

Cloud Log Service

API Documentation

Product Documentation



Copyright Notice

©2013-2019 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

API Documentation

- API Overview

- Request Signature

- Common Request Headers

- Common Response Header

- Log Management

 - Uploading Structured Log

 - Get Log Cursor

 - Searching for Log

 - Downloading Log

- Logset Management

 - Creating Logset

 - Getting Logset Information

 - Getting Logset List

 - Modifying Logset

 - Deleting Logset

- Log Topic Management

 - Creating Log Topic

 - Getting Log Topic Information

 - Getting Server Group Bound to Log Topic

 - Getting Log Topic List

 - Modifying Log Topic

 - Setting Server Group Bound to Log Topic

 - Deleting Log Topic

 - Zoning Management

 - Getting Topic Partition List

 - Merging Topic Partition

 - Splitting Topic Partition

- Shipping Task Management

 - Creating Shipping Task

 - Getting Shipping Configuration

 - Getting Log Topic Shipping List

 - Getting Shipping Task List

 - Modifying Shipping Task

 - Retrying Failed Task

Deleting Shipping Configuration

Server Group Management

Creating Server Group

Getting Server Group Information

Getting Server Status

Getting Server Group List

Modifying Server Group

Deleting Server Group

Consumption Management

Creating Consumer Group

Getting Consumption Cursor

Getting Consumer Group Cursor

Consumption Data

Consumer Heartbeat

Getting Consumer Group List

Modifying Consumer Group

Modifying Consumer Group Cursor

Deleting Consumer Group

Index Management

Getting Index Information

Modifying Index Task

Error Codes

API Documentation

API Overview

Last updated : 2020-05-21 14:20:21

Log Management

API Name	Feature Description
Uploading structured log	Uploads log to specified log topic
Getting log download cursor	Gets and downloads log cursor under specified log topic
Searching for log	Searches for log content by specified criteria
Downloading logs	Downloads logs by using cursor

Logset Management

API Name	Feature Description
Creating logset	Creates logset and returns its ID
Getting logset information	Gets logset information
Getting logset list	Gets logset list
Modifying logset	Modifies logset
Deleting logset	Deletes logset

Log Topic Management

API Name	Feature Description
Creating log topic	Creates log topic and returns its ID
Getting log topic information	Gets log topic information

API Name	Feature Description
Getting server group bound to log topic	Gets the information of server group bound to log topic
Getting log topic list	Gets log topic list
Modifying log topic	Modifies log topic
Setting server group bound to log topic	Sets server group information bound to log topic
Delete log topic	Deletes log topic
Getting topic partition list	Gets topic partition list
Merging topic partition	Merges topic partition in read/write state
Splitting topic partition	Splits topic partition in read/write state

Shipping Task Management

API Name	Feature Description
Creating shipping task	Creates shipping task
Getting shipping configuration	Getting the detailed information of specified shipping policy
Getting log topic shipping list	Gets the detailed list of shipping policies of specified log topic
Getting shipping task list	Gets shipping task list
Modifying shipping task	Modifies shipping task
Retrying failed task	Retries failed task
Deleting shipping configuration	Deletes shipping configuration

Server Group Management

API Name	Feature Description
Creating server group	Creates server group and returns its ID

API Name	Feature Description
Getting server group information	Gets server group information
Getting server status	Gets server status in specified server group
Getting server group list	Gets server group information list
Modifying server group	Modifies server group
Deleting server group	Deletes server group

Consumption Management

API Name	Feature Description
Creating consumer group	Creates consumer group
Getting consumption cursor	Gets consumption cursor
Getting consumer group cursor	Gets consumer group cursor
Consuming data	Consumes log
Uploading consumer heartbeats	Uploads consumer heartbeats
Getting consumer group list	Gets the consumer group list of log topic
Modifying consumer group	Modifies consumer group
Modifying consumer group cursor	Modifies consumer group cursor
Deleting consumer group	Deletes consumer group

Index Management

API Name	Feature Description
Getting index information	Gets the detailed information of specified index policy
Modifying index task	Modifies existing index task

Request Signature

Last updated : 2020-09-22 18:46:46

Preparations

1. Get `SecretId` and `SecretKey` .

They can be obtained on the [TencentCloud API Key](#) page in the console.

2. Determine the programming language:

Determine the HMAC-SHA1 function to use based on your development language. CLS provides a [demo for signature calculation](#) for C#, C++, Go, Java, Node.js, PHP, and Python languages.

An HTTP signature request initiated to CLS through an API is transmitted by using the standard HTTP Authorization header as shown in the following example:

```
GET /logset?logset_id=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx HTTP/1.1
Host: ap-shanghai.cls.tencentyun.com
Authorization: q-sign-algorithm=sha1&q-ak=AKIDc9YlMrBcFk4C8sbmXQ8i65XXXXXXXXXX&q-sign-time=1510109254;1510109314&q-key-time=1510109254;1510109314&q-header-list=content-type;host&q-url-param-list=logset_name&q-signature=e8b23b818caf4e33f196f895218bdabdbd1f1423
```

Private and public domain names

CLS request domain names divide into private domain names and public domain names:

- A private domain name is in the format of `${region}.cls.tencentyun.com` , which is only valid for access requests from the same region, that is, CVM or Tencent Cloud services access the CLS service in the same region through the private domain name.
- A public domain name is in the format of `${region}.cls.tencentcs.com` . After the access source is connected to the internet, the public domain name of CLS can be accessed under normal circumstances.

The `region` field is the abbreviation of a CLS service region, such as `ap-beijing` for the Beijing region. For the complete region list, please see [Region List](#).

```
ap-beijing - Beijing
ap-shanghai - Shanghai
ap-guangzhou - Guangzhou
ap-chengdu - Chengdu
...
```


Key-Value description

The signing information in a request is composed of multiple `key=value` pairs concatenated by `&` in the following format:

```
q-sign-algorithm=[Algorithm]&q-ak=[SecretId]&q-sign-time=[SignTime]&q-key-time=[KeyTime]&q-header-list=[SignedHeaderList]&q-url-param-list=[SignedParamList]&q-signature=[Signature]
```

The key-value (Key=Value) pairs constituting the signing information above are described as follows:

Key	Value	Description
q-sign-algorithm	sha1	Signature algorithm, which is required and currently supports only `sha1`
q-ak	Parameter [SecretId]	`SecretId` of account API key, which is required
q-sign-time	Parameter [SignTime]	Start time and end time of signature validity period in seconds in the format of Unix timestamp and separated with <code>;</code> , such as 1510109254;1510109314
q-key-time	Parameter [KeyTime]	Same as the `q-sign-time` value, which is required
q-header-list	Parameter [SignedHeaderList]	Key of the HTTP request header that needs to be signed, which is required. A key needs to be converted to lowercase, and multiple keys should be sorted in lexicographical order; for example, if there are multiple keys, separate them with <code>;</code> . If you don't want to sign any header, you can enter an empty string
q-url-param-list	Parameter [SignedParamList]	Parameter of the HTTP request URI that needs to be signed, which is required. A key needs to be converted to lowercase, and multiple keys should be sorted in lexicographical order; for example, if there are multiple keys, separate them with <code>;</code> . If you don't want to sign any parameter, you can enter an empty string
q-signature	Parameter [Signature]	Calculated signing information in lowercase, which is required

For `q-sign-time` and `q-key-time`, the end time should be after the start time; otherwise, the signature will expire immediately.

Calculation method

Signature calculation steps:

1. Concatenate the relevant information in the HTTP request into `HttpRequestInfo` according to the specified format.
2. Use the `sha1` algorithm to calculate the hash value of `HttpRequestInfo`, and concatenate other specified parameters into the original string of the signature `StringToSign` according to the specified format.
3. Use `SecretKey` to encrypt `q-key-time` to get `SignKey`.
4. Use `SignKey` to encrypt `StringToSign` to generate `Signature`.

URL-encoded special symbols should be in uppercase; for example, `/` should be encoded as `%2F` instead of `%2f`,

Step 1. Concatenate HttpRequestInfo

`HttpRequestInfo` consists of `Method`, `Uri`, `Headers`, and `Parameters` in the HTTP request. It is concatenated in the following way:

```
HttpRequestInfo = Method + "¥n"
+ Uri + "¥n"
+ FormatedParameters + "¥n"
+ FormatedHeaders + "¥n"
```

The `¥n` above indicates a line break escape character, `+` indicates a string concatenation operation, and other parameters are defined as follows:

Field Name	Description
Method	HTTP request method in lowercase, such as <code>get</code> and <code>post</code>
Uri	Resource name of HTTP request excluding the query string part, such as <code>/logset</code>
FormatedParameters	String generated by serializing parameters in the HTTP request query string, i.e., the parameters specified in <code>q-url-param-list</code> . If there is no need to specify this parameter, use an empty string. Key and value are

	concatenated with <code>=</code> , and different key-value pairs are concatenate with <code>&</code> , which need to be sorted in lexicographic order. Key is in lowercase, and value needs to be URL-encoded
FormattedHeaders	HTTP request headers, i.e., HTTP headers specified in <code>q-header-list</code> . If there is no need to specify this parameter, use an empty string. Key and value are concatenated with <code>=</code> , and different key-value pairs are concatenate with <code>&</code> , which need to be sorted in lexicographic order. Key is in lowercase, and value needs to be URL-encoded

To get logset information, the HTTP request is as follows:

```
GET /logset?logset_id=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx HTTP/1.1
Host: ap-shanghai.cls.tencentyun.com
```

The corresponding `HttpRequestInfo` is as follows:

With request parameter:

```
get\r\n/logset\r\nlogset_id=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx\r\nhost=ap-shanghai.cls.tencentyun.com\r\n
```

Without request parameter:

```
get\r\n/logset\r\n\r\nhost=ap-shanghai.cls.tencentyun.com\r\n
```

Even without parameters, `\r\n` cannot be omitted, so `\r\n\r\n` is generated.

Step 2. Concatenate StringToSign

`StringToSign` is composed of `q-sign-algorithm` , `q-sign-time` , and sha1 hash value of `HttpRequestInfo` . It is concatenated in the following way:

```
StringToSign = q-sign-algorithm + "\r\n"
+ q-sign-time + "\r\n"
+ sha1(HttpRequestInfo) + "\r\n"
```

The `\r\n` above indicates a line break escape character, `+` indicates a string concatenation operation, and other parameters have been described above, where the sha1 hash value of `HttpRequestInfo` is a hexadecimal lowercase string.

```
You need to escape %n to a line break first and then perform sha1 calculation on
HttpRequestInfo .
```

The corresponding result is as follows:

```
StringToSign = sha1%nl578973108;1578974918%nl7be58ef9a64ecca66f96b79dc70d279bd93915cf%nl
```

Step 3. Generate SignKey

Currently, the API only supports one digital signature algorithm, i.e., the default signature algorithm `hmac-sha1` . The pseudo code is as follows:

```
SignKey = Hexdigest(HMAC-SHA1(q-key-time, SecretKey))
```

Here, `HMAC-SHA1` is the encryption algorithm, and `Hexdigest` is the method for conversion to hexadecimal string. The output result of the encryption algorithm in some languages is directly a hexadecimal string, so no conversion is required.

The corresponding result is as follows:

```
SignKey = Hexdigest(HMAC-SHA1(1578973108;1578974918, LUSE4nPK1d4tX5SHyXv6tZXXXXXXXXXX))
```

Step 4. Generate Signature

Currently, the API only supports one digital signature algorithm, i.e., the default signature algorithm `hmac-sha1` . The pseudo code is as follows:

```
Signature = Hexdigest(HMAC-SHA1(StringToSign, SignKey))
```

Here, `HMAC-SHA1` is the encryption algorithm, and `Hexdigest` is the method for conversion to hexadecimal string. The output result of the encryption algorithm in some languages is directly a hexadecimal string, so no conversion is required.

The corresponding signature is as follows:

```
Signature = Hexdigest(HMAC-SHA1(sha1%nl578973108;1578974918%nl7be58ef9a64ecca66f96b79dc70d279bd939
15cf%nl, 100edfdb73b873dae3d94665a2a7505258475486))
```

Sample

`SecretId` and `SecretKey` are used as an example below to describe the signature:

```
SecretId = "AKIDc9YlMrBcFk4C8sbmXQ8i65XXXXXXXXXX"  
SecretKey = "LUSE4nPK1d4tX5SHyXv6tZXXXXXXXXXX"  
  
StartTime = 1578976553  
EndTime = 1578978363
```

Sample 1:

To get logset information, the HTTP request is as follows:

```
GET /logset?logset_id=xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx HTTP/1.1  
Host: ap-shanghai.cls.tencentyun.com  
Content-Type: application/json
```

For the above request, after the signature is added in the request header `Host`, the generated string will be:

```
HttpRequestInfo=get%2Flogset%2Flogset_id=xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx%2Fcontent-type=application%2Fjson&host=ap-shanghai.cls.tencentyun.com%2F
```

The original string of the signature generated according to `HttpRequestInfo` is:

```
StringToSign = sha1%2F1578976553;1578978363%2Fd0126b61269ef047d9d05b6c385cea0aea9799%2F
```

Encrypt `q-key-time` with `SecretKey` to get:

```
SignKey = f49255658de17084898d83beaa755b9f0301591f
```

Encrypt `StringToSign` with `SignKey` to generate:

```
Signature = 315dfa0d0ce55582145f7800df5eb3e9c88d2f84
```

The final concatenated signature is:

```
Authorization = q-sign-algorithm=sha1&q-ak=AKIDc9YlMrBcFk4C8sbmXQ8i65XXXXXXXXXX&q-sign-time=1578976553;1578978363&q-key-time=1578976553;1578978363&q-header-list=content-type;host&q-url-param-list=logset_id&q-signature=315dfa0d0ce55582145f7800df5eb3e9c88d2f84
```

The final request content is:

```
GET /logset?logset_id=xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx HTTP/1.1  
Host: ap-shanghai.cls.tencentyun.com  
Content-Type: application/json
```


The final request content is:

```
PUT /logset HTTP/1.1
Host: ap-shanghai.cls.tencentyun.com
Content-Type: application/json
Content-Length: 50
Authorization: q-sign-algorithm=sha1&q-ak=AKIDc9YlmrBcFk4C8sbmXQ8i65XXXXXXXXXX&q-sign-time=1578976553;1578978363&q-key-time=1578976553;1578978363&q-header-list=content-type;host&q-url-param-list=&q-signature=600aeb5e646d385d7dd9da57ba9b2545cadfaa1c
{"logset_id":"xxxx-xx-xx-xx-xxxxxxx", "period":30}
```

Common Request Headers

Last updated : 2020-07-07 10:44:45

Overview

This document describes common request headers that need to be included when CLS APIs are used. The following headers will not be detailed in specific API documents.

Common Request Header List

HTTP Header Name	Description
Host	Request host name, which varies by region, such as <code>ap-shanghai.cls.tencentyun.com</code> for the Shanghai region
Authorization	Signing information. For the calculation method, please see Request Signature
Content-Length	Request body length. If there is no body, this header can be optional
Content-Type	Request body format. If there is no body, this header can be optional. It is determined by the specific API document. Currently, <code>application/json</code> and <code>application/x-protobuf</code> are supported
Content-MD5	MD5 value of request body. If there is no body, this header can be optional. The calculation result is in lower case
x-cls-compress-type	Compression method used by requested body. Currently, lz4 compression is supported. This header is required only by the log upload API. If no compression is performed, it can be optional
x-cls-token	A temporary security token as part of temporary security credentials returned by a STS request. This parameter must be included if you access CLS using a temporary key.

Common Response Header

Last updated : 2020-05-21 14:20:21

Overview

This document describes common response headers when CLS APIs are used. The following headers will not be detailed in the API documentation.

Response Header List

The response headers are as follows:

HTTP Header Name	Description
Content-Length	Response body length
Content-Type	Response body type. Currently, <code>application/json</code> is supported
x-cls-requestid	Unique request ID generated by the server

Log Management

Uploading Structured Log

Last updated : 2020-11-09 18:49:21

Feature Description

This API is used to write logs to a specified log topic.

CLS provides the following two modes:

Load balancing mode

In this mode, logs will be automatically written to a target partition among all readable/writable partitions under the current log topic based on the load balancing principle. This mode is suitable for scenarios where the sequential consumption is not needed.

Sample

```
POST /structuredlog?topic_id=xxxxxxxx-xxxx-xxxx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/x-protobuf

<`LogGroupList` content packaged as a PB file>
```

Hash routing mode

In this mode, data will be written to a target partition that meets the range requirements based on the hash value (x-cls-hashkey) carried by data. For example, a log source can be bound to a topic partition through `hashkey`, strictly guaranteeing the sequence of the data written to and consumed in this partition.

Sample

```
POST /structuredlog?topic_id=xxxxxxxx-xxxx-xxxx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/x-protobuf
x-cls-hashkey: xxxxxxxxxxxxxxxxxxxxxxxxxxxx

<`LogGroupList` content packaged as a PB file>
```

Note :

For more information on the PB description file format and compilation steps, please see [PB Compilation Sample](#).

In addition, CLS allows you to upload logs in the following two modes:

Uploading compressed logs

In this mode, logs are compressed in lz4 format for collection, and then uploaded for retention. This mode reduces the log upload traffic (write traffic) and saves costs.

Sample

```
POST /structuredlog?topic_id=xxxxxxxx-xxxx-xxxx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/x-protobuf
x-cls-compress-type: lz4

<`LogGroupList` content packaged as a PB file>
```

Uploading original logs

In this mode, logs are uploaded in their original size, which incurs higher log write traffic fees.

Sample

```
POST /structuredlog?topic_id=xxxxxxxx-xxxx-xxxx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/x-protobuf

<`LogGroupList` content packaged as a PB file>
```

Request**Request line**

```
POST /structuredlog
```

Request header

The `x-cl5-hashkey` request header indicates that logs are written to the CLS topic partitions with a range corresponding to the hashkey route, strictly guaranteeing the write sequence of logs to each topic partition for sequential consumption.

Field Name	Type	Location	Required	Description
x-cl5-hashkey	string	header	No	Specifies the topic partition to which the logs will be written based on <code>hashkey</code>

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	ID of the target log topic to which data will be uploaded and can be viewed in the log topic page
logGroupList	message	pb	Yes	The logGroup list, which describes the encapsulated log groups. Less than five <code>logGroup</code> values are recommended.

`LogGroup` description:

Field Name	Required	Description
logs	Yes	Log array consisting of multiple <code>Log</code> values. The <code>Log</code> indicates a log, and <code>LogGroup</code> can contain up to 10,000 <code>Log</code> values
contextFlow	No	UID used to maintain context, which does not take effect currently
filename	No	Log filename
source	No	Log source, which is generally the server IP
logTags	No	Tag list of logs

`Log` description:

Field Name	Required	Description
time	Yes	UNIX timestamp of log time in seconds (not recommended), milliseconds, or microseconds

contents	No	Log content in <code>key-value</code> format. A log can contain multiple <code>key-value</code> pairs
----------	----	---

`Content` description:

Field Name	Required	Description
key	Yes	Key of a field group in one log, which cannot start with <code>_</code>
value	Yes	Value of a field group, which cannot exceed 1 MB in one log. The total value cannot exceed 5 MB in <code>LogGroup</code>

`LogTag` description:

Field Name	Required	Description
key	Yes	Key of a custom tag
value	Yes	Value corresponding to the custom tag key

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

No special response header is used except for common response header.

Response parameters

None.

Error Codes

For more information, see [Error Codes](#).

PB Compilation Sample

This sample describes how to use the protoc compiler to compile the PB description file into a log upload API in C++.

Note :

Currently, protoc supports compilation in multiple programming languages such as Java, C++, and Python. For more information, please see [protoc](#).

####. 1. Install Protocol Buffer

Download [Protocol Buffer](#), decompress and install it. This document uses protobuf 2.6.1 running on CentOS 7.3 as an example.

Run the following command to decompress the `protobuf-2.6.1.tar.gz` package to `/usr/local` and access this directory:

```
[root@VM_0_8_centos]# tar -zxvf protobuf-2.6.1.tar.gz -C /usr/local/ && cd /usr/local/protobuf-2.6.1
```

Run the following commands to start compilation and installation, and configure the environment variables:

```
[root@VM_0_8_centos protobuf-2.6.1]# ./configure
[root@VM_0_8_centos protobuf-2.6.1]# make && make install
[root@VM_0_8_centos protobuf-2.6.1]# export PATH=$PATH:/usr/local/protobuf-2.6.1/bin
```

After the compilation succeeds, run the following command to check the version:

```
[root@VM_0_8_centos protobuf-2.6.1]# protoc --version
libprotoc 2.6.1
```

2. Create a PB description file

A PB description file is an agreed-on data exchange format for communication. To upload logs, please compile the specified protocol format to an API in the target programming language and add the API to the project code. For more information, please see [protoc](#).

Create a PB message description file `cls.proto` based on the PB data format content specified by CLS.

Note :

The PB description file content cannot be modified, and the filename must end with `.proto`.

The content of `cls.proto` (PB description file) is as follows:

```
package cls;

message Log
{
  message Content
  {
    required string key = 1; // Key of each field group
    required string value = 2; // Value of each field group
  }
  required int64 time = 1; // Unix timestamp
  repeated Content contents = 2; // Multiple `key-value` pairs in one log
}

message LogTag
{
  required string key = 1;
  required string value = 2;
}

message LogGroup
{
  repeated Log logs = 1; // Log array consisting of multiple logs
  optional string contextFlow = 2; // This parameter does not take effect currently
  optional string filename = 3; // Log filename
  optional string source = 4; // Log source, which is generally the server IP
  repeated LogTag logTags = 5;
}

message LogGroupList
{
  repeated LogGroup logGroupList = 1; // Log group list
}
```

3. Compile and generate the API

This sample uses the proto compiler to generate a C++ file in the same directory as the `cls.proto` file. Run the following compilation commands:

```
protoc --cpp_out=./ ./cls.proto
```

Note :

`--cpp_out=.` indicates that the file will be compiled in cpp format and output to the current directory. `./cls.proto` indicates the `cls.proto` description file in the current directory.

After the compilation succeeds, the code file in the corresponding programming language will be output. This sample generates the `cls.pb.h` header file and `cls.pb.cc` code implementation file as shown below:

```
[root@VM_0_8_centos protobuf-2.6.1]# protoc --cpp_out=. ./cls.proto
[root@VM_0_8_centos protobuf-2.6.1]# ls
cls.pb.cc cls.pb.h cls.proto
```

4. Call the API

Import the generated `cls.pb.h` header file into the code and call the API for data format encapsulation.

Get Log Cursor

Last updated : 2020-05-21 14:20:22

Feature Description

This API is used to get the log cursor under a specified log topic and download.

Request

Sample request

```
GET /cursor?topic_id=xxxxxxxx-xxxx-xxxx-xxxx&start=2017-12-28%2014%3A13%3A00 HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /cursor
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID
start	string	query	Yes	Log start time accurate to the minute in the format of YYYY-mm-dd HH:MM:SS

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

Content-Length: 23

```
{  
  "cursor": "1212ssssxxxxxx"  
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
cursor	string	Yes	Cursor

Error Codes

For more information, please see [Error Codes](#).

Searching for Log

Last updated : 2020-11-23 16:26:04

Feature Description

This API is used to search for log content by specified criteria.

Request

Sample request

```
GET /searchlog?logset_id=xxxx-xx-xx-xx-xxxxxxx&topic_ids=xxxx,xxxx&start_time=2017-08-22%2010%3A10%3A10&end_time=2017-08-23%2010%3A10%3A10&query_string=&limit=10&context= HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /searchlog
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_id	string	query	Yes	ID of the logset to be queried
topic_ids	string	query	Yes	IDs of the topics to be queried, separated with <code>,</code>
start_time	string	query	Yes	Start time of the log to be queried in the format of <code>YYYY-mm-dd HH:MM:SS</code>
end_time	string	query	Yes	End time of the log to be queried in the format of <code>YYYY-mm-dd HH:MM:SS</code>
query_string	string	query	Yes	Query statement. For more information, see Syntax and Rules

limit	int	query	Yes	Number of logs to be returned at a time. Maximum value: 100
context	string	query	No	This field is used when loading more results. Pass through the last <code>context</code> value returned to get more log content. Up to 10,000 logs can be obtained through cursor. Please narrow down the time range as much as possible
sort	string	query	No	Sorting by log time. Valid values: asc (ascending), desc (descending). Default value: desc

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 53

{
  "context": "abcdefg",
  "listover": false,
  "results": [
    {
      "timestamp": "2017-07-14 20:43:00",
      "topic_id": "xxxx-xx-xx-xx-xxxxxxxx",
      "topic_name": "xxxxxxx",
      "content": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx"
    },
    {
      "timestamp": "2017-07-14 20:42:00",
      "topic_id": "xxxx-xx-xx-xx-xxxxxxxx",
      "topic_name": "xxxxxxx",
      "content": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx"
    }
  ]
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
context	string	Yes	Cursor for more search results
listover	bool	Yes	Whether all search results have been returned
results	JSONArray(LogObject)	Yes	Log content information

LogObject is in the following format:

Field Name	Type	Required	Description
topic_id	string	Yes	Topic ID of log
topic_name	string	Yes	Log topic name
timestamp	string	Yes	Log time
content	string	Yes	Log content
filename	string	Yes	Collection path
source	string	Yes	Log source device

Error Codes

For more information, please see [Error Codes](#).

Downloading Log

Last updated : 2020-05-21 14:20:22

Feature Description

This API is used to download logs by using a cursor.

Request

Sample request

```
GET /log?topic_id=xxxxxxxx-xxxx-xxxx-xxxx&cursor=xxxxxx&count=10 HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /log
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID
cursor	string	query	Yes	Cursor obtained through the log cursor getting API
count	string	query	Yes	Number of logs to be downloaded. Maximum value: 1000

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/x-protobuf
Content-Length: 23
x-cls-cursor: xxxxxx
x-cls-count:10

<Packaged content of `LogGroupList` in pb format>
```

Response header

Header Name	Description
x-cls-cursor	Current log cursor for use by next download
x-cls-count	Number of logs downloaded in the current request

Response parameters

The packaged content of the `LogGroupList` object is returned. For the pb file description, please see [Uploading Structured Logs](#).

Error Codes

For more information, please see [Error Codes](#).

Logset Management

Creating Logset

Last updated : 2020-05-21 14:20:22

Feature Description

This API is used to create a logset and return its ID.

Request

Sample request

```
POST /logset HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{"logset_name": "testname", "period": 15}
```

Request line

```
POST /logset
```

Request header

There are only common response headers but no special response headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_name	string	body	Yes	Logset name, which must be unique
period	int	body	Yes	Logset retention period in days. Maximum value: 90

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{"logset_id": "xxxx-xx-xx-xx-xxxxxxxx"}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
logset_id	string	Yes	Logset ID

Error Codes

For more information, please see [Error Codes](#).

Getting Logset Information

Last updated : 2020-05-21 14:20:22

Feature Description

This API is used to get the logset information.

Request

Sample request

```
GET /logset?logset_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /logset
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_id	string	query	Yes	ID of the logset to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "logset_id": "xxxx-xx-xx-xx-xxxxxxx",
```

```

"logset_name": "testname",
"period": 15,
"create_time": "2017-08-08 12:12:12",
"assumer_uin": 1000088888,
"assumer_name": "xxxxxx",
"logset_modify_acl": 31
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
logset_id	string	Yes	Logset ID
logset_name	string	Yes	Logset name
period	int	Yes	Retention period in days
create_time	string	No	Creation time
assumer_uin	uint64	No	<code>uin</code> of the service that creates the logset (this field is present only when a general account views the logsets created by a service account)
assumer_name	string	No	Name of the service that creates the logset (this field is present only when a general account views the logsets created by a service account)
logset_modify_acl	int	No	General user's permission to modify logsets, i.e., <code>modify_acl</code> (0B00000: modification prohibited, 0B00001: modification allowed for basic information) (this field is present only when a general account views the logsets created by a service account)

Error Codes

For more information, please see [Error Codes](#).

Getting Logset List

Last updated : 2020-05-21 14:20:23

Feature Description

This API is used to get the logset information list.

Request

Sample request

```
GET /logsets HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /logsets
```

Request header

There are only common request headers but no special request headers.

Request parameters

None.

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "logsets": [
    {
      "logset_id": "xxxx-xx-xx-xx-xxxxxxxx",
```

```

"logset_name": "testname",
"period": 15,
"create_time": "2017-08-08 12:12:12",
"assumer_uin": 1000088888,
"assumer_name": "xxxxxx",
"logset_modify_acl": 31
}
]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
logsets	JSONArray	Yes	Logset information array

`LogsetInfo` is in the following format:

Field Name	Type	Required	Description
logset_id	string	Yes	Logset ID
logset_name	string	Yes	Logset name
period	int	Yes	Retention period in days
create_time	string	No	Creation time
assumer_uin	uint64	No	<code>uin</code> of the service that creates the logset (this field is present only when a general account views the logsets created by a service account)
assumer_name	string	No	Name of the service that creates the logset (this field is present only when a general account views the logsets created by a service account)
logset_modify_acl	int	No	General user's permission to modify logsets, i.e., <code>modify_acl</code> (0B0000: modification prohibited, 0B0001: modification allowed for basic information) (this field is present only when a general account views the logsets created by a service account)

Error Codes

For more information, please see [Error Codes](#).

Modifying Logset

Last updated : 2020-05-21 14:20:23

Feature Description

This API is used to modify a logset.

Request

Sample request

```
PUT /logset HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{"logset_id": "xxxx-xx-xx-xx-xxxxxxx", "logset_name": "testname", "period": 15}
```

Request line

```
PUT /logset
```

Request header

There are only common response headers but no special response headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_id	string	body	Yes	ID of the logset to be modified
logset_name	string	body	No	Logset name, which must be unique
period	int	body	No	Logset retention period in days. Maximum value: 90

At least one parameter out of `logset_name` and `period` must be provided.

Response

Sample response

```
HTTP/1.1 200 OK  
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

If the update is successful, there will be no response parameters.

Error Codes

For more information, please see [Error Codes](#).

Deleting Logset

Last updated : 2020-05-21 14:20:23

Feature Description

This API is used to delete a logset.

Request

Sample request

```
DELETE /logset?logset_id=xxxx-xx-xx-xx-xxxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
DELETE /logset
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_id	string	query	Yes	ID pf the logset to be deleted

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

If the deletion is successful, there will be no response parameters.

Error Codes

For more information, please see [Error Codes](#).

Log Topic Management

Creating Log Topic

Last updated : 2020-05-21 14:20:23

Feature Description

This API is used to create a log topic and return its ID.

Request

Sample request

```
POST /topic HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{
  "logset_id": "xxxxxx-xx-xx-xx-xxxxxxxx",
  "topic_name": "testname",
  "partition_count": "1",
  "path": "/data/nginx/log/access.log",
  "wild_path": "/data/nginx/log/**/access.log",
  "log_type": "delimiter_log",
  "extract_rule": {
    "time_key": "date",
    "time_format": "%Y-%m-%d %H:%M:%S",
    "delimiter": "|",
    "log_regex": ".*",
    "beginning_regex": "^",
    "keys": ["date", "", "content"],
    "filter_keys": [],
    "filter_regex": []
  }
}
```

Request line

```
POST /topic
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_id	string	body	Yes	Logset ID of log topic
topic_name	string	body	Yes	Log topic name
partition_count	int	body	No	Number of topic partitions. If this parameter is not passed in, one partition will be created by default. Maximum value: 10. Split/merge operations will change the number of partitions. Up to 50 partitions in total are allowed
path	string	body	No	Path of log to be collected by legacy log topic. If collection is not performed, there is no need to set this parameter
wild_path	string	body	No	Path of log to be collected by new wildcard log topic. File directory and filename as separated by <code>/***</code> . Either this parameter or the legacy <code>path</code> parameter can exist
log_type	string	body	No	Type of log to be collected. <code>json_log</code> : log in JSON format, <code>delimiter_log</code> : log in delimited format, <code>minimalist_log</code> : log in single-line format, <code>multiline_log</code> : log in multi-line format, <code>fullregex_log</code> : log in full regex format. Default value: <code>minimalist_log</code>
extract_rule	JsonObject	body	No	Extraction rule. If <code>extract_rule</code> is set, <code>log_type</code> must be set

`extract_rule` is in the following format:

Field Name	Type	Required	Description
------------	------	----------	-------------

Field Name	Type	Required	Description
time_key	string	No	Time field key name. <code>time_key</code> and <code>time_format</code> must appear in pairs
time_format	string	No	Time field format. For more information, please see the time format description of the <code>strftime</code> function in C language
delimiter	string	No	Delimiter for delimited log, which is valid only if <code>log_type</code> is <code>delimiter_log</code>
log_regex	string	No	Full log matching rule, which is valid only if <code>log_type</code> is <code>fullregex_log</code>
beginning_regex	string	No	Line beginning matching rule, which is valid only if <code>log_type</code> is <code>multiline_log</code>
keys	JSONArray(string)	No	Key name of each extracted field. An empty key indicates to discard the field. This parameter is valid only if <code>log_type</code> is <code>delimiter_log</code> . <code>json_log</code> logs use the key of JSON itself
filter_keys	JSONArray(string)	No	Log keys to be filtered (up to 5)
filter_regex	JSONArray(string)	No	Values corresponding to the above <code>filter_keys</code> field. The number of values is the same as that of keys in <code>filter_keys</code> . The values are in one-to-one correspondence to the collected logs

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{"topic_id": "xxxx-xx-xx-xx-xxxxxxxx"}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
topic_id	string	Yes	Log topic ID

Error Codes

For more information, please see [Error Codes](#).

Getting Log Topic Information

Last updated : 2020-05-21 14:20:23

Feature Description

This API is used to get the log topic information.

Request

Sample request

```
GET /topic?topic_id=xxxx-xx-xx-xx-yyyyyyyy HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /topic
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	ID of the topic to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "logset_id": "xxxx-xx-xx-xx-xxxxxxx",
```

```

"topic_id": "xxxx-xx-xx-xx-yyyyyyyy",
"topic_name": "testname",
"partition_count": "1",
"path": "/abc/log/test.log",
"wild_path": "/data/nginx/log/**/access.log",
"collection": true,
"index": true,
"log_type": "delimiter_log",
"extract_rule": {
"time_key": "date",
"time_format": "%Y-%m-%d %H:%M:%S",
"delimiter": "|",
"log_regex": ".*",
"beginning_regex": "^",
"keys": ["date", "", "content"],
"filter_keys": [],
"filter_regex": []
},
"assumer_uin": 1000088888,
"assumer_name": "xxxxxx",
"topic_modify_acl": 31,
"topic_show_acl": 31,
"create_time": "2017-08-08 12:12:12"
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
logset_id	string	Yes	Logset ID
topic_id	string	Yes	Log topic ID
topic_name	string	Yes	Log topic name
partition_count	int	Yes	Number of topic partitions
path	string	Yes	Path of legacy log file
wild_path	string	Yes	Path of new wildcard log file. File directory and filename as separated by <code>/**/</code> . Either this parameter or the legacy <code>path</code> parameter can exist

Field Name	Type	Required	Description
collection	bool	Yes	Whether to enable collection
index	bool	Yes	Whether to enable index
log_type	string	Yes	Type of log to be collected. <code>json_log</code> : log in JSON format, <code>delimiter_log</code> : log in delimited format, <code>minimalist_log</code> : log in single-line format, <code>multiline_log</code> : log in multi-line format, <code>fullregex_log</code> : log in full regex format
extract_rule	JsonObject	Yes	Extraction rule
machine_group	JsonObject	Yes	Collection server group information
assumer_uin	uint64	No	<code>uin</code> of the service that creates the topic (this field is present only when a general account views the topics created by a service account)
assumer_name	string	No	Name of the service that creates the topic (this field is present only when a general account views the topics created by a service account)
topic_modify_acl	int	No	General user's permission to modify topics, i.e., <code>modify_acl</code> (0B00000: modification prohibited, 0B00001: modification allowed for basic information, 0B00010: modification allowed for collection information, 0B00100: modification allowed for index information, 0B01000: modification allowed for shipping information, 0B10000: modification allowed for consumption information) (this field is present only when a general account views the topics created by a service account)
topic_show_acl	int	No	General user's permission to show topics, i.e., <code>show_acl</code> (0B00000: show nothing, 0B00001: show basic information, 0B00010: show collection information, 0B00100: show index information, 0B01000: show shipping information, 0B10000: show consumption information)
create_time	string	No	Creation time

`extract_rule` is in the following format:

Field Name	Type	Required	Description
<code>time_key</code>	string	No	Time field key name
<code>time_format</code>	string	No	Time field format. For more information, please see the time format description of the <code>strftime</code> function in C language
<code>delimiter</code>	string	No	Delimiter for delimited log
<code>log_regex</code>	string	No	Matching rule for logs in full regex format
<code>beginning_regex</code>	string	No	Line beginning matching rule for multi-line logs
<code>keys</code>	JSONArray(string)	No	Key name of each extracted field
<code>filter_keys</code>	JSONArray(string)	No	Log keys to be filtered
<code>filter_regex</code>	JSONArray(string)	No	Values corresponding to the above <code>filter_keys</code> field. The number of values is the same as that of keys in <code>filter_keys</code> . The values are in one-to-one correspondence to the keys

Error Codes

For more information, please see [Error Codes](#).

Getting Server Group Bound to Log Topic

Last updated : 2020-05-21 14:20:24

Feature Description

This API is used to get the information of the server group bound to a log topic.

Request

Sample request

```
GET /topic/machinegroup?topic_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <Authorization String>
```

Request line

```
GET /topic/machinegroup
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	ID of the log topic to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123
```

```
{
  "machine_groups": [
    {
      "group_id": "xxxx-xx-xx-xx-yyyyyyyy",
      "group_name": "testname"},
    {"group_id": "xxxx-xx-xx-xx-zzzzzzzz",
      "group_name": "testname1"}
  ]
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
machine_groups	JSONArray	Yes	Array of server groups bound to log topic

`machine_groups` is in the following format:

Field Name	Type	Required	Description
group_id	string	Yes	Server group ID
group_name	string	Yes	Server group name

Error codes

For more information, please see [Error Codes](#).

Getting Log Topic List

Last updated : 2020-05-21 14:20:24

Feature Description

This API is used to get the log topic information list.

Request

Sample request

```
GET /topics?logset_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /topics
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
logset_id	string	query	Yes	ID of the logset to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "topics": [{
```

```

"logset_id": "xxxx-xx-xx-xx-xxxxxxxx",
"topic_id": "xxxx-xx-xx-xx-yyyyyyyy",
"topic_name": "testname",
"partition_count": "1",
"path": "/abc/log/test.log",
"wild_path": "/data/nginx/log/**/access.log",
"collection": true,
"index": true,
"log_type": "delimiter_log",
"extract_rule": {
"time_key": "date",
"time_format": "%Y-%m-%d %H:%M:%S",
"delimiter": "|",
"log_regex": ".*",
"beginning_regex": "^",
"keys": ["date", "", "content"],
"filter_keys": [],
"filter_regex": []
},
"assumer_uin": 1000088888,
"assumer_name": "xxxxxx",
"topic_modify_acl": 31,
"topic_show_acl": 31,
"create_time": "2017-08-08 12:12:12"
}]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
topics	JSONArray	Yes	Log topic information array

`TopicInfo` is in the following format:

Field Name	Type	Required	Description
logset_id	string	Yes	Logset ID
topic_id	string	Yes	Log topic ID
topic_name	string	Yes	Log topic name

Field Name	Type	Required	Description
partition_count	int	Yes	Number of topic partitions
path	string	Yes	Path of legacy log file
wild_path	string	No	Path of log to be collected by new wildcard log topic. File directory and filename as separated by <code>/**/</code> . Either this parameter or the legacy <code>path</code> parameter can exist
collection	bool	Yes	Whether to enable collection
index	bool	Yes	Whether to enable index
log_type	string	Yes	Type of log to be collected. <code>json_log</code> : log in JSON format, <code>delimiter_log</code> : log in delimited format, <code>minimalist_log</code> : minimalist log, <code>egex_log</code> or <code>multiline_log</code> : log in multi-line format, <code>fullregex_log</code> : log in full regex format
extract_rule	JsonObject	Yes	Extraction rule
machine_group	JsonObject	Yes	Collection server group information
assumer_uin	uint64	No	<code>uin</code> of the service that creates the topic (this field is present only when a general account views the topics created by a service account)
assumer_name	string	No	Name of the service that creates the topic (this field is present only when a general account views the topics created by a service account)
topic_modify_acl	int	No	General user's permission to modify topics, i.e., <code>modify_acl</code> (0B00000: modification prohibited, 0B00001: modification allowed for basic information, 0B00010: modification allowed for collection information, 0B00100: modification allowed for index information, 0B01000: modification allowed for shipping information, 0B10000: modification allowed for consumption information) (this field is present only when a general account views the topics created by a service account)

Field Name	Type	Required	Description
topic_show_acl	int	No	General user's permission to show topics, i.e., <code>show_acl</code> (0B00000: show nothing, 0B00001: show basic information, 0B00010: show collection information, 0B00100: show index information, 0B01000: show shipping information, 0B10000: show consumption information)
create_time	string	No	Creation time

`extract_rule` is in the following format:

Field Name	Type	Required	Description
time_key	string	No	Time field key name
time_format	string	No	Time field format. For more information, please see the time format description of the <code>strftime</code> function in C language
delimiter	string	No	Delimiter for delimited log
log_regex	string	No	Full log matching rule for multi-line logs
beginning_regex	string	No	Line beginning matching rule for multi-line logs
keys	JSONArray(string)	No	Key name of each extracted field
filter_keys	JSONArray(string)	No	Log keys to be filtered
filter_regex	JSONArray(string)	No	Values corresponding to the above <code>filter_keys</code> field. The number of values is the same as that of keys in <code>filter_keys</code> . The values are in one-to-one correspondence to the keys

Error Codes

For more information, please see [Error Codes](#).

Modifying Log Topic

Last updated : 2020-05-21 14:20:24

Feature Description

This API is used to modify a log topic.

Request

Sample request

```
PUT /topic HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{
  "topic_id": "xxxxxx-xx-xx-xx-xxxxxxx",
  "topic_name": "testname",
  "path": "/data/nginx/log/access.log",
  "wild_path": "/data/nginx/log/**/access.log",
  "collection": false,
  "log_type": "delimiter_log",
  "extract_rule": {
    "time_key": "date",
    "time_format": "%Y-%m-%d %H:%M:%S",
    "delimiter": "|",
    "log_regex": ".*",
    "beginning_regex": "^",
    "keys": ["date", "", "content"],
    "filter_keys": [],
    "filter_regex": []
  }
}
```

Request line

```
PUT /topic
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	body	Yes	Log topic ID
topic_name	string	body	No	Log topic name
path	string	body	No	Path of log to be collected by legacy log topic
wild_path	string	body	No	Path of log to be collected by new wildcard log topic. File directory and filename as separated by <code>/**/</code> . Either this parameter or the legacy <code>path</code> parameter can exist
collection	bool	body	No	Whether to enable collection
log_type	string	body	No	Type of log to be collected: <ul style="list-style-type: none"> <code>json_log</code> : log in JSON format <code>delimiter_log</code> : log in delimited format <code>minimalist_log</code> : log in single-line format <code>multiline_log</code> : log in multi-line format <code>fullregex_log</code> : log in full regex format
extract_rule	JsonObject	body	No	Extraction rule

At least one parameter out of `topic_name`, `path`, `group_id`, `collection`, and `(log_type+extract_rule)` must be provided.

`extract_rule` is in the following format:

Field Name	Type	Required	Description
time_key	string	No	Time field key name. <code>time_key</code> and <code>time_format</code> must appear in pairs
time_format	string	No	Time field format. For more information, please see the time format description of the <code>strftime</code> function in C language

Field Name	Type	Required	Description
delimiter	string	No	Delimiter for delimited log, which is valid only if <code>log_type</code> is <code>delimiter_log</code>
log_regex	string	No	Full log matching rule, which is valid only if <code>log_type</code> is <code>fullregex_log</code>
beginning_regex	string	No	Line beginning matching rule, which is valid only if <code>log_type</code> is <code>fullregex_log</code> or <code>multiline_log</code>
keys	JSONArray(string)	No	Key name of each extracted field. An empty key indicates to discard the field. This parameter is valid only if <code>log_type</code> is <code>delimiter_log</code> . <code>json_log</code> logs use the key of JSON itself
filter_keys	JSONArray(string)	No	Log keys to be filtered (up to 5)
filter_regex	JSONArray(string)	No	Values corresponding to the above <code>filter_keys</code> field. The number of values is the same as that of keys in <code>filter_keys</code> . The values are in one-to-one correspondence to the collected logs

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Setting Server Group Bound to Log Topic

Last updated : 2020-05-21 14:20:24

Feature Description

This API is used to set the server group information bound to a log topic.

Request

Sample request

```
PUT /topic/machinegroup?topic_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <Authorization String>
Content-Type: application/json
{
  "machine_groups": ["xxxxxx-xx-xx-xx-yyyyyyy"]
}
```

Request line

```
PUT /topic/machinegroup
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Configured log topic ID
machine_groups	JSONArray (string)	body	Yes	Array of server group IDs bound to log topic

Response

Sample response

```
HTTP/1.1 200 OK  
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Deleting Log Topic

Last updated : 2020-05-21 14:20:25

Feature Description

This API is used to delete a log topic.

Request

Sample request

```
DELETE /topic?topic_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
DELETE /topic
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	ID of the log topic to be deleted

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Zoning Management

Getting Topic Partition List

Last updated : 2020-05-21 14:20:25

Feature Description

This API is used to get the topic partition information list.

Request

Sample request

```
GET /partitions?topic_id=xxxx-xx-xx-xx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Parameter Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 21

{
  "partitions": [
    {
      "partition_id": 1,
```

```

"status": "readwrite",
"inclusive_begin_key": "0000000000000000000000000000000000",
"exclusive_end_key": "a000000000000000000000000000000000",
"create_time": "2019-01-14 19:19:41"
},
{
"partition_id": 2,
"status": "readwrite",
"inclusive_begin_key": "a000000000000000000000000000000000",
"exclusive_end_key": "ffffffffffffffffffffffffffffffffffffffff",
"create_time": "2019-01-14 19:19:41"
}
]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
partition_id	int	Yes	Topic partition number
status	string	Yes	Topic partition status: <ul style="list-style-type: none"> readwrite: read/write readonly: read-only
inclusive_begin_key	string	Yes	Starting position of topic partition range
exclusive_end_key	string	Yes	Ending position of topic partition range
create_time	string	Yes	Topic partition creation time

Error Codes

For more information, please see [Error Codes](#).

Merging Topic Partition

Last updated : 2020-05-21 14:20:25

Feature Description

This API is used to merge a topic partition in read/write state. When merging, specify a topic partition ID, and CLS will automatically merge the partition adjacent to the right of the range.

Request

Sample request

```
POST /partitions?topic_id=xxxx-xx-xx-xx-xxxx&partition_id=2&action=merge HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of partition
partition_id	int	query	Yes	Number of the topic partition to be merged. CLS will automatically merge the partition adjacent to the right of the range. For example, if 2 and 3 are two adjacent <code>readwrite</code> partitions, and <code>partition_id</code> is 2, then partitions 2 and 3 will be merged, and their type will become <code>readonly</code> . The merged partition type will be <code>readwrite</code> , and its <code>partition_id</code> will be 4
action	string	query	Yes	Operation type. <code>action</code> needs to be set to <code>merge</code>

Response

Sample response

```

HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 21

{
  "partitions": [
    {
      "partition_id": 2,
      "status": "readonly",
      "inclusive_begin_key": "0000000000000000000000000000000000",
      "exclusive_end_key": "7fffffffffffffffffffffffffffffffffffffff",
      "create_time": "2019-01-14 19:25:41"
    },
    {
      "partition_id": 3,
      "status": "readonly",
      "inclusive_begin_key": "7fffffffffffffffffffffffffffffffffffffff",
      "exclusive_end_key": "ffffffffffffffffffffffffffffffffffffffff",
      "create_time": "2019-01-14 19:25:41"
    },
    {
      "partition_id": 4,
      "status": "readwrite",
      "inclusive_begin_key": "0000000000000000000000000000000000",
      "exclusive_end_key": "ffffffffffffffffffffffffffffffffffffffff",
      "create_time": "2019-01-14 19:33:41"
    }
  ]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Description
partition_id	int	Topic partition number

Field Name	Type	Description
status	string	Topic partition status: <ul style="list-style-type: none">• readwrite: read/write• readonly: read-only
inclusive_begin_key	string	Starting position of topic partition range
exclusive_end_key	string	Ending position of topic partition range
create_time	string	Topic partition creation time

Error Codes

For more information, please see [Error Codes](#).

Splitting Topic Partition

Last updated : 2020-10-26 15:41:04

Feature Description

This API is used to split a topic partition in read/write state.

Request

Sample request

```
POST /partitions?topic_id=xxxx-xx-xx-xx-xxxx&partition_id=1&split_key=7ffffffffffffffffffffffffffffffffff
ffffffff&action=split HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of partition
partition_id	int	query	No	Number of the topic partition to be split
action	string	query	Yes	Operation type. <code>action</code> needs to be set to <code>split</code>
split_key	string	query	No	Split position of the two topic partitions, which is a hexadecimal string of up to 32 bits (excluding the <code>0x</code> part). If you need to split partitions into three or more partitions, the average split will be used. In this case, this parameter does not take effect.
number	int	query	No	Number of splits. Default value: 2

Response

Sample response

```

HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 21

{
  "partitions": [
    {
      "partition_id": 1,
      "status": "readonly",
      "inclusive_begin_key": "0000000000000000000000000000000000",
      "exclusive_end_key": "ffffffffffffffffffffffffffffffff",
      "create_time": "2019-01-14 19:19:41"
    },
    {
      "partition_id": 2,
      "status": "readwrite",
      "inclusive_begin_key": "0000000000000000000000000000000000",
      "exclusive_end_key": "7fffffffffffffffffffffffffffffffff",
      "create_time": "2019-01-14 19:25:41"
    },
    {
      "partition_id": 3,
      "status": "readwrite",
      "inclusive_begin_key": "7fffffffffffffffffffffffffffffffff",
      "exclusive_end_key": "ffffffffffffffffffffffffffffffff",
      "create_time": "2019-01-14 19:25:41"
    }
  ]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Description
partition_id	int	Topic partition number
status	string	Topic partition status: <ul style="list-style-type: none"> readwrite: read/write readonly: read-only

inclusive_begin_key	string	Starting position of topic partition range
exclusive_end_key	string	Ending position of topic partition range
create_time	string	Topic partition creation time

Error Codes

For more information, please see [Error Codes](#).

Shipping Task Management

Creating Shipping Task

Last updated : 2020-07-02 16:42:28

Feature

This API is used to create a shipping task. When using this API, you need to manually grant CLS the permission to write to the specified bucket.

Request

Request samples

```
POST /shipper HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json
```

```
{
  "topic_id": "xxxx-xx-xx-xx-xxxxxxx",
  "bucket": "test-1250000001",
  "prefix": "test",
  "shipper_name": "myname",
  "interval": 300,
  "max_size": 100,
  "partition": "%Y%m%d",
  "compress": {
    "format": "none"
  },
  "content": {
    "format": "csv",
    "csv_info": {
      "print_key": true,
      "keys": ["key1", "key2"],
      "delimiter": "|",
      "escape_char": "",
      "non_existing_field": "null"
    }
  }
}
```

Request line

POST /shipper

Request headers

No special request header is used except for the common header.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	body	Yes	ID of the topic to which the shipping task to be created belongs
bucket	string	body	Yes	Shipping bucket of the shipping task to be created. Format: {bucketName}-{appid}
prefix	string	body	Yes	Prefix of the shipping directory of the shipping task to be created
shipper_name	string	body	Yes	Shipping rule name
interval	int	body	No	Shipping interval in seconds. Default: 300. Valid values: [300, 360, 420, 480, 540, 600, 660, 720, 780, 840, 900] (equal to integer minutes)
max_size	int	body	No	The maximum size of a file to be shipped (in MB). Default is 100 MB. Value range: 100-256
partition	string	body	No	Rules for partitioning logs to be shipped. <code>Strftime</code> can be used to define the time format.
compress	object	body	No	Compression configuration of logs to be shipped
content	object	body	No	Format configuration of logs to be shipped

compress is composed as follows:

Field Name	Type	Required	Description
------------	------	----------	-------------

Field Name	Type	Required	Description
format	string	Yes	Compression format, including <code>gzip</code> , <code>lzop</code> and <code>none</code> (do not compress).

content is composed as follows:

Field Name	Type	Required	Description
format	string	Yes	Content format, which supports <code>json</code> and <code>csv</code> .
csv_info	object	No	Required when the content format is <code>csv</code>

csv_info is composed as follows:

Field Name	Type	Required	Description
print_key	bool	Yes	Indicates whether to write the first line of key to the csv file
keys	array(string)	Yes	Key name of each column
delimiter	string	Yes	The separator between fields
escape_char	string	Yes	Escape characters are used to enclose the separators contained in a field.
non_existing_field	string	Yes	It is used to populate the fields specified above that do not exist or are invalid.

Response

Response sample

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 0
{
  "shipper_id": "xxxx-xx-xx-xx-xxxxxxxx",
}
```

Response headers

No special response header is used except for the common response header.

Response parameters

Field Name	Type	Required	Description
shipper_id	string	Yes	ID of the new shipping task

Error Codes

For more information, see [Error Codes](#).

Getting Shipping Configuration

Last updated : 2020-12-02 19:18:17

Feature Description

This API is used to get the detailed information of a specified shipping policy.

Request

Sample request

```
GET /shipper?shipper_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /shipper
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
shipper_id	string	query	Yes	ID of the shipper to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "shipper_id": "xxxx-xx-xx-xx-xxxxxxx",
```

```

"topic_id": "yyyy-yy-yy-yy-yyyyyyyyy",
"bucket": "test-1250000001",
"prefix": "test",
"shipper_name": "myname",
"interval": 300,
"max_size": 100,
"effective": true,
"partition": "%Y%m%d",
"compress": {
  "format": "none"
},
"content": {
  "format": "json"
},
"create_time": "2017-12-12 12:12:12"
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
shipper_id	string	Yes	Shipper ID
topic_id	string	Yes	Topic ID of shipping rule
bucket	string	Yes	Bucket address shipped to
prefix	string	Yes	Shipping prefix directory
shipper_name	string	Yes	Shipping rule name
interval	int	Yes	Shipping time interval in seconds
max_size	int	Yes	Maximum size of shipped file in MB
effective	bool	Yes	Whether it is effective
create_time	string	Yes	Creation time of shipped log
partition	string	Yes	Partition rule of shipped log, which can be represented in <code>strftime</code> time format
compress	object	Yes	Compression configuration of shipped log
content	object	Yes	Format configuration of shipped log content

`compress` is in the following format:

Field Name	Type	Required	Description
<code>format</code>	string	Yes	Compression format. <code>gzip</code> and <code>lzop</code> are supported, and <code>none</code> indicates no compression

`content` is in the following format:

Field Name	Type	Required	Description
<code>format</code>	string	Yes	Content format. Valid values: <code>json</code> , <code>csv</code>
<code>csv_info</code>	object	No	Returned when the content format is <code>csv</code>

`csv_info` is in the following format:

Field Name	Type	Required	Description
<code>print_key</code>	bool	Yes	Whether to print <code>key</code> on the first row of CSV file
<code>keys</code>	array(string)	Yes	Names of each keys
<code>delimiter</code>	string	Yes	Field delimiter
<code>escape_char</code>	string	Yes	Escape character used to enclose any field delimiter in field content
<code>non_existing_field</code>	string	Yes	Content used to populate non-existing fields

Error Codes

For more information, please see [Error Codes](#).

Getting Log Topic Shipping List

Last updated : 2020-12-02 19:16:17

Feature Description

This API is used to get the detailed list of shipping policies of a specified log topic.

Request

Sample request

```
GET /shippers?topic_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <Authorization String>
```

Request line

```
GET /shippers
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Topic ID to the shipper to be queried
offset	int	query	No	Query start position. Default value: 0
count	int	query	No	Number of entries to be queried. Default value: 50. Maximum value: 1000

Response

Sample response


```

HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "shippers": [
    {
      "shipper_id": "xxxx-xx-xx-xx-xxxxxxxx",
      "topic_id": "yyyy-yy-yy-yy-yyyyyyyy",
      "bucket": "test-1250000001",
      "prefix": "test",
      "shipper_name": "myname",
      "interval": 300,
      "max_size": 100,
      "effective": true,
      "partition": "%Y%m%d",
      "compress": {
        "format": "none"
      },
      "content": {
        "format": "json"
      },
      "create_time": "2017-12-12 12:12:12"
    }
  ]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
shippers	JsonArray	Yes	Shipping information array

`ShipperInfo` is in the following format:

Field Name	Type	Required	Description
shipper_id	string	Yes	Shipper ID
topic_id	string	Yes	Topic ID of shipping rule
bucket	string	Yes	Bucket address shipped to

prefix	string	Yes	Shipping prefix directory
shipper_name	string	Yes	Shipping rule name
interval	int	Yes	Shipping time interval in seconds
max_size	int	Yes	Maximum size of shipped file in MB
effective	bool	Yes	Whether it is effective
create_time	string	Yes	Creation time of shipped log
partition	string	Yes	Partition rule of shipped log, which can be represented in <code>strftime</code> time format
compress	object	Yes	Compression configuration of shipped log
content	object	Yes	Format configuration of shipped log content

`compress` is in the following format:

Field Name	Type	Required	Description
format	string	Yes	Compression format. gzip and lzop are supported, and <code>none</code> indicates no compression

`content` is in the following format:

Field Name	Type	Required	Description
format	string	Yes	Content format. Valid values: json, csv
csv_info	object	No	Returned when the content format is <code>csv</code>

`csv_info` is in the following format:

Field Name	Type	Required	Description
print_key	bool	Yes	Whether to print <code>key</code> on the first row of CSV file
keys	array(string)	Yes	Names of each keys
delimiter	string	Yes	Field delimiter

escape_char	string	Yes	Escape character used to enclose any field delimiter in field content
non_existing_field	string	Yes	Content used to populate non-existing fields

Error Codes

For more information, please see [Error Codes](#).

Getting Shipping Task List

Last updated : 2020-05-21 14:20:26

Feature Description

This API is used to get the shipping task information list.

Request

Sample request

```
GET /tasks?shipper_id=xx-xx-xx-xxxx&start_time=2017-10-10+00%3A00%3A00&end_time=2017-10-10+23%3A59%3A59 HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /tasks
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
shipper_id	string	query	Yes	ID of the shipping rule to be queried
start_time	string	query	Yes	Query start time, which can be within the last three days
end_time	string	query	Yes	Query end time

Response

Sample response

```

HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "tasks": [
    {
      "task_id": "xxxxx-xx-xx-xx",
      "shipper_id": "xxxxx-xx-xx-xx",
      "topic_id": "xxxxx-xx-xx-xx",
      "range_start": "2017-10-17 10:10:10",
      "range_end": "2017-10-17 10:10:10",
      "start_time": "2017-10-17 10:10:10",
      "end_time": "2017-10-17 10:10:10",
      "status": "success",
      "message": "success",
    }
  ]
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
tasks	JSONArray	Yes	Shipping task information array

`TaskInfo` is in the following format:

Field Name	Type	Required	Description
task_id	string	Yes	Shipping task ID
shipper_id	string	Yes	Shipping rule ID
topic_id	string	Yes	Log topic ID
range_start	string	Yes	Start time of the current batch of shipped logs
range_end	string	Yes	End time of the current batch of shipped logs
start_time	string	Yes	Start time of the current shipping task

Field Name	Type	Required	Description
end_time	string	Yes	End time of the current shipping task
status	string	Yes	Result of the current shipping task. Valid value: "success", "running", "failed", "wait"
message	string	Yes	Detailed result information

Error Codes

For more information, please see [Error Codes](#).

Modifying Shipping Task

Last updated : 2020-09-03 18:12:03

Feature

This API (ModifyShippingTask) is used to modify the existing shipping task. When using this API, you need to manually grant CLS the permission to write to the specified bucket.

Request sample

```
PUT /shipper HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{
  "shipper_id": "xxxx-xx-xx-xx-xxxxxxxx",
  "bucket": "test-1250000001",
  "prefix": "test",
  "shipper_name": "myname",
  "interval": 300,
  "max_size": 100,
  "effective": true,
  "partition": "%Y%m%d",
  "compress": {
    "format": "none"
  },
  "content": {
    "format": "json"
  }
}
```

Request line

```
PUT /shipper
```

Request headers

No special request header is used except for the common header.

Request parameters

Field Name	Type	Location	Required	Description
shipper_id	string	body	Yes	ID of the shipping task to be modified
bucket	string	body	No	New bucket for the shipping task. Format: {bucketName}-{appid}
prefix	string	body	No	Prefix of the new directory for the shipping task
shipper_name	string	body	No	Shipping rule name
interval	int	body	No	Shipping interval in seconds. Default: 300. Valid values: [300, 360, 420, 480, 540, 600, 660, 720, 780, 840, 900] (equal to integer minutes)
max_size	int	body	No	The maximum size of a file to be shipped (in MB). Default is 100 MB. Value range: 100-256
effective	bool	body	No	Indicates whether to enable the shipping task
partition	string	body	No	Rules for partitioning logs to be shipped. <code>Strftime</code> can be used to define the time format.
compress	object	body	No	Compression configuration of logs to be shipped
content	object	body	No	Format configuration of logs to be shipped

The `compress` format is as follows:

Field Name	Type	Required	Description
format	string	Yes	Compression format, including <code>gzip</code> , <code>lzop</code> and <code>none</code> (do not compress).

The `content` format is as follows:

Field Name	Type	Required	Description
------------	------	----------	-------------

format	string	Yes	Content format, which supports <code>json</code> and <code>csv</code> .
csv_info	object	No	Required when the content format is <code>csv</code>

csv_info is composed as follows:

Field Name	Type	Required	Description
print_key	bool	Yes	Indicates whether to write the first line of key to the csv file
keys	array(string)	Yes	Key name of each column
delimiter	string	Yes	The separator between fields
escape_char	string	Yes	Escape characters are used to enclose the separators contained in a field.
non_existing_field	string	Yes	It is used to populate the fields specified above that do not exist or are invalid.

At least one of the following fields should be provided: bucket, prefix, shipper_name, interval, max_size, effective, filter_rules, and compress.

Response

Response sample

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 0
```

Response headers

No special response header is used except for common response header.

Response parameters

None.

Error Codes

For more information, see [Error Codes](#).

Retrying Failed Task

Last updated : 2020-05-21 14:20:27

Feature Description

This API is used to retry a failed shipping task.

Request

Sample request

```
PUT /task HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{
  "shipper_id": "xxxxxx-xx-xx-xx-xxxxxxx",
  "task_id": "xxxxxx-xx-xx-xx-xyyyyyyy"
}
```

Request line

```
PUT /task
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
shipper_id	string	body	Yes	Shipping rule ID
task_id	string	body	Yes	Shipping task ID

Response

Sample response

```
HTTP/1.1 200 OK  
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Deleting Shipping Configuration

Last updated : 2020-05-21 14:20:27

Feature Description

This API is used to delete a shipping configuration.

Request

Sample request

```
DELETE /shipper?shipper_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
DELETE /shipper
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
shipper_id	string	query	Yes	ID of the shipping configuration to be deleted

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Server Group Management

Creating Server Group

Last updated : 2020-10-26 15:41:04

Feature Description

This API is used to create a [server group](#) and return its ID.

Request

Sample request

```
POST /machinegroup HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{
  "group_name": "testname",
  "type": "label",
  "labels": ["defined_label_1", "defined_label_2"]
}
```

Request line

```
POST /machinegroup
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
group_name	string	body	Yes	Server group name, which must be unique
type	string	body	No	Server group type. Valid values: ip and label. Default value: ip

ips	JSONArray	body	Yes	List of IPs in server group
labels	JSONArray	body	No	List of labels in the server group

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{"group_id": "xxxx-xx-xx-xx-xxxxxxxx"}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
group_id	string	Yes	Server group ID

Error Codes

For more information, please see [Error Codes](#).

Getting Server Group Information

Last updated : 2020-10-26 15:41:04

Feature Description

This API is used to get the server group information.

Request

Sample request

```
GET /machinegroup?group_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /machinegroup
```

Request header

There are only common response headers but no special response headers.

Request parameters

Field Name	Type	Location	Required	Description
group_id	string	query	Yes	ID of the group to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "group_id": "xxxx-xx-xx-xx-xxxxxxx",
```

```
"group_name": "testname",
"type": "label",
"labels": [
  "defined_label_1",
  "defined_label_2"
],
"create_time": "2017-08-08 12:12:12"
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
group_id	string	Yes	Server group ID
group_name	string	Yes	Server group name
type	string	Yes	Server group type
ips	JsonArray	No	List of IPs in the server group
labels	JsonArray	No	List of labels in the server group
create_time	string	No	Creation time

Note :

Depending on the `type` value, either or both of `ips` and `labels` are returned.

Error Codes

For more information, please see [Error Codes](#).

Getting Server Status

Last updated : 2020-05-21 14:20:27

Feature Description

This API is used to get the server status in a specified server group.

Request

Sample request

```
GET /machines?group_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /machines
```

Request header

There are only common response headers but no special response headers.

Request parameters

Field Name	Type	Location	Required	Description
group_id	string	query	Yes	ID of the group to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "machines": [
```

```
{ "ip": "10.10.10.10", "status": 0 },  
{ "ip": "10.10.10.11", "status": 1 }  
]  
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
machines	JSONArray	Yes	Server information array

`MachineInfo` is in the following format:

Field Name	Type	Required	Description
ip	string	Yes	Server IP
status	int	Yes	0: exceptional, 1: normal

Error Codes

For more information, please see [Error Codes](#).

Getting Server Group List

Last updated : 2020-05-21 14:20:28

Feature Description

This API is used to get the server group information list.

Request

Sample request

```
GET /machinegroups HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /machinegroups
```

Request header

There are only common request headers but no special request headers.

Request parameters

None.

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "machine_groups": [
    {
      "group_id": "xxxx-xx-xx-xx-xxxxxxxx",

```

```
"group_name": "testname",
"create_time": "2017-08-08 12:12:12"
}
]
]
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
machine_groups	JSONArray	Yes	Server group information array

`MachineGroupInfo` is in the following format:

Field Name	Type	Required	Description
group_id	string	Yes	Server group ID
group_name	string	Yes	Server group name
create_time	string	No	Creation time

Error Codes

For more information, please see [Error Codes](#).

Modifying Server Group

Last updated : 2020-10-26 15:41:04

Feature Description

This API is used to modify a server group.

Request

Sample request

```
PUT /machinegroup HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json
```

```
{
  "group_id": "xxxx-xx-xx-xx-xxxxxxx",
  "group_name": "testname",
  "type": "ip",
  "ips": ["10.10.10.10", "10.10.10.11"]
}
```

Request line

```
PUT /machinegroup
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
group_id	string	body	Yes	ID of the server group to be modified
group_name	string	body	No	Server group name, which must be unique
type	string	body	No	Server group type. Valid values: ip and label. Default value: ip

ips	JSONArray	body	No	List of IPs in server group
labels	JSONArray	body	No	List of labels in the server group

Either `group_name` , `ips` or `labels` must be provided.

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Deleting Server Group

Last updated : 2020-05-21 14:20:28

Feature Description

This API is used to delete a server group.

Request

Sample request

```
DELETE /machinegroup?group_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
DELETE /machinegroup
```

Request header

There are only common response headers but no special response headers.

Request parameters

Field Name	Type	Location	Required	Description
group_id	string	query	Yes	ID of the server group to be deleted

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Consumption Management

Creating Consumer Group

Last updated : 2020-05-21 14:20:29

Feature Description

This API is used to create a consumer group.

Request

Sample request

```
POST /consumergroup?topic_id=xxxx-xx-xx-xx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Content-Type: application/json
Authorization: <AuthorizationString>

{"consumer_group": "cls_demo_consumer_group", "timeout": 3600, "order": false}
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	ID of the log topic under which to create consumer group
consumer_group	string	body	Yes	Consumer group name which can contain 1-255 characters (allowed characters: a-z, A-Z, 0-9, _, -)
timeout	int	body	Yes	Consumer group timeout period in seconds. If no heartbeat is received in <code>timeout</code> seconds, the system will delete the consumer group

Field Name	Type	Location	Required	Description
order	bool	body	Yes	This configuration item will affect the consumption behavior when topic partitions are split/merged: <ul style="list-style-type: none">• true: consume in sequence• false: consume out of sequence

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Getting Consumption Cursor

Last updated : 2020-05-21 14:20:29

Feature Description

This API is used to get the cursor of the corresponding topic partition based on time, which is used to get the log data on the corresponding topic partition.

Request

Sample request

```
GET /cursor?topic_id=xxxxxxxx-xxxx-xxxx-xxxx&partition_id=1&from=end HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Parameter Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID
partition_id	int	query	Yes	Topic partition number
from	string	query	Yes	<code>from</code> is used to identify the start time of real-time consumption, which supports three types: 1. "UNIX timestamp (seconds)", which indicates to consume the logs starting at the specified UNIX time 2. "start", which indicates to consume logs starting at the start time of the topic partition lifecycle 3. "end", which indicates to consume logs starting at the end time of the topic partition lifecycle (current time)

Topic partition lifecycle description

The data lifecycle of a topic partition is set by the CLS backend and is no less than 1 day (the lifecycle of topic partition data varies by log topic).

For example, if the current time is 2019-10-10 12:00:00, the time range (based on the server time) in which data in each topic partition can be consumed is: [2019-10-09 12:00:00, 2019-10-10 12:00:00).

`from` can be used to locate the starting position of real-time consumption in the topic partition. If the lifecycle of the topic partition is [start_time, end_time), then:

- When `from` (UNIX timestamp) \leq `start_time` or `from` = "start", the time point returned by the API will be the cursor position corresponding to `start_time`.
- When `from` (UNIX timestamp) \geq `end_time` or `from` = "end", the API will return the next cursor position to be written at the current time point (there is no data at this cursor position currently).
- When `from` (UNIX timestamp) $>$ `start_time` and `from` (UNIX timestamp) $<$ `end_time`, the API will return the cursor position corresponding to the first data packet received by the server at a time after or at `from` (UNIX timestamp).

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 23

{"cursor": "MTQ0NzI5OTYwNjg5NjYzMjM1Ng=="}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
cursor	string	Yes	Returned cursor value

Error Codes

For more information, please see [Error Codes](#).

Getting Consumer Group Cursor

Last updated : 2020-05-21 14:20:29

Feature Description

This API is used to get a consumer group cursor.

Request

Sample request

```
GET /consumergroupcursor?topic_id=xxx-xx-xx-xx-xxxx&consumer_group=cls_demo_consumer_group&partition_id=1 HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of consumer group
consumer_group	string	query	Yes	Consumer group name
partition_id	int	query	No	Topic partition number (if this parameter is not specified, cursors of all partitions under the topic will be returned)

Response

Sample response

Response packet if `partition_id` is not specified:

```
HTTP/1.1 200 OK
Content-Type: application/json
```


Content-Length: 123

```
{
  "cursors":[
    {
      "consumer_id":"cls-demo_consumer_id",
      "cursor":"FAjUjMtmELBovQRogYkBuq",
      "partition_id":1,
      "update_time":1573645058
    },
    {
      "consumer_id":"cls-demo_consumer_id",
      "cursor":"FAjUjMtmELBovQRogYkBuqg",
      "partition_id":2,
      "update_time":1573645058
    }
  ]
}
```

Response packet if `partition_id` is specified:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123
```

```
{
  "consumer_id":"cls-demo_consumer_id",
  "cursor":"FAjUjMtmELBovQRog",
  "partition_id":1,
  "update_time":1573645058
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
partition_id	string	Yes	Topic partition number
cursor	string	Yes	Cursor value
update_time	long long	Yes	Cursor update time
consumer_id	string	Yes	Consumer ID assigned to this partition

Error Codes

For more information, please see [Error Codes](#).

Consumption Data

Last updated : 2020-05-21 14:20:29

Feature Description

This API is used to consume the read logs. It gets the log data on the corresponding topic partition based on `cursor` and `count` .

Request

Sample request

```
GET /pulllogs?topic_id=xxxxxxxx-xxxx-xxxx-xxxx&partition_id=1&cursor=xxxxxxxx&count=10 HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Parameter Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID
partition_id	int	query	Yes	Consumed topic partition number
cursor	string	query	Yes	Base64-encoded cursor value, which indicates to read data from the current position
count	int	query	Yes	Number of <code>LogGroup</code> consumed at a time, which can be up to 1,000 (one <code>LogGroup</code> contains multiple logs. For the <code>LogGroup</code> definition, please see Uploading Structured Logs)

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/x-protobuf
Content-Length: 23
x-cls-cursor: xxxxxx
x-cls-count: 10

<Packaged content of `LogGroupList` in pb format>
```

Response header

Header Name	Description
x-cls-cursor	Base64-encoded cursor value, which indicates to read data from the current position next time and is used for continued consumption
x-cls-count	Number of <code>LogGroup</code> returned in the current request (one <code>LogGroup</code> contains multiple logs. For the <code>LogGroup</code> definition, please see Uploading Structured Logs)

Response parameters

The packaged content of the `LogGroupList` object is returned. For the pb file description, please see [Uploading Structured Logs](#).

Error Codes

For more information, please see [Error Codes](#).

Consumer Heartbeat

Last updated : 2020-11-06 11:24:39

Feature Description

This API is used to upload consumer heartbeats.

Request

Sample request

```
POST /consumerheartbeat?topic_id=xxxx-xx-xx-xx-xxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Content-Type: application/json
Authorization: <AuthorizationString>

{"consumer_group": "cls_demo_consumer_group", "consumer_id": "consumer_id", "partition_id_list": []}
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of consumer group
consumer_group	string	body	Yes	Consumer group name
consumer_id	string	body	Yes	Consumer name
partition_id_list	array	body	Yes	List of partitions consumed by consumer

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123
```

```
{
  "partition_id_list":[
    4,
    5
  ]
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
partition_id_list	array	Yes	List of partitions consumable by consumer

Error Codes

For more information, please see [Error Codes](#).

Getting Consumer Group List

Last updated : 2020-05-21 14:20:30

Feature Description

This API is used to get the consumer group list of a log topic.

Request

Sample request

```
GET /consumergroups?topic_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	ID of the log topic to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123

{
  "consumer_groups": [
    {
      "consumer_group": "cls-demo_consumer_group",
      "order": true,
      "timeout": 3600
    }
  ]
}
```

```
}  
]  
}
```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
consumer_group	string	Yes	Consumer group name
timeout	int	Yes	Consumer group timeout period. If no heartbeat is received in <code>timeout</code> seconds, the system will delete the consumer group
order	bool	Yes	Whether to consume sequentially

Error Codes

For more information, please see [Error Codes](#).

Modifying Consumer Group

Last updated : 2020-05-21 14:20:30

Feature Description

This API is used to modify a consumer group.

Request

Sample request

```
PUT /consumergroup?topic_id=xxxx-xx-xx-xx-xxxxxxx&consumer_group=xxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Content-Type: application/json
Authorization: <AuthorizationString>

{"timeout": 3600, "order": true}
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of consumer group
consumer_group	string	query	Yes	Consumer group name
timeout	int	body	No	Consumer group timeout period. If no heartbeat is received in <code>timeout</code> seconds, the system will delete the consumer group
order	bool	body	No	Whether to consume sequentially

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Modifying Consumer Group Cursor

Last updated : 2020-05-21 14:20:30

Feature Description

This API is used to update a consumer group cursor.

Request

Sample request

```
PUT /consumergroupcursor?topic_id=xxxx-xx-xx-xx-xxxx&consumer_group=cls_demo_consumer_group&partition_id=1 HTTP/1.1
Host: <Region>.cls.tencentyun.com
Content-Type: application/json
Authorization: <AuthorizationString>

{"consumer_id": "cls_demo_consumer_1", "cursor": "FAjUjMtmELBo"}
```

Request line

```
PUT /consumergroupcursor
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of consumer group
consumer_group	string	query	Yes	Consumer group name
partition_id	int	query	Yes	Topic partition number
consumer_id	string	body	No	Consumer group name
cursor	string	body	Yes	Cursor value

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 123
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Deleting Consumer Group

Last updated : 2020-05-21 14:20:31

Feature Description

This API is used to delete a consumer group.

Request

Sample request

```
DELETE /consumergroup?topic_id=xxxx-xx-xx-xx-xxxx&consumer_group=cls_demo_consumer_group HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Log topic ID of consumer group
consumer_group	string	query	Yes	Consumer group name

Response

Sample response

```
HTTP/1.1 200 OK
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Index Management

Getting Index Information

Last updated : 2020-05-21 14:20:31

Feature Description

This API is used to get the detailed information of a specified index policy.

Request

Sample request

```
GET /index?topic_id=xxxx-xx-xx-xx-xxxxxxx HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
```

Request line

```
GET /index
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	query	Yes	Topic ID of the index to be queried

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 153
```

```

{
  "topic_id": "yyyy-yy-yy-yy-yyyyyyyy",
  "effective": true,
  "rule": {
    "full_text": {
      "case_sensitive": false
    },
    "key_value": {
      "case_sensitive": false,
      "keys": ["age", "name"],
      "types": ["long", "text"]
    }
  }
}

```

Response header

There are only common response headers but no special response headers.

Response parameters

Field Name	Type	Required	Description
topic_id	string	Yes	Topic ID of index rule
effective	bool	Yes	Whether it is effective
rule	object	No	Index rule, which will be returned if <code>effective</code> is <code>true</code>

`rule` content description:

Field Name	Type	Required	Description
full_text	object	No	Full-text index configuration
key_value	object	No	KV index configuration

`full_text` content description:

Field Name	Type	Required	Description
case_sensitive	bool	Yes	Case sensitivity

`key_value` content description:

Field Name	Type	Required	Description
case_sensitive	bool	Yes	Case sensitivity
keys	array(string)	Yes	Names of the keys to be indexed
types	array(string)	Yes	Types of above keys (in one-to-one correspondence). Currently, <code>long double text</code> is supported

Error Codes

For more information, please see [Error Codes](#).

Modifying Index Task

Last updated : 2020-05-21 14:20:31

Feature Description

This API is used to modify an existing index task.

Request

Sample request

```
PUT /index HTTP/1.1
Host: <Region>.cls.tencentyun.com
Authorization: <AuthorizationString>
Content-Type: application/json

{
  "topic_id": "xxxx-xx-xx-xx-xxxxxxx",
  "effective": true,
  "rule": {
    "full_text": {
      "case_sensitive": false,
      "tokenizer": "{&%}"
    },
    "key_value": {
      "case_sensitive": false,
      "keys": ["age", "name"],
      "types": ["long", "text"],
      "tokenizers": ["", "-"]
    }
  }
}
```

Request line

```
PUT /index
```

Request header

There are only common request headers but no special request headers.

Request parameters

Field Name	Type	Location	Required	Description
topic_id	string	body	Yes	Topic ID of the index to be modified
effective	bool	body	Yes	Index status switch
rule	object	body	No	Index rule, which is required if <code>effective</code> is <code>true</code>

`rule` content description:

Field Name	Type	Required	Description
full_text	object	No	Full-text index configuration
key_value	object	No	KV index configuration

When setting `rule`, you must set at least one parameter out of `full_text` and `key_value`.

`full_text` content description:

Field Name	Type	Required	Description
case_sensitive	bool	Yes	Case sensitivity
tokenizer	string	No	Tokenizer for full-text index, which cannot be empty. You are recommended to select one out of <code>@#%^&*()-_="'</code> , <code><>/? ¥;:¥n¥t¥r[[]{}</code>

`key_value` content description:

Field Name	Type	Required	Description
case_sensitive	bool	Yes	Case sensitivity
keys	array(string)	Yes	Names of the keys to be indexed
types	array(string)	Yes	Types of the keys to be indexed (in one-to-one correspondence). Currently, <code>long double text</code> is supported

Field Name	Type	Required	Description
tokenizers	array(string)	No	Tokenizers corresponding to the above keys (in one-to-one correspondence). This parameter is only required for the <code>text</code> type and is an empty string for other types

Response

Sample response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 0
```

Response header

There are only common response headers but no special response headers.

Response parameters

None.

Error Codes

For more information, please see [Error Codes](#).

Error Codes

Last updated : 2020-08-13 17:49:46

Feature

This document describes the error code and corresponding error message returned when a request fails. You can determine the problem based on the HTTP `Status Code` and `Body`. The format of `Body` is as follows:

```
{
  "errorcode" : "<ErrorCode>",
  "errormessage" : "<ErrorMessage>"
}
```

Error Code List

HTTP Status Code	Error Code	Error Message
400	InvalidAuthorization	Invalid signature string format
400	InvalidCompressType	The specified <code>x-cls-compress-type</code> is not supported
400	InvalidContent	Message body error due to decompression or parse failure
400	InvalidContentType	The specified <code>Content-Type</code> is not supported
400	InvalidParam	Required parameter is missing or invalid
400	MissingAgentIp	Missing <code>x-cls-agent-ip</code>
400	MissingAgentVersion	Missing <code>x-cls-agent-version</code>
400	MissingAuthorization	Missing <code>Authorization</code>
400	MissingContent	Empty message body

HTTP Status Code	Error Code	Error Message
400	MissingContentType	Missing <code>Content-Type</code>
400	TopicClosed	The collection feature has been disabled for the specified log topic
400	IndexRuleEmpty	The specified log topic has no index rule configured
400	LogsetNotEmpty	The specified logset is not empty and contains log topics
400	SyntaxError	Search syntax error
400	LogsetEmpty	The specified log topic is empty and contains no log topics
401	AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that there should be no space before or after the key.
401	AuthFailure.SignatureFailure	Incorrect signature due to errors in signature calculation. Check the signature calculation process against the calling method documentation
401	AuthFailure.SignatureExpire	Expired signature
401	AuthFailure.MFAFailure	MFA error
401	AuthFailure.UnauthorizedOperation	Unauthorized request. For more information about the authentication, see the CAM documentation
401	AuthFailure.InvalidSecretId	Invalid key (it is not a TencentCloud API key)
401	AuthFailure.TokenFailure	token error
401	AuthFailure.Unauthorized	Internal authentication error
403	LogsetExceed	The number of logsets exceeds the upper limit. Up to 20 logsets are supported

HTTP Status Code	Error Code	Error Message
403	LogSizeExceed	The size of the submitted logs exceeds the upper limit. The maximum size supported is 5 MB
403	MachineGroupExceed	The number of server groups exceeds the upper limit. Up to 200 server groups are supported
403	NotAllowed	This operation is not allowed
403	TopicExceed	The number of log topics exceeds the upper limit. Up to 10 log topics are supported
403	ShipperExceed	The number of shipping rules exceeds the upper limit. Up to 10 shipping rules are supported
403	TaskReadOnly	Only failed shipping tasks can be restarted. Tasks in other statuses cannot be modified
403	AccountArrears	The account is in arrears
403	ServiceNotActivated	The CLS service is not activated
404	CursorNotExist	There are no downloadable logs in the specified location
404	TaskNotExist	The specified shipping task does not exist
404	IndexNotExist	The specified index rule does not exist
404	LogsetNotExist	The specified logset does not exist
404	MachineGroupNotExist	The specified server group does not exist
404	ShipperNotExist	The specified shipping rule does not exist
404	TopicNotExist	The specified log topic does not exist
404	ConsumerNotExist	The specified log topic has no consumption task
405	NotSupported	Unsupported operation

HTTP Status Code	Error Code	Error Message
409	IndexConflict	The same index rule already exists
409	LogsetConflict	The same logset already exists
409	MachineGroupConflict	The same server group already exists
409	ShipperConflict	The same shipping rule already exists
409	TopicConflict	The same log topic already exists
409	ConsumerConflict	The consumption task of the log topic already exists
429	SpeedQuotaExceed	Requests are sent too frequently
500	InternalServerError	Internal error