
caseRetry	Double	Number of case retries.
completeNum	Double	Number of completed cases.
duration	Double	Duration.
endTime	String	End time.
executedNum	Double	Number of executed cases.
iterationUri	String	Iteration ID.
kpiCaseCount	Double	Number of KPI cases.
kpiCaseExecuteCount	Double	Number of KPI case execution times.
kpiCasePassCount	Double	Number of passed KPI cases.
maxUsers	Double	Maximum number of concurrent users.
passNum	Double	Number of cases that passed.
stage	Double	Phase ID.
stageName	String	Phase name.
startTime	String	Start time.
successRate	Double	Success rate.
taskStatus	Double	Task status.
totalNum	Double	Total number of cases.
tps	Double	Performance TPS metric.
versionUri	String	Branch URI.
projectId	String	Project ID.
serviceId	String	Service ID.
progressState	String	This field is compatible with earlier versions and is to be deleted.
createBy	String	Task Executor.
statusValue	String	This field is compatible with earlier versions and is to be deleted.

Table 4-188 ReportTaskInfo

Parameter	Type	Description
vum	Double	Minutes x Number of virtual concurrent users.

Status code: 501**Table 4-189** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the details of the report whose ID is **1** and the case running ID is **1**.

```
/v1/{project_id}/task-run-infos/1/case-run-infos/1/reports
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "message" : "success",
  "extend" : null,
  "result" : {
    "breakens" : {
      "brand_breakens" : {
        "recBytes" : [ 0, 356217, 366692, 419077, 565752, 492414, 366690, 377168, 502891, 555273, 440028,
366691, 335260, 565752, 586704, 377136, 377136, 261900, 565704, 523800, 356184, 366660, 366665,
565757, 502896, 377170, 366693, 419079, 565754, 429556, 356214, 345738, 429553, 523846, 440029,
356215, 366690, 419073, 555275, 440029, 366691, 366691, 513370, 607660, 345708, 356184, 356184,
544752, 544752, 345708, 356184, 345708, 586706, 502891, 366690, 366692, 419076, 555276, 450496,
356184, 345708, 0 ],
        "sentBytes" : [ 0, 1802, 1855, 2120, 2862, 2491, 1855, 1908, 2544, 2809, 2226, 1855, 1696, 2862, 2968,
1908, 1908, 1325, 2862, 2650, 1802, 1855, 1855, 2862, 2544, 1908, 1855, 2120, 2862, 2173, 1802, 1749,
2173, 2650, 2226, 1802, 1855, 2120, 2809, 2226, 1855, 1855, 2597, 3074, 1749, 1802, 1802, 2756, 2756,
1749, 1802, 1749, 2968, 2544, 1855, 1855, 2120, 2809, 2332, 1802, 1749, 0 ]
      },
      "commonTimestamps" : [ "2022-09-16 19:18:15", "2022-09-16 19:18:16", "2022-09-16 19:18:17",
"2022-09-16 19:18:18", "2022-09-16 19:18:19", "2022-09-16 19:18:20", "2022-09-16 19:18:21", "2022-09-16
19:18:22", "2022-09-16 19:18:23", "2022-09-16 19:18:24", "2022-09-16 19:18:25", "2022-09-16 19:18:26",
"2022-09-16 19:18:27", "2022-09-16 19:18:28", "2022-09-16 19:18:29", "2022-09-16 19:18:30", "2022-09-16
19:18:31", "2022-09-16 19:18:32", "2022-09-16 19:18:33", "2022-09-16 19:18:34", "2022-09-16 19:18:35",
"2022-09-16 19:18:36", "2022-09-16 19:18:37", "2022-09-16 19:18:38", "2022-09-16 19:18:39", "2022-09-16
19:18:40", "2022-09-16 19:18:41", "2022-09-16 19:18:42", "2022-09-16 19:18:43", "2022-09-16 19:18:44",
"2022-09-16 19:18:45", "2022-09-16 19:18:46", "2022-09-16 19:18:47", "2022-09-16 19:18:48", "2022-09-16
19:18:49", "2022-09-16 19:18:50", "2022-09-16 19:18:51", "2022-09-16 19:18:52", "2022-09-16 19:18:53",
"2022-09-16 19:18:54", "2022-09-16 19:18:55", "2022-09-16 19:18:56", "2022-09-16 19:18:57", "2022-09-16
19:18:58", "2022-09-16 19:18:59", "2022-09-16 19:19:00", "2022-09-16 19:19:01", "2022-09-16 19:19:02",
"2022-09-16 19:19:03", "2022-09-16 19:19:04", "2022-09-16 19:19:05", "2022-09-16 19:19:06", "2022-09-16
19:19:07", "2022-09-16 19:19:08", "2022-09-16 19:19:09", "2022-09-16 19:19:10", "2022-09-16 19:19:11",
"2022-09-16 19:19:12", "2022-09-16 19:19:13", "2022-09-16 19:19:14", "2022-09-16 19:19:15", "2022-09-16
```

[illegible]

```
"maxSentBytes" : 2809,
"maxTranRespTime" : 331,
"min" : 11,
"minNetworkTraffic" : 0,
"name" : "Msg-40123",
"requests" : 2478,
"result" : 0,
"startTime" : "2022-09-16T19:18:16+08:00",
"status" : 15,
"successCount" : 2477,
"successRate" : 99.95,
"sum1xx" : 0,
"sum2xx" : 2477,
"sum3xx" : 0,
"sum4xx" : 0,
"sum5xx" : 0,
"taskId" : "az-4-29530_1",
"taskProjectId" : "az-4-29530",
"taskStatus" : 6,
"testCaseUri" : "16674",
"tp50" : 12,
"tp75" : 12,
"tp90" : 13,
"tp95" : 13,
"tp99" : 24,
"tps" : 41.3,
"tranTPS" : 0,
"transactionId" : "",
"transactionSuccess" : null,
"transactionalSuccessRate" : 0,
"transactionalTps" : 0,
"transactionalTpsSuccess" : 0,
"transactions" : null,
"updateTime" : "2022-09-16T19:19:34+08:00",
"vum" : 1
} ],
"performance" : {
  "averageRespTime" : 12.52,
  "avgNetworkTraffic" : 0,
  "avgRecBytes" : 10472.426150121066,
  "avgSentBytes" : 53,
  "avgTranRespTime" : 12.52,
  "caseUri" : "33321",
  "createTime" : "2022-09-16T19:18:01+08:00",
  "currentThreadNum" : 1,
  "detailId" : "6969830689306988544",
  "endTime" : "2022-09-16T19:19:16+08:00",
  "errorCount" : 1,
  "errorEventsCount" : 0,
  "failedAssert" : 0,
  "failedOthers" : 1,
  "failedParsed" : 0,
  "failedRefused" : 0,
  "failedTimeout" : 0,
  "id" : "2391655",
  "isAW" : false,
  "max" : 331,
  "maxNetworkTraffic" : 0,
  "maxRecBytes" : 555275,
  "maxRespTime" : 331,
  "maxSentBytes" : 2809,
  "maxTranRespTime" : 331,
  "min" : 11,
  "minNetworkTraffic" : 0,
  "name" : "ccc",
  "requests" : 2478,
  "result" : 0,
  "startTime" : "2022-09-16T19:18:16+08:00",
  "status" : 15,
```

```
"successCount" : 2477,
"successRate" : 99.95,
"sum1xx" : 0,
"sum2xx" : 2477,
"sum3xx" : 0,
"sum4xx" : 0,
"sum5xx" : 0,
"taskId" : "az-4-29530_1",
"taskProjectId" : "az-4-29530",
"taskStatus" : 6,
"testCaseUri" : "16674",
"tp50" : 12,
"tp75" : 12,
"tp90" : 13,
"tp95" : 13,
"tp99" : 24,
"tp999" : 60,
"tp9999" : 331,
"tps" : 41.3,
"tranTPS" : 41.3,
"transactionId" : null,
"transactionSuccess" : 2477,
"transactionalSuccessRate" : 99.95964487489911,
"transactionalTps" : 0,
"transactionalTpsSuccess" : 0,
"transactions" : 2478,
"updateTime" : "2022-09-16T19:19:34+08:00",
"vum" : 1
}
}],
"pageIndex" : 1,
"pageSize" : 5,
"total" : 1
},
"outline" : {
"avgResponseTime" : 12.518563357546409,
"branchId" : null,
"branchName" : null,
"caseRetry" : 0,
"completeNum" : 1,
"duration" : 60,
"endTime" : "2022-09-16T19:19:16+08:00",
"executedNum" : 1,
"iterationUri" : null,
"kpiCaseCount" : 1,
"kpiCaseExecuteCount" : 1,
"kpiCasePassCount" : 1,
"maxUsers" : 1,
"passNum" : 1,
"projectId" : "14509",
"servicId" : "17543",
"stage" : 1,
"stageName" : "Alpha",
"startTime" : "2022-09-16T19:18:16+08:00",
"successRate" : 99.95,
"taskStatus" : 6,
"totalNum" : 1,
"tps" : 41.3,
"versionUri" : null
},
"respTimeRange" : {
"0~50ms" : "100.0%(2472)",
"1~2s" : "0.0%(0)",
"200~500ms" : "0.0%(1)",
"2~3s" : "0.0%(0)",
"3~4s" : "0.0%(0)",
"4~5s" : "0.0%(0)",
"500ms~1s" : "0.0%(0)",
"50~200ms" : "0.0%(5)",
```

```
">5s" : "0.0%(0)"
},
"rtproportion" : null,
"taskInfo" : {
  "vum" : 1
}
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.6.2 Querying the Offline Report List of a PerfTest Task

Function

This API is used to query the offline report list of a PerfTest task.

URI

GET /v1/{project_id}/tasks/history-run-list/{task_id}

Table 4-190 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
task_id	Yes	Integer	Task ID, which is the value of task_id in the response body of the API for creating a task.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-191 Response body parameters

Parameter	Type	Description
code	String	Response code.
message	String	Response message.
log_list	Array of HistoryRunInfo objects	Report list.

Table 4-192 HistoryRunInfo

Parameter	Type	Description
name	String	Name.
run_id	Double	Report ID.
run_type	Double	Task type. 0 : old edition task; 1 : new edition task.
start_time	String	Start time.
end_time	String	End time.
continue_time	Double	Continue time.
temp_names	Array of TempName objects	Case or transaction name.
parallel	Boolean	Whether test cases are executed in parallel between tasks.

Table 4-193 TempName

Parameter	Type	Description
name	String	Name.

Status code: 501**Table 4-194** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the offline report list of the PerfTest task whose ID is 1.

```
/v1/{project_id}/tasks/history-run-list/1
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "log_list" : [ {
    "name" : "temp_name_2022-07-20T17:01:57+08:00",
    "run_id" : 48105,
    "run_type" : 1,
    "start_time" : "2022-07-20T17:01:57+08:00",
    "end_time" : "2022-07-20T17:11:52+08:00",
    "continue_time" : 595,
    "temp_names" : [ {
      "name" : "temp_name"
    } ],
    "parallel" : false
  } ],
  "message" : "success"
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

4.7 Directory Management

4.7.1 Query a case tree.

Function

Querying a Case Tree

URI

GET /v1/{project_id}/test-suites/{test_suite_id}/directory

Table 4-195 Path Parameters

Parameter	Mandatory	Type	Description
project_id	Yes	String	Project ID. For details, see Method of obtaining instructions .
test_suite_id	Yes	Integer	Test project ID, which is the value of project_id in the response body of the API for creating a project.

Request Parameters

None

Response Parameters

Status code: 200

Table 4-196 Response body parameters

Parameter	Type	Description
code	String	Status code.
message	String	Description.
directory	Array of ProjectDirectory objects	Case set.

Table 4-197 ProjectDirectory

Parameter	Type	Description
id	Integer	id
name	String	Name.
status	Integer	Status (0 : deleted; 1 : enabled; 2 : disabled).
create_time	String	Creation time.
update_time	String	Update time.
parent_id	Integer	Parent ID.
type	Integer	Type (1 : directory; 2 : case).

Status code: 501**Table 4-198** Response body parameters

Parameter	Type	Description
-	String	response message

Example Requests

Querying the directory list. The ID of the project to which the directory belongs is 1.

```
/v1/{project_id}/test-suites/1/directory
```

Example Responses

Status code: 200

success

```
{
  "code" : "SVCSTG.CPTS.0000000",
  "directory" : [ {
    "id" : 57667,
    "name" : "directory1",
    "status" : 1,
    "create_time" : "2022-09-02T11:12:04.308643+08:00",
    "update_time" : "2022-09-02T11:12:04.315547+08:00",
    "parent_id" : 0,
    "type" : 1
  } ],
  "message" : "success"
}
```

Status Codes

Status Code	Description
200	success
501	unknown error

Error Codes

See [Error Codes](#).

5 Permissions

You can use IAM for fine-grained permissions management of your CodeArts PerfTest. If your Huawei Cloud account does not need individual IAM users, you may skip this section.

New IAM users do not have any permissions assigned by default. You need to first add them to one or more groups and then attach policies or roles to these groups. The users then inherit permissions from the groups and can perform specified operations on cloud services based on the permissions they have been assigned.

You can grant users permissions by using [roles](#) and [policies](#).

- **Roles:** A type of coarse-grained authorization mechanism that defines permissions related to user responsibilities.
- **Policies:** A type of fine-grained authorization mechanism that defines permissions required to perform operations on specific cloud resources under certain conditions, meeting requirements for secure access control. 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 assigned 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 allowing the actions can call the API successfully.

6 Appendix

6.1 Status Codes

Table 6-1 describes status codes.

Table 6-1 Status codes

Status Code	Message	Description
100	Continue	The server has received the initial part of the request and the client should continue to send the remaining part. This code is issued on a provisional basis while request processing continues. It alerts the client to wait for a final response.
101	Switching Protocols	The requester has asked the server to switch protocols and the server is acknowledging that it will do so. The target protocol must be more advanced than the source protocol. For example, the current HTTP protocol is switched to a later version of HTTP.
201	Created	The request has been fulfilled, resulting in the creation of a new resource.
202	Accepted	The request has been accepted, but the processing has not been completed.
203	Non-Authoritative Information	The server successfully processed the request, but is returning information that may be from another source.

Status Code	Message	Description
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 successfully processed the request, but does not return any content. This response requires that the requester 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. The response contains a list of resource characteristics and addresses from which a user terminal (such as a browser) can choose the most appropriate one.
301	Moved Permanently	The requested resource has been assigned a new permanent URI and any future references to this resource should use one of the returned URIs.
302	Found	The requested resource was temporarily moved.
303	See Other	The response to the request can be found under a different URI. It can be retrieved using a GET or POST method.
304	Not Modified	The requested resource has not been modified. In such case, there is no need to retransmit the resource since the client still has a previously downloaded copy.
305	Use Proxy	The requested resource is available only through a proxy.
306	Unused	The HTTP status code is no longer used.
400	BadRequest	The request is invalid. 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	This status code is reserved for future use.

Status Code	Message	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 could not be found. The client should modify the request instead of re-initiating it.
405	MethodNotAllowed	The method specified in the request is not allowed for the requested resource. The client should modify the request instead of re-initiating it.
406	Not Acceptable	The server could not fulfill the request according to the content characteristics of the request.
407	Proxy Authentication Required	This status code is similar to 401, but 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 repeat the request without modifications later.
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 is no longer available. The status code indicates that the requested resource has been deleted permanently.
411	Length Required	The server refuses to process the request without a defined Content-Length .
412	Precondition Failed	The server does not meet one of the preconditions that the requester puts on the request.

Status Code	Message	Description
413	Request Entity Too Large	The server refuses to process a request because the request is too large. The server may disable the connection to prevent the client from sending requests consecutively. If the condition is temporary, the server should include a Retry-After header field to indicate that it is temporary and after what time the client may try again.
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 was well-formed but was unable to be followed due to semantic errors.
429	TooManyRequests	The client has sent more requests than its rate limit 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 repeat requests after the time specified in the Retry-After header of the response expires.
500	InternalServerError	The server is able to receive the request but unable to understand the request.
501	Not Implemented	The server does not support the requested function.
502	Bad Gateway	The server was acting as a gateway or proxy and received an invalid request 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 timeout parameter is specified in the request.
505	HTTP Version not supported	The server does not support the HTTP protocol version used in the request.

6.2 Error Codes

If an error code starting with **APIGW** is returned after you call an API, rectify the fault according to [APIG Error Codes](#).

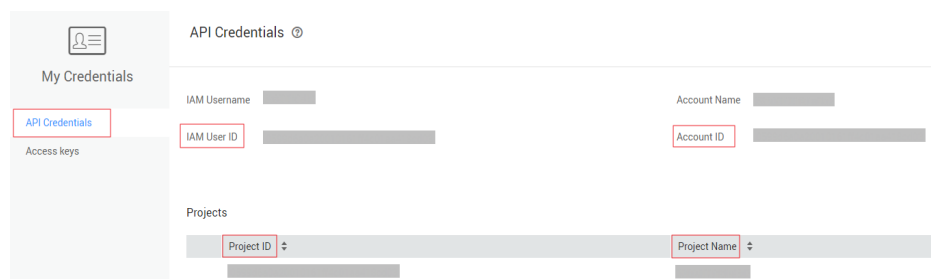
Status Code	Error Code	Error Message	Description	Solution
200	CPTS.00000000	success	Operation succeeded.	Operation succeeded.
400	CPTS.04006025	Clear deleted appCluster failed	Failed to forcibly delete a resource group.	Contact customer service.
500	CPTS.05001001	An unknown error occurred!	Unknown error.	Contact customer service.

6.3 Obtaining a Project ID

Obtaining a Project ID from the Console

- Step 1** Log in to the console.
- Step 2** Move the cursor to the username in the upper right corner and choose **My Credentials** from the drop-down list.
- Step 3** On the **API Credentials** page, view project IDs in the project list.

Figure 6-1 Viewing a project ID



----End

Obtaining the Project ID by Calling an API

You can also obtain a project ID by calling a specific API. For details, see [Querying Project Information](#) of IAM.

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](#) the administrator. For details about API authentication, see [Authentication](#).

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

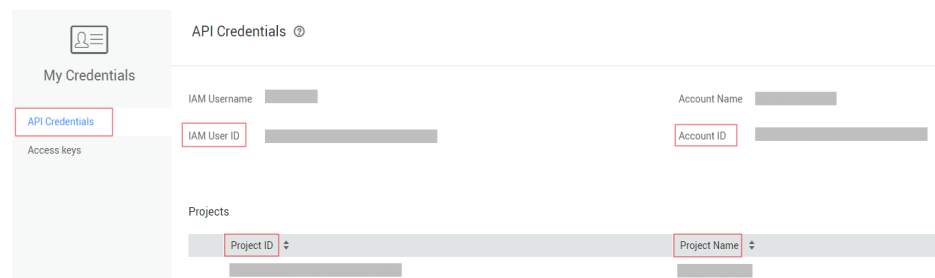
```
{
  "projects": [
    {
      "domain_id": "65382450e8f64ac0870cd180d14e684b",
      "is_domain": false,
      "parent_id": "65382450e8f64ac0870cd180d14e684b",
      "name": "xxxxxxx",
      "description": "",
      "links": {
        "next": null,
        "previous": null,
        "self": "https://www.example.com/v3/projects/a4a5d4098fb4474fa22cd05f897d6b99"
      },
      "id": "a4a5d4098fb4474fa22cd05f897d6b99",
      "enabled": true
    }
  ],
  "links": {
    "next": null,
    "previous": null,
    "self": "https://www.example.com/v3/projects"
  }
}
```

6.4 Obtaining the Account ID

An account ID (**domain-id**) is required for some URLs when an API is called. To obtain an account ID, perform the following operations:

- Step 1** Log in to the Identity and Access Management (IAM) console.
- Step 2** Move the cursor to the username in the upper right corner and choose **My Credentials** from the drop-down list.
- Step 3** On the **API Credentials** page, view **Account ID**.

Figure 6-2 Viewing the account ID



-----End

7 Change History

Table 7-1 Change history

Released On	Description
2023-05-10	Changed service name from Cloud Performance Test Service (CPTS) to CodeArts PerfTest.
2022-06-15	This issue is the first official release.