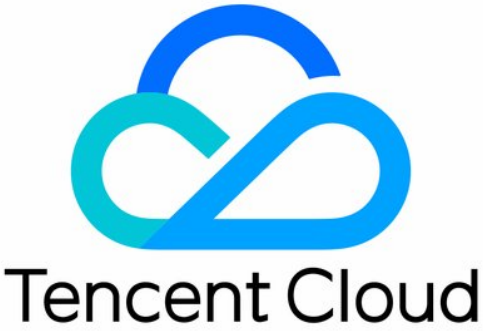
Cloud Log Service

API Documentation

Product Documentation



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Contents

API Documentation
- History
- Introduction
- API Category
- Making API Requests
  - Request Structure
  - Common Params
  - Signature v3
  - Signature
  - Responses
- Topic Management APIs
  - DeleteTopic
  - DescribeTopics
  - CreateTopic
  - ModifyTopic
- Log Set Management APIs
  - CreateLogset
  - DeleteLogset
  - ModifyLogset
  - DescribeLogsets
- Index APIs
  - CreateIndex
  - DeleteIndex
  - ModifyIndex
  - DescribeIndex
- Topic Partition APIs
  - DescribePartitions
  - SplitPartition
  - MergePartition
- Machine Group APIs
  - CreateMachineGroup
  - DeleteMachineGroup
  - ModifyMachineGroup
  - DescribeMachineGroups
  - DescribeMachines

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AddMachineGroupInfo
DeleteMachineGroupInfo
Collection Configuration APIs
CreateConfig
DeleteConfig
ModifyConfig
DescribeConfigs
ApplyConfigToMachineGroup
DeleteConfigFromMachineGroup
DescribeConfigMachineGroups
DescribeMachineGroupConfigs
Log APIs
SearchLog
DescribeLogHistogram
DescribeLogContext
UploadLog
CreateExport
DeleteExport
DescribeExports
Metric APIs
QueryMetric
QueryRangeMetric
Alarm Policy APIs
CreateAlarm
DeleteAlarm
ModifyAlarm
DescribeAlarms
CreateAlarmNotice
ModifyAlarmShield
DeleteAlarmShield
CreateAlarmShield
DeleteAlarmNotice
ModifyAlarmNotice
DescribeAlarmNotices
DescribeAlertRecordHistory
GetAlarmLog
DescribeAlarmShields
Data Processing APIs

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DeleteDataTransform
CheckFunction
CreateDataTransform
DescribeDataTransformInfo
ModifyDataTransform
Kafka Protocol Consumption APIs
CloseKafkaConsumer
ModifyKafkaConsumer
OpenKafkaConsumer
DescribeKafkaConsumer
CKafka Shipping Task APIs
CreateConsumer
DeleteConsumer
ModifyConsumer
DescribeConsumer
Kafka Data Subscription APIs
DescribeKafkaRecharges
CreateKafkaRecharge
ModifyKafkaRecharge
DeleteKafkaRecharge
PreviewKafkaRecharge
CheckRechargeKafkaServer
COS Shipping Task APIs
CreateShipper
DeleteShipper
DescribeShipperTasks
DescribeShippers
ModifyShipper
RetryShipperTask
SCF Delivery Task APIs
CreateDeliverCloudFunction
Scheduled SQL Analysis APIs
DeleteScheduledSql
DescribeScheduledSqlInfo
CreateScheduledSql
ModifyScheduledSql
COS Data Import Task APIs
SearchCosRechargeInfo

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CreateCosRecharge
ModifyCosRecharge
DescribeCosRecharges
Data Types
Error Codes

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API Documentation History

Last updated：2024-04-10 11:05:00

Release 22

Release time: 2024-04-10 11:03:49

Release updates:

Improvement to existing documentation.

New APIs:

- CheckFunction
- CreateAlarmShield
- CreateDeliverCloudFunction
- CreateScheduledSql
- DeleteAlarmShield
- DeleteScheduledSql
- DescribeAlarmShields
- DescribeKafkaConsumer
- DescribeScheduledSqlInfo
- ModifyAlarmShield
- ModifyKafkaConsumer
- ModifyScheduledSql
- QueryMetric
- QueryRangeMetric
- SearchCosRechargeInfo

Modified APIs:

- CreateAlarm
  - New input parameters:AlarmLevel, MultiConditions, Enable, GroupTriggerStatus, GroupTriggerCondition, Tags, MonitorObjectType, Classifications
  - **Modified input parameters:** Condition
- CreateAlarmNotice
  - New input parameters:NoticeRules

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  - **Modified input parameters:** Type
- CreateExport
  - New input parameters:SyntaxRule
- CreateKafkaRecharge
  - **Modified input parameters:** LogRechargeRule
- CreateMachineGroup
  - New input parameters:DelayCleanupTime, OSType
- CreateShipper
  - New input parameters:StorageType
- ModifyAlarm
  - New input parameters:AlarmLevel, MultiConditions, Enable, GroupTriggerStatus, GroupTriggerCondition, Tags, MonitorObjectType, Classifications
- ModifyAlarmNotice
  - New input parameters:NoticeRules
- ModifyConfig
  - New input parameters:AdvancedConfig
- ModifyDataTransform
  - New input parameters:HasServicesLog
- ModifyMachineGroup
  - New input parameters:DelayCleanupTime
- ModifyShipper
  - New input parameters:StorageType
- SearchLog
  - New output parameters:Topics

New data structures:

- AlarmClassification
- AlarmShieldInfo
- EventLog
- HighLightItem
- MetricLabel
- MultiCondition
- NoticeRule
- ScheduledSqlResouceInfo
- ScheduledSqlTaskInfo
- SearchLogErrors
- SearchLogInfos

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- SearchLogTopics

Modified data structures:

- AlarmInfo
  - New members:GroupTriggerStatus, GroupTriggerCondition, MonitorObjectType, AlarmLevel, MultiConditions
- AlarmNotice
  - New members:NoticeRules
- ConfigInfo
  - New members:AdvancedConfig
- ConsumerContent
  - New members:JsonType
- ExportInfo
  - New members:SyntaxRule
- ExtractRuleInfo
  - New members:EventLogRules
- LogContextInfo
  - New members:HighLights
  - **Modified members:** RawLog, IndexStatus
- MachineGroupInfo
  - New members:DelayCleanupTime, OSType
  - **Modified members:** MetaTags
- MachineInfo
  - New members:InstanceID
- ShipperInfo
  - New members:StorageType
- TopicInfo
  - New members:BizType, IsWebTracking

Release 21

Release time: 2023-07-20 17:12:04

Release updates:

Improvement to existing documentation.

New APIs:

- CheckRechargeKafkaServer

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- CreateDataTransform
- CreateKafkaRecharge
- DeleteDataTransform
- DeleteKafkaRecharge
- DescribeDataTransformInfo
- DescribeKafkaRecharges
- ModifyDataTransform
- ModifyKafkaRecharge
- PreviewKafkaRecharge

Modified APIs:

- CreateConfig
  - New input parameters:AdvancedConfig
- DescribeTopics
  - New input parameters:PreciseSearch, BizType
- OpenKafkaConsumer
  - New input parameters:ConsumerContent
- SearchLog
  - New input parameters:Topics

New data structures:

- DataTransformResouceInfo
- DataTransformTaskInfo
- KafkaConsumerContent
- KafkaProtocolInfo
- KafkaRechargeInfo
- LogRechargeRuleInfo
- MultiTopicSearchInformation
- PreviewLogStatistic

Release 20

Release time: 2023-07-06 11:13:07

Release updates:

Improvement to existing documentation.

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Modified APIs:

- CreateCosRecharge
  - New output parameters:Id
- CreateMachineGroup
  - New input parameters:MetaTags
- CreateShipper
  - New input parameters:StartTime, EndTime
- DescribeLogHistogram
  - New input parameters:SyntaxRule
  - **Modified input parameters:** TopicId
- ModifyMachineGroup
  - New input parameters:MetaTags

New data structures:

- MetaTagInfo

Modified data structures:

- AlarmTarget
  - New members:SyntaxRule
- ExtractRuleInfo
  - New members:MetadataType, PathRegex, MetaTags
- JsonInfo
  - New members:JsonType
- MachineGroupInfo
  - New members:MetaTags
- ShipperInfo
  - New members:StartTime, EndTime, Progress, RemainTime, HistoryStatus

Release 19

Release time: 2023-04-27 15:22:32

Release updates:

Improvement to existing documentation.

New APIs:

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- DescribeAlertRecordHistory

New data structures:

- AlertHistoryNotice
- AlertHistoryRecord
- GroupTriggerConditionInfo

Release 18

Release time: 2023-04-27 10:34:24

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateTopic
  - New input parameters:Describes, HotPeriod, IsWebTracking
- ModifyTopic
  - New input parameters:Describes, HotPeriod, IsWebTracking
- SearchLog
  - New output parameters:SamplingRate

New data structures:

- DynamicIndex

Modified data structures:

- RuleInfo
  - New members:DynamicIndex

Release 17

Release time: 2023-04-04 17:22:31

Release updates:

Improvement to existing documentation.

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Modified APIs:

- SearchLog
  - New input parameters:SyntaxRule

Modified data structures:

- LogContextInfo
  - New members:RawLog, IndexStatus
- LogInfo
  - New members:RawLog, IndexStatus

Release 16

Release time: 2023-03-24 10:24:20

Release updates:

Improvement to existing documentation.

New APIs:

- CreateCosRecharge
- DescribeCosRecharges
- ModifyCosRecharge

New data structures:

- CosRechargeInfo

Modified data structures:

- TopicInfo
  - New members:HotPeriod

Release 15

Release time: 2023-03-17 16:47:32

Release updates:

Improvement to existing documentation.

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Modified APIs:

- SearchLog
  - **Modified input parameters:** TopicId

Release 14

Release time: 2023-01-04 11:18:30

Release updates:

Improvement to existing documentation.

New APIs:

- AddMachineGroupInfo
- DeleteMachineGroupInfo

Release 13

Release time: 2022-12-16 10:28:52

Release updates:

Improvement to existing documentation.

Modified APIs:

- SearchLog
  - New input parameters:SamplingRate

Modified data structures:

- ConfigInfo
  - New members:Name
- LogsetInfo
  - New members:AssumerName
- TopicInfo
  - New members:AssumerName, SubAssumerName, Describes

Release 12

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Release time: 2022-10-11 11:30:57

Release updates:

Improvement to existing documentation.

Modified data structures:

- ExtractRuleInfo
  - New members:Protocol, Address, ParseProtocol

Release 11

Release time: 2022-09-16 15:29:57

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateShipper
  - New input parameters:FilenameMode
- ModifyShipper
  - New input parameters:FilenameMode
- OpenKafkaConsumer
  - New input parameters:Compression

Release 10

Release time: 2022-08-26 11:10:48

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateConsumer
  - New input parameters:Compression
- DescribeConsumer
  - New output parameters:Compression
- ModifyConsumer

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- New input parameters:Compression

Release 9

Release time: 2022-08-23 15:17:06

Release updates:

Improvement to existing documentation.

Modified data structures:

- ShipperInfo
  - New members:FilenameMode

Release 8

Release time: 2022-08-01 16:02:52

Release updates:

Improvement to existing documentation.

New data structures:

- AlarmAnalysisConfig

Modified data structures:

- AnalysisDimensional
  - New members:ConfigInfo
- ExtractRuleInfo
  - New members:IsGBK, JsonStandard

Release 7

Release time: 2022-06-24 15:33:14

Release updates:

Improvement to existing documentation.

Modified data structures:

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- ConsumerContent
  - New members:TimestampAccuracy

Release 6

Release time: 2022-05-19 16:58:46

Release updates:

Improvement to existing documentation.

New data structures:

- ParquetInfo
- ParquetKeyInfo

Modified data structures:

- ContentInfo
  - New members:Parquet

Release 5

Release time: 2022-05-05 14:34:47

Release updates:

Improvement to existing documentation.

New APIs:

- CloseKafkaConsumer
- CreateShipper
- ModifyTopic
- OpenKafkaConsumer

Modified APIs:

- CreateIndex
  - New input parameters:IncludeInternalFields, MetadataFlag
- DescribeIndex
  - New output parameters:IncludeInternalFields, MetadataFlag

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Modified data structures:

- LogContextInfo
  - New members:HostName
- LogInfo
  - New members:HostName

Release 4

Release time: 2022-04-20 10:50:07

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeLogHistogram

Deleted APIs:

- CreateAsyncContextTask
- CreateAsyncSearchTask
- CreateShipper
- DeleteAsyncContextTask
- DeleteAsyncSearchTask
- DescribeAsyncContextResult
- DescribeAsyncContextTasks
- DescribeAsyncSearchResult
- DescribeAsyncSearchTasks
- ModifyTopic

Modified APIs:

- ModifyIndex
  - New input parameters:IncludeInternalFields, MetadataFlag

New data structures:

- HistogramInfo

Deleted data structures:

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- AsyncContextTask
- AsyncSearchTask

Modified data structures:

- ConsumerContent
  - New members:TagJsonNotTiled

Release 3

Release time: 2022-01-04 11:24:09

Release updates:

Improvement to existing documentation.

New APIs:

- CreateConsumer
- DeleteConsumer
- DescribeConsumer
- ModifyConsumer

New data structures:

- Ckafka
- ConsumerContent

Release 2

Release time: 2021-11-30 16:21:14

Release updates:

Improvement to existing documentation.

Modified APIs:

- UploadLog
  - New input parameters:TopicId, HashKey, CompressType

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Release 1

Release time: 2021-10-29 15:47:37

Release updates:

Improvement to existing documentation.

New APIs:

- ApplyConfigToMachineGroup
- CreateAlarm
- CreateAlarmNotice
- CreateAsyncContextTask
- CreateAsyncSearchTask
- CreateConfig
- CreateExport
- CreateIndex
- CreateLogset
- CreateMachineGroup
- CreateShipper
- CreateTopic
- DeleteAlarm
- DeleteAlarmNotice
- DeleteAsyncContextTask
- DeleteAsyncSearchTask
- DeleteConfig
- DeleteConfigFromMachineGroup
- DeleteExport
- DeleteIndex
- DeleteLogset
- DeleteMachineGroup
- DeleteShipper
- DeleteTopic
- DescribeAlarmNotices
- DescribeAlarms
- DescribeAsyncContextResult
- DescribeAsyncContextTasks
- DescribeAsyncSearchResult
- DescribeAsyncSearchTasks

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- DescribeConfigMachineGroups
- DescribeConfigs
- DescribeExports
- DescribeIndex
- DescribeLogContext
- DescribeLogsets
- DescribeMachineGroupConfigs
- DescribeMachineGroups
- DescribeMachines
- DescribePartitions
- DescribeShipperTasks
- DescribeShippers
- DescribeTopics
- GetAlarmLog
- MergePartition
- ModifyAlarm
- ModifyAlarmNotice
- ModifyConfig
- ModifyIndex
- ModifyLogset
- ModifyMachineGroup
- ModifyShipper
- ModifyTopic
- RetryShipperTask
- SearchLog
- SplitPartition
- UploadLog

New data structures:

- AlarmInfo
- AlarmNotice
- AlarmTarget
- AlarmTargetInfo
- AnalysisDimensional
- AsyncContextTask
- AsyncSearchTask
- CallBackInfo

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- Column
- CompressInfo
- ConfigInfo
- ContentInfo
- CsvInfo
- ExcludePathInfo
- ExportInfo
- ExtractRuleInfo
- Filter
- FilterRuleInfo
- FullTextInfo
- JsonInfo
- KeyRegexInfo
- KeyValueInfo
- LogContextInfo
- LogInfo
- LogItem
- LogItems
- LogsetInfo
- MachineGroupInfo
- MachineGroupTypeInfo
- MachineInfo
- MonitorTime
- NoticeReceiver
- PartitionInfo
- RuleInfo
- RuleKeyValueInfo
- RuleTagInfo
- ShipperInfo
- ShipperTaskInfo
- Tag
- TopicInfo
- ValueInfo
- WebCallback

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Introduction

Last updated：2024-04-10 11:04:54

Welcome to Tencent Cloud Cloud Log Service (CLS).

CLS is a one-stop logging solution. You can stop worrying about scaling or other resource issues and access CLS within just five minutes. CLS offers comprehensive, stable, and reliable log services for collecting, storing, searching, and analyzing logs, helping you identify business issues, monitor metrics, ensure security, and simplify operations, thereby improving the Ops and operation efficiency and making full use of data.

You can use the APIs described in this document to create log topics, report or search logs, and perform other operations on CLS. Before using these APIs, see Cloud Log Service Overview and Billing Overview to learn about CLS billable items and their prices.

Notes:

- All CLS APIs described in this document have been upgraded to API 3.0 and all new CLS features will be updated here. We recommend you use API 3.0.
- Legacy APIs remain available, but will not be updated. For more information about legacy APIs, see CLS API (Legacy) Overview

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API Category

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Topic Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteTopic	Deletes a log topic	20
DescribeTopics	Gets the list of log topics	50
CreateTopic	Creates a log topic	100
ModifyTopic	Modifies a log topic	20

Log Set Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateLogset	Creates a logset	20
DeleteLogset	Deletes a logset	20
ModifyLogset	Modifies a logset	20
DescribeLogsets	Gets the list of logsets	100

Index APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateIndex	Creates an index	20
DeleteIndex	Deletes index configuration	20
ModifyIndex	Modifies index	20
DescribeIndex	Gets index configuration information	20

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Topic Partition APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribePartitions	Gets the list of partitions	20
SplitPartition	Splits a topic partition	20
MergePartition	Merges partitions	20

Machine Group APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateMachineGroup	Creates a machine group	20
DeleteMachineGroup	Deletes a machine group	20
ModifyMachineGroup	Modifies a machine group	20
DescribeMachineGroups	Gets the list of machine groups	20
DescribeMachines	Gets machine status	20
AddMachineGroupInfo	Adds machine group information	20
DeleteMachineGroupInfo	Deletes machine group information	20

Collection Configuration APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateConfig	Creates collection rule configuration	30
DeleteConfig	Deletes collection rule configuration	20
ModifyConfig	Modifies collection rule configuration	20
DescribeConfigs	Gets collection rule configuration	20

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ApplyConfigToMachineGroup	Applies collection configuration to a specified machine group	20
DeleteConfigFromMachineGroup	Deletes collection configuration applied to a machine group	20
DescribeConfigMachineGroups	Gets the machine group bound to collection rule configuration	1000
DescribeMachineGroupConfigs	Gets collection rule configuration bound to a machine group	20

Log APIs

API Name	Feature	Frequency Limit (maximum requests per second)
SearchLog	Searches and analyzes logs	10000
DescribeLogHistogram	Gets a log count histogram	10000
DescribeLogContext	Searches in context	20
UploadLog	Uploads logs	100000
CreateExport	Creates a log download task	20
DeleteExport	Deletes a log download task	20
DescribeExports	Gets the list of log download tasks	20

Metric APIs

API Name	Feature	Frequency Limit (maximum requests per second)
QueryMetric	Queries a metric (latest value query)	20
QueryRangeMetric	Queries metrics (range query)	20

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Alarm Policy APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateAlarm	Creates alarm policy	20
DeleteAlarm	Deletes an alarm policy	20
ModifyAlarm	Modifies an alarm policy	20
DescribeAlarms	Gets the list of alarm policies	30
CreateAlarmNotice	Creates a notification group	20
CreateAlarmShield	Creates an alarm blocking rule	20
DeleteAlarmShield	Deletes an alarm blocking rule	20
ModifyAlarmShield	Modifies alarm blocking rules	20
DeleteAlarmNotice	Deletes a notification group	20
ModifyAlarmNotice	Modifies a notification group	20
DescribeAlarmNotices	Gets the notification group list	20
DescribeAlertRecordHistory	Gets alarm records	40
GetAlarmLog	Accesses alarm policy execution details	30
DescribeAlarmShields	Accesses alarm blocking configuration rules	20

Data Processing APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteDataTransform	Deletes a data processing task	20
CheckFunction	Verifies the syntax	20
CreateDataTransform	Creates a data processing task	20

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DescribeDataTransformInfo	Gets the basic information of data processing tasks	20
ModifyDataTransform	Modifies a data processing task	20

Kafka Protocol Consumption APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CloseKafkaConsumer	Disables Kafka consumption	20
ModifyKafkaConsumer	Modifies Kafka protocol consumption information	20
OpenKafkaConsumer	Enables Kafka consumption	20
DescribeKafkaConsumer	Accesses Kafka protocol consumption information	20

CKafka Shipping Task APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateConsumer	Creates a CKafka delivery task	20
DeleteConsumer	Deletes a shipping task	20
ModifyConsumer	Modifies a CKafka delivery task	20
DescribeConsumer	Queries a shipping task	20

Kafka Data Subscription APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeKafkaRecharges	Gets the list of Kafka data subscription tasks	20

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CreateKafkaRecharge	Creates a Kafka data subscription task	20
ModifyKafkaRecharge	Modifies a Kafka data subscription task	20
DeleteKafkaRecharge	Deletes a Kafka data subscription task	20
PreviewKafkaRecharge	Previews the logs of Kafka data subscription tasks	20
CheckRechargeKafkaServer	Checks the connectivity of the Kafka service cluster	20

COS Shipping Task APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateShipper	Creates a task to ship to COS	20
DeleteShipper	Deletes a COS shipping task	20
DescribeShipperTasks	Gets the list of shipping tasks	20
DescribeShippers	Gets the configuration of the task shipped to COS	20
ModifyShipper	Modifies a COS shipping task	20
RetryShipperTask	Retries a failed shipping task	20

SCF Delivery Task APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateDeliverCloudFunction	Creates a delivery SCF task	20

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Scheduled SQL Analysis APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteScheduledSql	Deletes a scheduled SQL analysis task	20
DescribeScheduledSqlInfo	Accesses the scheduled SQL analysis task list	20
CreateScheduledSql	Creates a scheduled SQL analysis task	20
ModifyScheduledSql	Modifies a scheduled SQL analysis task	20

COS Data Import Task APIs

API Name	Feature	Frequency Limit (maximum requests per second)
SearchCosRechargeInfo	Previews COS import information	20
CreateCosRecharge	Creates a COS import task	20
ModifyCosRecharge	Modifies a COS import task	20
DescribeCosRecharges	Gets COS import configuration	20

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Making API Requests
Request Structure

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1. Service Address

The API supports access from either a nearby region (at cls.tencentcloudapi.com) or a specified region (at cls.ap-guangzhou.tencentcloudapi.com for Guangzhou, for example).

We recommend using the domain name to access the nearest server. When you call an API, the request is automatically resolved to a server in the region **nearest** to the location where the API is initiated. For example, when you initiate an API request in Guangzhou, this domain name is automatically resolved to a Guangzhou server, the result is the same as that of specifying the region in the domain like "cls.ap-guangzhou.tencentcloudapi.com".

Note: For latency-sensitive businesses, we recommend that you specify the region in the domain name.

Tencent Cloud currently supports the following regions:

Hosted region	Domain name
Local access region (recommended, only for non-financial availability zones)	cls.tencentcloudapi.com
South China (Guangzhou)	cls.ap-guangzhou.tencentcloudapi.com
East China (Shanghai)	cls.ap-shanghai.tencentcloudapi.com
North China (Beijing)	cls.ap-beijing.tencentcloudapi.com
Southwest China (Chengdu)	cls.ap-chengdu.tencentcloudapi.com
Southwest China (Chongqing)	cls.ap-chongqing.tencentcloudapi.com
Hong Kong, Macao, Taiwan (Hong Kong, China)	cls.ap-hongkong.tencentcloudapi.com
Southeast Asia (Singapore)	cls.ap-singapore.tencentcloudapi.com
Southeast Asia (Bangkok)	cls.ap-bangkok.tencentcloudapi.com

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South Asia (Mumbai)	cls.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	cls.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	cls.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	cls.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	cls.na-siliconvalley.tencentcloudapi.com
North America (Toronto)	cls.na-toronto.tencentcloudapi.com
Europe (Frankfurt)	cls.eu-frankfurt.tencentcloudapi.com

2. Communications Protocol

All the Tencent Cloud APIs communicate via HTTPS, providing highly secure communication tunnels.

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

- application/json (recommended). The TC3-HMAC-SHA256 signature algorithm must be used.
- application/x-www-form-urlencoded. The HmacSHA1 or HmacSHA256 signature algorithm must be used.
- multipart/form-data (only supported by certain APIs). You must use TC3-HMAC-SHA256 to calculate the signature.

The size of a GET request packet is up to 32 KB. The size of a POST request is up to 1 MB when the HmacSHA1 or HmacSHA256 signature algorithm is used, and up to 10 MB when TC3-HMAC-SHA256 is used.

4. Character Encoding

Only UTF-8 encoding is used.

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Common Params

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Common parameters are used for all APIs authenticating requestors. Common parameters must be included in all API requests, and they will not be described in individual API documents.

The exact contents of the common parameters will vary depending on the version of the signature method you use.

Common parameters for Signature Algorithm v3

When the TC3-HMAC-SHA256 algorithm is used, the common parameters should be uniformly placed in the HTTP request header, as shown below:

Parameter Name	Type	Required	Description
X-TC-Action	String	Yes	The name of the API for the desired operation. For the specific value, see description of common parameter `Action` in the input parameters in r documentation. For example, the API for querying the CVM instance list i `DescribeInstances` .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data y work with belongs. For values supported for an API, see the description c parameter `Region` in the input parameters in related API documentati parameter is not required for some APIs (which will be indicated in relate documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request for example, 1529223702. Note: If the difference between the UNIX times server time is greater than 5 minutes, a signature expiration error may oc
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the c parameter `Version` in the API documentation. For example, the versi 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_requ SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is UTC time, and this value must match the value of X-TC-Timestamp (a co

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			parameter) in UTC time format; service is the name of the product/service generally a domain name prefix. For example, a domain name cvm.tencen refers to the CVM product and the value would be cvm; - SignedHeaders: The headers that contains the authentication informatic type and host are the required headers; - Signature: Signature digest.
X-TC-Token	String	No	The token used for a temporary certificate. It must be used with a tempora can obtain the temporary key and token by calling a CAM API. No token i a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Limit=10&Offset=0

Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/20
18-10-09/cvm/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993
f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
Content-Type: application/x-www-form-urlencoded
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1539084154
X-TC-Region: ap-guangzhou
```

The following example shows you how to structure an HTTP POST (application/json) request:

```
https://cvm.tencentcloudapi.com/

Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request,
SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b1316
2d9279b0855cfba6789a8edb4c
Content-Type: application/json
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

{"Offset":0,"Limit":10}
```

Example of an HTTP POST (multipart/form-data) request structure (only supported by specific APIs):

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```
https://cvm.tencentcloudapi.com/

Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request,
SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b1316
2d9279b0855cfba6789a8edb4c
Content-Type: multipart/form-data; boundary=58731222010402
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

--58731222010402
Content-Disposition: form-data; name="Offset"

0
--58731222010402
Content-Disposition: form-data; name="Limit"

10
--58731222010402--
```

Common parameters for Signature Algorithm v1

To adopt the HmacSHA1 and HmacSHA256 signature methods, common parameters must be put into the request string, as shown below:

Parameter Name	Type	Required	Description
Action	String	Yes	The name of the API for the desired operation. For the specific value, see the description of common parameter `Action` in the input parameters in related API documentation. For example, the API for querying the CVM instance list is `DescribeInstances`.
Region	String	Yes	Region parameter, which is used to identify the region to which the data you want to work with belongs. For values supported for an API, see the description of common parameter `Region` in the input parameters in related API documentation. Note: This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even if it is passed.

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Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request was initiated, for example, 1529223702. If the difference between the value and the current system time is too large, a signature expiration error may occur.
Nonce	Integer	Yes	A random positive integer used along with `Timestamp` to prevent replay attacks.
SecretId	String	Yes	The identifying SecretId obtained on the Cloud API Key page. A SecretId corresponds to a unique SecretKey which is used to generate the request signature (Signature).
Signature	String	Yes	Request signature used to verify the validity of this request. This is calculated based on the actual input parameters. For more information about how this is calculated, see the API authentication documentation.
Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter `Version` in the API documentation. For example, the version of CVM is 2017-03-12.
SignatureMethod	String	No	Signature method. Currently, only HmacSHA256 and HmacSHA1 are supported. The HmacSHA256 algorithm is used to verify the signature only when this parameter is specified as HmacSHA256. In other cases, the signature is verified with HmacSHA1.
Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&Sign
atureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb45
9b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId
=AKIDEXAMPLE

Host: cvm.tencentcloudapi.com
Content-Type: application/x-www-form-urlencoded
```

Example of an HTTP POST request structure:

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```
https://cvm.tencentcloudapi.com/

Host: cvm.tencentcloudapi.com
Content-Type: application/x-www-form-urlencoded

Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=
1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d18
1d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

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Signature v3

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TencentCloud API authenticates every single request, i.e., the request must be signed using the security credentials in the designated steps. Each request has to contain the signature information (Signature) in the common request parameters and be sent in the specified way and format.

Applying for Security Credentials

The security credential used in this document is a key, which includes a SecretId and a SecretKey. Each user can have up to two pairs of keys.

- SecretId: Used to identify the API caller, which is just like a username.
- SecretKey: Used to authenticate the API caller, which is just like a password.
- **You must keep your security credentials private and avoid disclosure; otherwise, your assets may be compromised. If they are disclosed, please disable them as soon as possible.**

You can apply for the security credentials through the following steps:

1. Log in to the Tencent Cloud Console.
2. Go to the TencentCloud API Key console page.
3. On the TencentCloud API Key page, click **Create** to create a SecretId/SecretKey pair.

Using the Resources for Developers

TencentCloud API comes with SDKs for seven commonly used programming languages, including Python, Java, PHP, Go, NodeJS and .NET. In addition, it provides API Explorer which enables online call, signature verification, and SDK code generation. If you have any troubles calculating a signature, consult these resources.

TC3-HMAC-SHA256 Signature Algorithm

Compatible with the previous HmacSHA1 and HmacSHA256 signature algorithms, the TC3-HMAC-SHA256 signature algorithm is more secure and supports larger requests and JSON format with better performance. We recommend using TC3-HMAC-SHA256 to calculate the signature.

TencentCloud API supports both GET and POST requests. For the GET method, only the Content-Type: application/x-www-form-urlencoded protocol format is supported. For the POST method, two protocol formats,

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Content-Type: application/json and Content-Type: multipart/form-data, are supported. The JSON format is supported by default for all business APIs, and the multipart format is supported only for specific business APIs. In this case, the API cannot be called in JSON format. See the specific business API documentation for more information. The POST method is recommended, as there is no difference in the results of both the methods, but the GET method only supports request packets up to 32 KB.

The following uses querying the list of CVM instances in the Guangzhou region as an example to describe the steps of signature splicing. We chose this API because:

1. CVM is activated by default, and this API is often used;
2. It is read-only and does not change the status of existing resources;
3. It covers many types of parameters, which allows it to be used to demonstrate how to use arrays containing data structures.

In the example, we try to choose common parameters and API parameters that are prone to mistakes. When you actually call an API, please use parameters based on the actual conditions. The parameters vary by API. Do not copy the parameters and values in this example.

Assuming that your SecretId and SecretKey are `AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******` and `Gu5t9xGARNpq86cd98joQYCN3*******`, respectively, if you want to view the status of the instance in the Guangzhou region whose CVM instance name is "unnamed" and have only one data entry returned, then the request may be:

```
curl -X POST https://cvm.tencentcloudapi.com \
-H "Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3******
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e4
1437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff" \
-H "Content-Type: application/json; charset=utf-8" \
-H "Host: cvm.tencentcloudapi.com" \
-H "X-TC-Action: DescribeInstances" \
-H "X-TC-Timestamp: 1551113065" \
-H "X-TC-Version: 2017-03-12" \
-H "X-TC-Region: ap-guangzhou" \
-d '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}'
```

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

Concatenate the canonical request string (CanonicalRequest) in the following pseudocode format:

```
CanonicalRequest =
HTTPRequestMethod + '\n' +
CanonicalURI + '\n' +
```

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```
CanonicalQueryString + '\n' +
CanonicalHeaders + '\n' +
SignedHeaders + '\n' +
HashedRequestPayload
```

Field Name	Explanation
HTTPRequestMethod	HTTP request method (GET or POST). This example uses `POST` .
CanonicalURI	URI parameter. Slash ("/") is used for API 3.0.
CanonicalQueryString	The query string in the URL of the originating HTTP request. This is always an empty st “” for POST requests, and is the string after the question mark (?) for GET requests. Fo example: Limit=10&Offset=0。 Note: `CanonicalQueryString` must be URL-encoded, referencing RFC3986, the UTF8 character set. We recommend using the programming language library. All speci characters must be encoded and capitalized.
CanonicalHeaders	Header information for signature calculation, including at least two headers of `host` `content-type` . Custom headers can be added to participate in the signature proce improve the uniqueness and security of the request. Concatenation rules: 1. Both the key and value of the header should be converted to lowercase with the lead and trailing spaces removed, so they are concatenated in the format of key:value\n format; 2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase). The calculation result in this example is `content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n` . Note: `content-type` must match the actually sent content. In some programming languages, a charset value would be added even if it is not specified. In this case, the request sent is different from the one signed, and the sever will return an error indicating signature verification failed.
SignedHeaders	Header information for signature calculation, indicating which headers of the request participate in the signature process (they must each individually correspond to the heac in CanonicalHeaders). `Content-type` and `host` are required headers. Concatenation rules: 1. Both the key and value of the header should be converted to lowercase; 2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;). The value in this example is `content-type;host`
HashedRequestPayload	Hash value of the request payload (i.e., the body, such as `{"Limit": 1, "Filter`

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	`[{"Values": ["unnamed"], "Name": "instance-name"}]` in this exampl The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the pay of the HTTP request, performing hexadecimal encoding, and finally converting the enco string to lowercase letters. For GET requests, `RequestPayload` is always an empt string. The calculation result in this example is `99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b49`

According to the rules above, the `CanonicalRequest` string obtained in the example is as follows:

```
POST
/

content-type:application/json; charset=utf-8
host:cvm.tencentcloudapi.com

content-type;host
99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907
```

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

```
StringToSign =
Algorithm + \n +
RequestTimestamp + \n +
CredentialScope + \n +
HashedCanonicalRequest
```

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always `TC3-HMAC-SHA256`.
RequestTimestamp	Request timestamp, i.e., the value of the common parameter `X-TC-Timestamp` in request header, which is the UNIX timestamp of the current time in seconds, such as `1551113065` in this example.
CredentialScope	Scope of the credential in the format of `Date/service/tc3_request`, including date, requested service and termination string (tc3_request). **`Date` is a date in UT time, whose value should match the UTC date converted by the common parameter `X-TC-Timestamp`**; `service` is the product name, which should m the domain name of the product called. The calculation result in this example is `2019-02-25/cvm/tc3_request`.

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HashedCanonicalRequest	Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequ The calculation result in this example is `2815843035062fffda5fd6f2a44ea8a34818b0dc46f024b8b3786976a3ad`

Note:

1. Date has to be calculated from the timestamp "X-TC-Timestamp" and the time zone is UTC+0. If you add the system's local time zone information (such as UTC+8), calls can succeed both day and night but will definitely fail at 00:00. For example, if the timestamp is 1551113065 and the time in UTC+8 is 2019-02-26 00:44:25, the UTC+0 date in the calculated Date value should be 2019-02-25 instead of 2019-02-26.
2. Timestamp must be the same as your current system time, and your system time and standard time must be synced; if the difference between Timestamp and your current system time is larger than five minutes, the request will fail. If your system time is out of sync with the standard time for a while, the request will fail and return a signature expiration error.

According to the preceding rules, the string to be signed obtained in the example is as follows:

```
TC3-HMAC-SHA256
1551113065
2019-02-25/cvm/tc3_request
2815843035062fffda5fd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a
```

3. Calculating the Signature

1. Calculate the derived signature key with the following pseudocode:

```
SecretKey = "Gu5t9xGARNpq86cd98joQYCN3*******"
SecretDate = HMAC_SHA256("TC3" + SecretKey, Date)
SecretService = HMAC_SHA256(SecretDate, Service)
SecretSigning = HMAC_SHA256(SecretService, "tc3_request")
```

Field Name	Explanation
SecretKey	The original SecretKey, i.e., `Gu5t9xGARNpq86cd98joQYCN3*******` .
Date	The Date field information in `Credential` , such as `2019-02-25` in this example.

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Service	Value in the Service field in `Credential`, such as `cvm` in this example.

2. Calculate the signature with the following pseudocode:

```
Signature = HexEncode(HMAC_SHA256(SecretSigning, StringToSign))
```

4. Concatenating the Authorization

The Authorization is concatenated as follows:

```
Authorization =
Algorithm + ' ' +
'Credential=' + SecretId + '/' + CredentialScope + ', ' +
'SignedHeaders=' + SignedHeaders + ', ' +
'Signature=' + Signature
```

Field Name	Explanation
Algorithm	Signature algorithm, which is always `TC3-HMAC-SHA256`.
SecretId	The SecretId in the key pair, i.e., `AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******`.
CredentialScope	Credential scope (see above). The calculation result in this example is `2019-02-25/cvm/tc3_request`.
SignedHeaders	Header information for signature calculation (see above), such as `content-type;host` in this example.
Signature	Signature value. The calculation result in this example is `c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff`.

According to the rules above, the value obtained in the example is:

```
TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
```

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```
Content-Type: application/json; charset=utf-8
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1551113065
X-TC-Region: ap-guangzhou

{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}
```

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See SDK Center for more information. Currently, the following programming languages are supported:

- Python
- Java
- PHP
- Go
- NodeJS
- .NET

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******&Signature=EliP9YW3pW28FpsEdkXt%2F%2BWcGeI%3D&Timestamp=1465185768&Version=2017-03-12.

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

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Java

```
import java.nio.charset.Charset;
import java.nio.charset.StandardCharsets;
import java.security.MessageDigest;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.TimeZone;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPITC3Demo {
private final static Charset UTF8 = StandardCharsets.UTF_8;
private final static String SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******";
private final static String SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*******";
private final static String CT_JSON = "application/json; charset=utf-8";

public static byte[] hmac256(byte[] key, String msg) throws Exception {
Mac mac = Mac.getInstance("HmacSHA256");
SecretKeySpec secretKeySpec = new SecretKeySpec(key, mac.getAlgorithm());
mac.init(secretKeySpec);
return mac.doFinal(msg.getBytes(UTF8));
}

public static String sha256Hex(String s) throws Exception {
MessageDigest md = MessageDigest.getInstance("SHA-256");
byte[] d = md.digest(s.getBytes(UTF8));
return DatatypeConverter.printHexBinary(d).toLowerCase();
}

public static void main(String[] args) throws Exception {
String service = "cvm";
String host = "cvm.tencentcloudapi.com";
String region = "ap-guangzhou";
String action = "DescribeInstances";
String version = "2017-03-12";
String algorithm = "TC3-HMAC-SHA256";
String timestamp = "1551113065";
//String timestamp = String.valueOf(System.currentTimeMillis() / 1000);
SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
// Pay attention to the time zone; otherwise, errors may occur
sdf.setTimeZone(TimeZone.getTimeZone("UTC"));
String date = sdf.format(new Date(Long.valueOf(timestamp + "000")));

// ************ Step 1: Concatenate the CanonicalRequest string ************
```

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```
String httpRequestMethod = "POST";
String canonicalUri = "/";
String canonicalQueryString = "";
String canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "hos
t:" + host + "\n";
String signedHeaders = "content-type;host";

String payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name
\": \"instance-name\"}]}";
String hashedRequestPayload = sha256Hex(payload);
String canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canoni
calQueryString + "\n"
+ canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
System.out.println(canonicalRequest);

// ************* Step 2: Concatenate the string to sign *************
String credentialScope = date + "/" + service + "/" + "tc3_request";
String hashedCanonicalRequest = sha256Hex(canonicalRequest);
String stringToSign = algorithm + "\n" + timestamp + "\n" + credentialScope +
"\n" + hashedCanonicalRequest;
System.out.println(stringToSign);

// ************* Step 3: Calculate the signature *************
byte[] secretDate = hmac256(("TC3" + SECRET_KEY).getBytes(UTF8), date);
byte[] secretService = hmac256(secretDate, service);
byte[] secretSigning = hmac256(secretService, "tc3_request");
String signature = DatatypeConverter.printHexBinary(hmac256(secretSigning, string
ToSign)).toLowerCase();
System.out.println(signature);

// ************* Step 4: Concatenate the Authorization *************
String authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + creden
tialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", " + "Signature=" + signature;
System.out.println(authorization);

TreeMap<String, String> headers = new TreeMap<String, String>();
headers.put("Authorization", authorization);
headers.put("Content-Type", CT_JSON);
headers.put("Host", host);
headers.put("X-TC-Action", action);
headers.put("X-TC-Timestamp", timestamp);
headers.put("X-TC-Version", version);
headers.put("X-TC-Region", region);

StringBuilder sb = new StringBuilder();
sb.append("curl -X POST https://").append(host)
```

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```
.append(" -H \"Authorization: ").append(authorization).append("\"")
.append(" -H \"Content-Type: application/json; charset=utf-8\"")
.append(" -H \"Host: ").append(host).append("\"")
.append(" -H \"X-TC-Action: ").append(action).append("\"")
.append(" -H \"X-TC-Timestamp: ").append(timestamp).append("\"")
.append(" -H \"X-TC-Version: ").append(version).append("\"")
.append(" -H \"X-TC-Region: ").append(region).append("\"")
.append(" -d '").append(payload).append("'");
System.out.println(sb.toString());
}
}
```

Python

```
# -*- coding: utf-8 -*-
import hashlib, hmac, json, os, sys, time
from datetime import datetime

# Key Parameters
secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*******"

service = "cvm"
host = "cvm.tencentcloudapi.com"
endpoint = "https://" + host
region = "ap-guangzhou"
action = "DescribeInstances"
version = "2017-03-12"
algorithm = "TC3-HMAC-SHA256"
#timestamp = int(time.time())
timestamp = 1551113065
date = datetime.utcfromtimestamp(timestamp).strftime("%Y-%m-%d")
params = {"Limit": 1, "Filters": [{"Name": "instance-name", "Values": ["unnamed"
]}]}

# ************* Step 1: Concatenate the CanonicalRequest string *************
http_request_method = "POST"
canonical_uri = "/"
canonical_querystring = ""
ct = "application/json; charset=utf-8"
payload = json.dumps(params)
canonical_headers = "content-type:%s\nhost:%s\n" % (ct, host)
signed_headers = "content-type;host"
hashed_request_payload = hashlib.sha256(payload.encode("utf-8")).hexdigest()
canonical_request = (http_request_method + "\n" +
canonical_uri + "\n" +
```

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```
canonical_querystring + "\n" +
canonical_headers + "\n" +
signed_headers + "\n" +
hashed_request_payload)
print(canonical_request)

# ************* Step 2: Concatenate the string to sign *************
credential_scope = date + "/" + service + "/" + "tc3_request"
hashed_canonical_request = hashlib.sha256(canonical_request.encode("utf-8")).hexd
igest()
string_to_sign = (algorithm + "\n" +
str(timestamp) + "\n" +
credential_scope + "\n" +
hashed_canonical_request)
print(string_to_sign)


# ************* Step 3: Calculate the Signature *************
# Function for computing signature digest
def sign(key, msg):
return hmac.new(key, msg.encode("utf-8"), hashlib.sha256).digest()
secret_date = sign(("TC3" + secret_key).encode("utf-8"), date)
secret_service = sign(secret_date, service)
secret_signing = sign(secret_service, "tc3_request")
signature = hmac.new(secret_signing, string_to_sign.encode("utf-8"), hashlib.sha2
56).hexdigest()
print(signature)

# ************* Step 4: Concatenate the Authorization *************
authorization = (algorithm + " " +
"Credential=" + secret_id + "/" + credential_scope + ", " +
"SignedHeaders=" + signed_headers + ", " +
"Signature=" + signature)
print(authorization)

print('curl -X POST ' + endpoint
+ ' -H "Authorization: ' + authorization + '"'
+ ' -H "Content-Type: application/json; charset=utf-8"'
+ ' -H "Host: ' + host + '"'
+ ' -H "X-TC-Action: ' + action + '"'
+ ' -H "X-TC-Timestamp: ' + str(timestamp) + '"'
+ ' -H "X-TC-Version: ' + version + '"'
+ ' -H "X-TC-Region: ' + region + '"'
+ " -d '" + payload + "'")
```

Golang

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```
package main

import (
"crypto/hmac"
"crypto/sha256"
"encoding/hex"
"fmt"
"time"
)

func sha256hex(s string) string {
b := sha256.Sum256([]byte(s))
return hex.EncodeToString(b[:])
}

func hmacsha256(s, key string) string {
hashed := hmac.New(sha256.New, []byte(key))
hashed.Write([]byte(s))
return string(hashed.Sum(nil))
}

func main() {
secretId := "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
secretKey := "Gu5t9xGARNpq86cd98joQYCN3*******"
host := "cvm.tencentcloudapi.com"
algorithm := "TC3-HMAC-SHA256"
service := "cvm"
version := "2017-03-12"
action := "DescribeInstances"
region := "ap-guangzhou"
//var timestamp int64 = time.Now().Unix()
var timestamp int64 = 1551113065

// step 1: build canonical request string
httpRequestMethod := "POST"
canonicalURI := "/"
canonicalQueryString := ""
canonicalHeaders := "content-type:application/json; charset=utf-8\n" + "host:" +
host + "\n"
signedHeaders := "content-type;host"
payload := `{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-na
me"}]}`
hashedRequestPayload := sha256hex(payload)
canonicalRequest := fmt.Sprintf("%s\n%s\n%s\n%s\n%s\n%s",
httpRequestMethod,
canonicalURI,
```

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```
canonicalQueryString,
canonicalHeaders,
signedHeaders,
hashedRequestPayload)
fmt.Println(canonicalRequest)

// step 2: build string to sign
date := time.Unix(timestamp, 0).UTC().Format("2006-01-02")
credentialScope := fmt.Sprintf("%s/%s/tc3_request", date, service)
hashedCanonicalRequest := sha256hex(canonicalRequest)
string2sign := fmt.Sprintf("%s\n%d\n%s\n%s",
algorithm,
timestamp,
credentialScope,
hashedCanonicalRequest)
fmt.Println(string2sign)

// step 3: sign string
secretDate := hmacsha256(date, "TC3"+secretKey)
secretService := hmacsha256(service, secretDate)
secretSigning := hmacsha256("tc3_request", secretService)
signature := hex.EncodeToString([]byte(hmacsha256(string2sign, secretSigning)))
fmt.Println(signature)

// step 4: build authorization
authorization := fmt.Sprintf("%s Credential=%s/%s, SignedHeaders=%s, Signature=%
s",
algorithm,
secretId,
credentialScope,
signedHeaders,
signature)
fmt.Println(authorization)

curl := fmt.Sprintf(`curl -X POST https://%s\
-H "Authorization: %s"\
-H "Content-Type: application/json; charset=utf-8"\
-H "Host: %s" -H "X-TC-Action: %s"\
-H "X-TC-Timestamp: %d"\
-H "X-TC-Version: %s"\
-H "X-TC-Region: %s"\
-d '%s'`, host, authorization, host, action, timestamp, version, region, payload)
fmt.Println(curl)
}
```

PHP

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```php
<?php
$secretId = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******";
$secretKey = "Gu5t9xGARNpq86cd98joQYCN3*******";
$host = "cvm.tencentcloudapi.com";
$service = "cvm";
$version = "2017-03-12";
$action = "DescribeInstances";
$region = "ap-guangzhou";
// $timestamp = time();
$timestamp = 1551113065;
$algorithm = "TC3-HMAC-SHA256";

// step 1: build canonical request string
$httpRequestMethod = "POST";
$canonicalUri = "/";
$canonicalQueryString = "";
$canonicalHeaders = "content-type:application/json; charset=utf-8\n"."host:".$hos
t."\n";
$signedHeaders = "content-type;host";
$payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-na
me"}]}';
$hashedRequestPayload = hash("SHA256", $payload);
$canonicalRequest = $httpRequestMethod."\n"
.$canonicalUri."\n"
.$canonicalQueryString."\n"
.$canonicalHeaders."\n"
.$signedHeaders."\n"
.$hashedRequestPayload;
echo $canonicalRequest.PHP_EOL;

// step 2: build string to sign
$date = gmdate("Y-m-d", $timestamp);
$credentialScope = $date."/".$service."/tc3_request";
$hashedCanonicalRequest = hash("SHA256", $canonicalRequest);
$stringToSign = $algorithm."\n"
.$timestamp."\n"
.$credentialScope."\n"
.$hashedCanonicalRequest;
echo $stringToSign.PHP_EOL;

// step 3: sign string
$secretDate = hash_hmac("SHA256", $date, "TC3".$secretKey, true);
$secretService = hash_hmac("SHA256", $service, $secretDate, true);
$secretSigning = hash_hmac("SHA256", "tc3_request", $secretService, true);
$signature = hash_hmac("SHA256", $stringToSign, $secretSigning);
echo $signature.PHP_EOL;
```

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```
// step 4: build authorization
$authorization = $algorithm
." Credential=".$secretId."/".$credentialScope
.", SignedHeaders=content-type;host, Signature=".$signature;
echo $authorization.PHP_EOL;

$curl = "curl -X POST https://".$host
.' -H "Authorization: '.$authorization.'"'
.' -H "Content-Type: application/json; charset=utf-8"'
.' -H "Host: '.$host.'"'
.' -H "X-TC-Action: '.$action.'"'
.' -H "X-TC-Timestamp: '.$timestamp.'"'
.' -H "X-TC-Version: '.$version.'"'
.' -H "X-TC-Region: '.$region.'"'
." -d '".$payload."'";
echo $curl.PHP_EOL;
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'digest'
require 'json'
require 'time'
require 'openssl'

# Key Parameters
secret_id = 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******'
secret_key = 'Gu5t9xGARNpq86cd98joQYCN3*******'

service = 'cvm'
host = 'cvm.tencentcloudapi.com'
endpoint = 'https://' + host
region = 'ap-guangzhou'
action = 'DescribeInstances'
version = '2017-03-12'
algorithm = 'TC3-HMAC-SHA256'
# timestamp = Time.now.to_i
timestamp = 1551113065
date = Time.at(timestamp).utc.strftime('%Y-%m-%d')

# ************* Step 1: Concatenate the CanonicalRequest string *************
http_request_method = 'POST'
canonical_uri = '/'
canonical_querystring = ''
```

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```
canonical_headers = "content-type:application/json; charset=utf-8\nhost:#{host}
\n"
signed_headers = 'content-type;host'
# params = { 'Limit' => 1, 'Filters' => [{ 'Name' => 'instance-name', 'Values' =>
['unnamed'] }] }
# payload = JSON.generate(params, { 'ascii_only' => true, 'space' => ' ' })
# json will generate in random order, to get specified result in example, we hard
-code it here.
payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-nam
e"}]}'
hashed_request_payload = Digest::SHA256.hexdigest(payload)
canonical_request = [
http_request_method,
canonical_uri,
canonical_querystring,
canonical_headers,
signed_headers,
hashed_request_payload,
].join("\n")

puts canonical_request

# ************* Step 2: Concatenate the string to sign *************
credential_scope = date + '/' + service + '/' + 'tc3_request'
hashed_request_payload = Digest::SHA256.hexdigest(canonical_request)
string_to_sign = [
algorithm,
timestamp.to_s,
credential_scope,
hashed_request_payload,
].join("\n")
puts string_to_sign

# ************* Step 3: Calculate the Signature *************
digest = OpenSSL::Digest.new('sha256')
secret_date = OpenSSL::HMAC.digest(digest, 'TC3' + secret_key, date)
secret_service = OpenSSL::HMAC.digest(digest, secret_date, service)
secret_signing = OpenSSL::HMAC.digest(digest, secret_service, 'tc3_request')
signature = OpenSSL::HMAC.hexdigest(digest, secret_signing, string_to_sign)
puts signature

# ************* Step 4: Concatenate the Authorization *************
authorization = "#{algorithm} Credential=#{secret_id}/#{credential_scope}, Signed
Headers=#{signed_headers}, Signature=#{signature}"
puts authorization

puts 'curl -X POST ' + endpoint \
```

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```
+ ' -H "Authorization: ' + authorization + '"' \
+ ' -H "Content-Type: application/json; charset=utf-8"' \
+ ' -H "Host: ' + host + '"' \
+ ' -H "X-TC-Action: ' + action + '"' \
+ ' -H "X-TC-Timestamp: ' + timestamp.to_s + '"' \
+ ' -H "X-TC-Version: ' + version + '"' \
+ ' -H "X-TC-Region: ' + region + '"' \
+ " -d '" + payload + "'"
```

DotNet

```
using System;
using System.Collections.Generic;
using System.Security.Cryptography;
using System.Text;

public class Application
{
public static string SHA256Hex(string s)
{
using (SHA256 algo = SHA256.Create())
{
byte[] hashbytes = algo.ComputeHash(Encoding.UTF8.GetBytes(s));
StringBuilder builder = new StringBuilder();
for (int i = 0; i < hashbytes.Length; ++i)
{
builder.Append(hashbytes[i].ToString("x2"));
}
return builder.ToString();
}
}
public static byte[] HmacSHA256(byte[] key, byte[] msg)
{
using (HMACSHA256 mac = new HMACSHA256(key))
{
return mac.ComputeHash(msg);
}
}

public static Dictionary<String, String> BuildHeaders(string secretid,
string secretkey, string service, string endpoint, string region,
string action, string version, DateTime date, string requestPayload)
{
string datestr = date.ToString("yyyy-MM-dd");
DateTime startTime = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc);
long requestTimestamp = (long)Math.Round((date - startTime).TotalMilliseconds, Mi
```

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```
dpointRounding.AwayFromZero) / 1000;
// ************* Step 1: Concatenate the CanonicalRequest string *************
string algorithm = "TC3-HMAC-SHA256";
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string contentType = "application/json";
string canonicalHeaders = "content-type:" + contentType + "; charset=utf-8\n" +
"host:" + endpoint + "\n";
string signedHeaders = "content-type;host";
string hashedRequestPayload = SHA256Hex(requestPayload);
string canonicalRequest = httpRequestMethod + "\n"
+ canonicalUri + "\n"
+ canonicalQueryString + "\n"
+ canonicalHeaders + "\n"
+ signedHeaders + "\n"
+ hashedRequestPayload;
Console.WriteLine(canonicalRequest);
Console.WriteLine("-----------------------------------");

// ************* Step 2: Concatenate the string to sign *************
string credentialScope = datestr + "/" + service + "/" + "tc3_request";
string hashedCanonicalRequest = SHA256Hex(canonicalRequest);
string stringToSign = algorithm + "\n" + requestTimestamp.ToString() + "\n" + cre
dentialScope + "\n" + hashedCanonicalRequest;
Console.WriteLine(stringToSign);
Console.WriteLine("-----------------------------------");

// ************* Step 3: Calculate the signature *************
byte[] tc3SecretKey = Encoding.UTF8.GetBytes("TC3" + secretkey);
byte[] secretDate = HmacSHA256(tc3SecretKey, Encoding.UTF8.GetBytes(datestr));
byte[] secretService = HmacSHA256(secretDate, Encoding.UTF8.GetBytes(service));
byte[] secretSigning = HmacSHA256(secretService, Encoding.UTF8.GetBytes("tc3_requ
est"));
byte[] signatureBytes = HmacSHA256(secretSigning, Encoding.UTF8.GetBytes(stringTo
Sign));
string signature = BitConverter.ToString(signatureBytes).Replace("-", "").ToLower
();
Console.WriteLine(signature);
Console.WriteLine("-----------------------------------");

// ************* Step 4: Concatenate the Authorization *************
string authorization = algorithm + " "
+ "Credential=" + secretid + "/" + credentialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", "
+ "Signature=" + signature;
Console.WriteLine(authorization);
```

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```
Console.WriteLine("-----------------------------------");

Dictionary<string, string> headers = new Dictionary<string, string>();
headers.Add("Authorization", authorization);
headers.Add("Host", endpoint);
headers.Add("Content-Type", contentType + "; charset=utf-8");
headers.Add("X-TC-Timestamp", requestTimestamp.ToString());
headers.Add("X-TC-Version", version);
headers.Add("X-TC-Action", action);
headers.Add("X-TC-Region", region);
return headers;
}
public static void Main(string[] args)
{
// SecretID and SecretKey
string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******";
string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*******";

string service = "cvm";
string endpoint = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";

// The timestamp `2019-02-26 00:44:25` used here is only for reference. In a proj
ect, use the following parameter:
// DateTime date = DateTime.UtcNow;
// Enter the correct time zone. We recommend using UTC timestamp to avoid errors.
DateTime date = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc).AddSeconds
(1551113065);
string requestPayload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"\\u672a\\u5
47d\\u540d\"], \"Name\": \"instance-name\"}]}";

Dictionary<string, string> headers = BuildHeaders(SECRET_ID, SECRET_KEY, service
, endpoint, region, action, version, date, requestPayload);

Console.WriteLine("POST https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine();
Console.WriteLine(requestPayload);
}
}
```

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NodeJS

```
const crypto = require('crypto');

function sha256(message, secret = '', encoding) {
const hmac = crypto.createHmac('sha256', secret)
return hmac.update(message).digest(encoding)
}
function getHash(message, encoding = 'hex') {
const hash = crypto.createHash('sha256')
return hash.update(message).digest(encoding)
}
function getDate(timestamp) {
const date = new Date(timestamp * 1000)
const year = date.getUTCFullYear()
const month = ('0' + (date.getUTCMonth() + 1)).slice(-2)
const day = ('0' + date.getUTCDate()).slice(-2)
return `${year}-${month}-${day}`
}
function main(){

const SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
const SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*******"

const endpoint = "cvm.tencentcloudapi.com"
const service = "cvm"
const region = "ap-guangzhou"
const action = "DescribeInstances"
const version = "2017-03-12"
//const timestamp = getTime()
const timestamp = 1551113065
const date = getDate(timestamp)

// ************* Step 1: Concatenate the CanonicalRequest string *************
const signedHeaders = "content-type;host"

const payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name
\": \"instance-name\"}]}"

const hashedRequestPayload = getHash(payload);
const httpRequestMethod = "POST"
const canonicalUri = "/"
const canonicalQueryString = ""
const canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "hos
t:" + endpoint + "\n"

const canonicalRequest = httpRequestMethod + "\n"
```

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```
+ canonicalUri + "\n"
+ canonicalQueryString + "\n"
+ canonicalHeaders + "\n"
+ signedHeaders + "\n"
+ hashedRequestPayload
console.log(canonicalRequest)
console.log("----------------------------")

// ************* Step 2: Concatenate the string to sign *************
const algorithm = "TC3-HMAC-SHA256"
const hashedCanonicalRequest = getHash(canonicalRequest);
const credentialScope = date + "/" + service + "/" + "tc3_request"
const stringToSign = algorithm + "\n" +
timestamp + "\n" +
credentialScope + "\n" +
hashedCanonicalRequest
console.log(stringToSign)
console.log("----------------------------")

// ************* Step 3: Calculate the signature *************
const kDate = sha256(date, 'TC3' + SECRET_KEY)
const kService = sha256(service, kDate)
const kSigning = sha256('tc3_request', kService)
const signature = sha256(stringToSign, kSigning, 'hex')
console.log(signature)
console.log("----------------------------")

// ************* Step 4: Concatenate the Authorization *************
const authorization = algorithm + " " +
"Credential=" + SECRET_ID + "/" + credentialScope + ", " +
"SignedHeaders=" + signedHeaders + ", " +
"Signature=" + signature
console.log(authorization)
console.log("----------------------------")

const Call_Information = 'curl -X POST ' + "https://" + endpoint
+ ' -H "Authorization: ' + authorization + '"'
+ ' -H "Content-Type: application/json; charset=utf-8"'
+ ' -H "Host: ' + endpoint + '"'
+ ' -H "X-TC-Action: ' + action + '"'
+ ' -H "X-TC-Timestamp: ' + timestamp.toString() + '"'
+ ' -H "X-TC-Version: ' + version + '"'
+ ' -H "X-TC-Region: ' + region + '"'
+ " -d '" + payload + "'"
console.log(Call_Information)
}
main()
```

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C++

```
#include <iostream>
#include <iomanip>
#include <sstream>
#include <string>
#include <stdio.h>
#include <time.h>
#include <openssl/sha.h>
#include <openssl/hmac.h>

using namespace std;

string get_data(int64_t &timestamp)
{
string utcDate;
char buff[20] = {0};
// time_t timenow;
struct tm sttime;
sttime = *gmtime(&timestamp);
strftime(buff, sizeof(buff), "%Y-%m-%d", &sttime);
utcDate = string(buff);
return utcDate;
}
string int2str(int64_t n)
{
std::stringstream ss;
ss << n;
return ss.str();
}
string sha256Hex(const string &str)
{
char buf[3];
unsigned char hash[SHA256_DIGEST_LENGTH];
SHA256_CTX sha256;
SHA256_Init(&sha256);
SHA256_Update(&sha256, str.c_str(), str.size());
SHA256_Final(hash, &sha256);
std::string NewString = "";
for(int i = 0; i < SHA256_DIGEST_LENGTH; i++)
{
snprintf(buf, sizeof(buf), "%02x", hash[i]);
NewString = NewString + buf;
}
return NewString;
```

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```
}
string HmacSha256(const string &key, const string &input)
{
unsigned char hash[32];

HMAC_CTX *h;
#if OPENSSL_VERSION_NUMBER < 0x10100000L
HMAC_CTX hmac;
HMAC_CTX_init(&hmac);
h = &hmac;
#else
h = HMAC_CTX_new();
#endif

HMAC_Init_ex(h, &key[0], key.length(), EVP_sha256(), NULL);
HMAC_Update(h, ( unsigned char* )&input[0], input.length());
unsigned int len = 32;
HMAC_Final(h, hash, &len);

#if OPENSSL_VERSION_NUMBER < 0x10100000L
HMAC_CTX_cleanup(h);
#else
HMAC_CTX_free(h);
#endif

std::stringstream ss;
ss << std::setfill('0');
for (int i = 0; i < len; i++)
{
ss << hash[i];
}

return (ss.str());
}
string HexEncode(const string &input)
{
static const char* const lut = "0123456789abcdef";
size_t len = input.length();

string output;
output.reserve(2 * len);
for (size_t i = 0; i < len; ++i)
{
const unsigned char c = input[i];
output.push_back(lut[c >> 4]);
output.push_back(lut[c & 15]);
}
```

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```
return output;
}

int main()
{
string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******";
string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*******";

string service = "cvm";
string host = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
int64_t timestamp = 1551113065;
string date = get_data(timestamp);

// ************* Step 1: Concatenate the CanonicalRequest string *************
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string canonicalHeaders = "content-type:application/json; charset=utf-8\nhost:" +
host + "\n";
string signedHeaders = "content-type;host";
string payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name
\": \"instance-name\"}]}";
string hashedRequestPayload = sha256Hex(payload);
string canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canoni
calQueryString + "\n"
+ canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
cout << canonicalRequest << endl;
cout << "-----------------------" << endl;

// ************* Step 2: Concatenate the string to sign *************
string algorithm = "TC3-HMAC-SHA256";
string RequestTimestamp = int2str(timestamp);
string credentialScope = date + "/" + service + "/" + "tc3_request";
string hashedCanonicalRequest = sha256Hex(canonicalRequest);
string stringToSign = algorithm + "\n" + RequestTimestamp + "\n" + credentialScop
e + "\n" + hashedCanonicalRequest;
cout << stringToSign << endl;
cout << "-----------------------" << endl;

// ************* Step 3: Calculate the signature ***************
string kKey = "TC3" + SECRET_KEY;
string kDate = HmacSha256(kKey, date);
string kService = HmacSha256(kDate, service);
string kSigning = HmacSha256(kService, "tc3_request");
```

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```
string signature = HexEncode(HmacSha256(kSigning, stringToSign));
cout << signature << endl;
cout << "-----------------------" << endl;

// ************* Step 4: Concatenate the Authorization *************
string authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + creden
tialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", " + "Signature=" + signature;
cout << authorization << endl;
cout << "-----------------------" << endl;

string headers = "curl -X POST https://" + host + "\n"
+ " -H \"Authorization: " + authorization + "\n"
+ " -H \"Content-Type: application/json; charset=utf-8\"" + "\n"
+ " -H \"Host: " + host + "\n"
+ " -H \"X-TC-Action: " + action + "\n"
+ " -H \"X-TC-Timestamp: " + RequestTimestamp + "\n"
+ " -H \"X-TC-Version: " + version + "\n"
+ " -H \"X-TC-Region: " + region + "\n"
+ " -d '" + payload;
cout << headers << endl;
return 0;
};
```

Signature Failure

The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error Code	Description
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes.
AuthFailure.SecretIdNotFound	The key does not exist. Please go to the console to check whether it is disabled or you copied fewer or more characters.
AuthFailure.SignatureFailure	Signature error. It is possible that the signature was calculated incorrectly, the signature does not match the content actually sent, or the SecretKey is incorrect.
AuthFailure.TokenFailure	Temporary certificate token error.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).

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Signature

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Tencent Cloud API authenticates each access request, i.e. each request needs to include authentication information (Signature) in the common parameters to verify the identity of the requester.
The Signature is generated by the security credentials which include SecretId and SecretKey. If you don't have the security credentials yet, go to the TencentCloud API Key page to apply for them; otherwise, you cannot invoke the TencentCloud API.

1. Applying for Security Credentials

Before using the TencentCloud API for the first time, go to the TencentCloud API Key page to apply for security credentials.
Security credentials consist of SecretId and SecretKey:

- SecretId is used to identify the API requester.
- SecretKey is used to encrypt the signature string and verify it on the server.
- **You must keep your security credentials private and avoid disclosure.**

You can apply for the security credentials through the following steps:

1. Log in to the Tencent Cloud Console.
2. Go to the TencentCloud API Key page.
3. On the API Key Management page, click **Create Key** to create a SecretId/SecretKey pair.

Note: Each account can have up to two pairs of SecretId/SecretKey.

2. Generating a Signature

With the SecretId and SecretKey, a signature can be generated. The following describes how to generate a signature:

Assume that the SecretId and SecretKey are:

- SecretId: `AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******`
- SecretKey: `Gu5t9xGARNpq86cd98joQYCN3*******`

Note: This is just an example. For actual operations, please use your own SecretId and SecretKey.

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Take the Cloud Virtual Machine's request to view the instance list (DescribeInstances) as an example. When you invoke this API, the request parameters may be as follows:

Parameter name	Description	Parameter value
Action	Method name	DescribeInstances
SecretId	Key ID	`AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******`
Timestamp	Current timestamp	1465185768
Nonce	Random positive integer	11886
Region	Region where the instance is located	ap-guangzhou
InstanceIds.0	ID of the instance to query	ins-09dx96dg
Offset	Offset	0
Limit	Allowed maximum output	20
Version	API version number	2017-03-12

2.1. Sorting Parameters

First, sort all the request parameters in an ascending lexicographical order (ASCII code) by their names. Notes: (1) Parameters are sorted by their names instead of their values; (2) The parameters are sorted based on ASCII code, not in an alphabetical order or by values. For example, InstanceIds.2 should be arranged after InstanceIds.12. You can complete the sorting process using a sorting function in a programming language, such as the ksort function in PHP. The parameters in the example are sorted as follows:

```
{
'Action' : 'DescribeInstances',
'InstanceIds.0' : 'ins-09dx96dg',
'Limit' : 20,
'Nonce' : 11886,
'Offset' : 0,
'Region' : 'ap-guangzhou',
'SecretId' : 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******',
'Timestamp' : 1465185768,
'Version': '2017-03-12',
}
```

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When developing in another programming language, you can sort these sample parameters and it will work as long as you obtain the same results.

2.2. Concatenating a Request String

This step generates a request string.

Format the request parameters sorted in the previous step into the form of "parameter name"="parameter value". For example, for the Action parameter, its parameter name is "Action" and its parameter value is "DescribeInstances", so it will become Action=DescribeInstances after formatted.

Note: The "parameter value" is the original value but not the value after URL encoding.

Then, concatenate the formatted parameters with "&". The resulting request string is as follows:

```
Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0
&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******&Timestamp=1465
185768&Version=2017-03-12
```

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

1. HTTP method: POST and GET modes are supported, and GET is used here for the request. Please note that the method name should be in all capital letters.
2. Request server: the domain name of the request to view the list of instances (DescribeInstances) is cvm.tencentcloudapi.com. The actual request domain name varies by the module to which the API belongs. For more information, see the instructions of the specific API.
3. Request path: The request path in the current version of TencentCloud API is fixed to /.
4. Request string: the request string generated in the previous step.

The concatenation rule of the signature original string is: Request method + request host + request path + ? + request string

The concatenation result of the example is:

```
GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&L
imit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WF
kmLPx3*******&Timestamp=1465185768&Version=2017-03-12
```

2.4. Generating a Signature String

This step generates a signature string.

First, use the HMAC-SHA1 algorithm to sign the **signature original string** obtained in the previous step, and then

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encode the generated signature using Base64 to obtain the final signature.

The specific code is as follows with the PHP language being used as an example:

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3*******';
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******&Timestamp=1465185768&Version=2017-03-12';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
echo $signStr;
```

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

When developing in another programming language, you can sign and verify the original in the example above and it works as long as you get the same results.

3. Encoding a Signature String

The generated signature string cannot be directly used as a request parameter and must be URL encoded.

For example, if the signature string generated in the previous step is zmmjn35mikh6pM3V7sUEuX4wyYM=, the final signature string request parameter (Signature) is zmmjn35mikh6pM3V7sUEuX4wyYM%3D, which will be used to generate the final request URL.

Note: If your request method is GET, or the request method is POST and the Content-Type is application/x-www-form-urlencoded, then all the request parameter values need to be URL encoded (except the parameter key and the symbol of =) when sending the request. Non-ASCII characters need to be encoded with UTF-8 before URL encoding.

Note: The network libraries of some programming languages automatically URL encode all parameters, in which case there is no need to URL encode the signature string; otherwise, two rounds of URL encoding will cause the signature to fail.

Note: Other parameter values also need to be encoded using RFC 3986. Use %XY in percent-encoding for special characters such as Chinese characters, where "X" and "Y" are hexadecimal characters (0-9 and uppercase A-F), and using lowercase will cause an error.

4. Signature Failure

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The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error code	Error description
AuthFailure.SignatureExpire	The signature is expired
AuthFailure.SecretIdNotFound	The key does not exist
AuthFailure.SignatureFailure	Signature error
AuthFailure.TokenFailure	Token error
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type)

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See SDK Center for more information. Currently, the following programming languages are supported:

- Python
- Java
- PHP
- Go
- NodeJS
- .NET

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******&Signature=zmmjn35mikh6pM3V7sUEuX4wyYM%3D&Timestamp=1465185768&Version=2017-03-12` .

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

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Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

Java

```
import java.io.UnsupportedEncodingException;
import java.net.URLEncoder;
import java.util.Random;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPIDemo {
private final static String CHARSET = "UTF-8";

public static String sign(String s, String key, String method) throws Exception {
Mac mac = Mac.getInstance(method);
SecretKeySpec secretKeySpec = new SecretKeySpec(key.getBytes(CHARSET), mac.getAlg
orithm());
mac.init(secretKeySpec);
byte[] hash = mac.doFinal(s.getBytes(CHARSET));
return DatatypeConverter.printBase64Binary(hash);
}

public static String getStringToSign(TreeMap<String, Object> params) {
StringBuilder s2s = new StringBuilder("GETcvm.tencentcloudapi.com/?");
// When signing, the parameters need to be sorted in lexicographical order. TreeM
ap is used here to guarantee the correct order.
for (String k : params.keySet()) {
s2s.append(k).append("=").append(params.get(k).toString()).append("&");
}
return s2s.toString().substring(0, s2s.length() - 1);
}

public static String getUrl(TreeMap<String, Object> params) throws UnsupportedEnc
odingException {
StringBuilder url = new StringBuilder("https://cvm.tencentcloudapi.com/?");
// There is no requirement for the order of the parameters in the actual request
URL.
for (String k : params.keySet()) {
```

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```
// The request string needs to be URL encoded. As the Key is all in English lette
rs, only the value is URL encoded here.
url.append(k).append("=").append(URLEncoder.encode(params.get(k).toString(), CHAR
SET)).append("&");
}
return url.toString().substring(0, url.length() - 1);
}

public static void main(String[] args) throws Exception {
TreeMap<String, Object> params = new TreeMap<String, Object>(); // TreeMap enable
s automatic sorting
// A random number should be used when actually calling, for example: params.put
("Nonce", new Random().nextInt(java.lang.Integer.MAX_VALUE));
params.put("Nonce", 11886); // Common parameter
// The current time of the system should be used when actually calling, for examp
le: params.put("Timestamp", System.currentTimeMillis() / 1000);
params.put("Timestamp", 1465185768); // Common parameter
params.put("SecretId", "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"); // Common paramet
er
params.put("Action", "DescribeInstances"); // Common parameter
params.put("Version", "2017-03-12"); // Common parameter
params.put("Region", "ap-guangzhou"); // Common parameter
params.put("Limit", 20); // Business parameter
params.put("Offset", 0); // Business parameter
params.put("InstanceIds.0", "ins-09dx96dg"); // Business parameter
params.put("Signature", sign(getStringToSign(params), "Gu5t9xGARNpq86cd98joQYCN3*
******", "HmacSHA1")); // Common parameter
System.out.println(getUrl(params));
}
}
```

Python

Note: If running in a Python 2 environment, the following requests dependency package must be installed first: `pip install requests` .

```
# -*- coding: utf8 -*-
import base64
import hashlib
import hmac
import time

import requests

secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*******"
```

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```
def get_string_to_sign(method, endpoint, params):
s = method + endpoint + "/?"
query_str = "&".join("%s=%s" % (k, params[k]) for k in sorted(params))
return s + query_str

def sign_str(key, s, method):
hmac_str = hmac.new(key.encode("utf8"), s.encode("utf8"), method).digest()
return base64.b64encode(hmac_str)

if __name__ == '__main__':
endpoint = "cvm.tencentcloudapi.com"
data = {
'Action' : 'DescribeInstances',
'InstanceIds.0' : 'ins-09dx96dg',
'Limit' : 20,
'Nonce' : 11886,
'Offset' : 0,
'Region' : 'ap-guangzhou',
'SecretId' : secret_id,
'Timestamp' : 1465185768, # int(time.time())
'Version': '2017-03-12'
}
s = get_string_to_sign("GET", endpoint, data)
data["Signature"] = sign_str(secret_key, s, hashlib.sha1)
print(data["Signature"])
# An actual invocation would occur here, which may incur fees after success
# resp = requests.get("https://" + endpoint, params=data)
# print(resp.url)
```

Golang

```
package main

import (
"bytes"
"crypto/hmac"
"crypto/sha1"
"encoding/base64"
"fmt"
"sort"
)

func main() {
secretId := "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
secretKey := "Gu5t9xGARNpq86cd98joQYCN3*******"
```

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```
params := map[string]string{
"Nonce": "11886",
"Timestamp": "1465185768",
"Region": "ap-guangzhou",
"SecretId": secretId,
"Version": "2017-03-12",
"Action": "DescribeInstances",
"InstanceIds.0": "ins-09dx96dg",
"Limit": "20",
"Offset": "0",
}

var buf bytes.Buffer
buf.WriteString("GET")
buf.WriteString("cvm.tencentcloudapi.com")
buf.WriteString("/")
buf.WriteString("?")

// sort keys by ascii asc order
keys := make([]string, 0, len(params))
for k, _ := range params {
keys = append(keys, k)
}
sort.Strings(keys)

for i := range keys {
k := keys[i]
buf.WriteString(k)
buf.WriteString("=")
buf.WriteString(params[k])
buf.WriteString("&")
}
buf.Truncate(buf.Len() - 1)

hashed := hmac.New(sha1.New, []byte(secretKey))
hashed.Write(buf.Bytes())

fmt.Println(base64.StdEncoding.EncodeToString(hashed.Sum(nil)))
}
```

PHP

```
<?php
$secretId = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******";
$secretKey = "Gu5t9xGARNpq86cd98joQYCN3*******";
$param["Nonce"] = 11886;//rand();
```

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```
$param["Timestamp"] = 1465185768;//time();
$param["Region"] = "ap-guangzhou";
$param["SecretId"] = $secretId;
$param["Version"] = "2017-03-12";
$param["Action"] = "DescribeInstances";
$param["InstanceIds.0"] = "ins-09dx96dg";
$param["Limit"] = 20;
$param["Offset"] = 0;

ksort($param);

$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ( $param as $key => $value ) {
$signStr = $signStr . $key . "=" . $value . "&";
}
$signStr = substr($signStr, 0, -1);

$signature = base64_encode(hash_hmac("sha1", $signStr, $secretKey, true));
echo $signature.PHP_EOL;
// need to install and enable curl extension in php.ini
// $param["Signature"] = $signature;
// $url = "https://cvm.tencentcloudapi.com/?".http_build_query($param);
// echo $url.PHP_EOL;
// $ch = curl_init();
// curl_setopt($ch, CURLOPT_URL, $url);
// $output = curl_exec($ch);
// curl_close($ch);
// echo json_decode($output);
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'time'
require 'openssl'
require 'base64'

secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*******"

method = 'GET'
endpoint = 'cvm.tencentcloudapi.com'
data = {
'Action' => 'DescribeInstances',
'InstanceIds.0' => 'ins-09dx96dg',
'Limit' => 20,
```

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```
'Nonce' => 11886,
'Offset' => 0,
'Region' => 'ap-guangzhou',
'SecretId' => secret_id,
'Timestamp' => 1465185768, # Time.now.to_i
'Version' => '2017-03-12',
}
sign = method + endpoint + '/?'
params = []
data.sort.each do |item|
params << "#{item[0]}=#{item[1]}"
end
sign += params.join('&')
digest = OpenSSL::Digest.new('sha1')
data['Signature'] = Base64.encode64(OpenSSL::HMAC.digest(digest, secret_key, sig
n))
puts data['Signature']

# require 'net/http'
# uri = URI('https://' + endpoint)
# uri.query = URI.encode_www_form(data)
# p uri
# res = Net::HTTP.get_response(uri)
# puts res.body
```

DotNet

```
using System;
using System.Collections.Generic;
using System.Net;
using System.Security.Cryptography;
using System.Text;

public class Application {
public static string Sign(string signKey, string secret)
{
string signRet = string.Empty;
using (HMACSHA1 mac = new HMACSHA1(Encoding.UTF8.GetBytes(signKey)))
{
byte[] hash = mac.ComputeHash(Encoding.UTF8.GetBytes(secret));
signRet = Convert.ToBase64String(hash);
}
return signRet;
}
public static string MakeSignPlainText(SortedDictionary<string, string> requestPa
rams, string requestMethod, string requestHost, string requestPath)
```

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```
{
string retStr = "";
retStr += requestMethod;
retStr += requestHost;
retStr += requestPath;
retStr += "?";
string v = "";
foreach (string key in requestParams.Keys)
{
v += string.Format("{0}={1}&", key, requestParams[key]);
}
retStr += v.TrimEnd('&');
return retStr;
}

public static void Main(string[] args)
{
string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******";
string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*******";

string endpoint = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
double RequestTimestamp = 1465185768;
// long timestamp = ToTimestamp() / 1000;
// string requestTimestamp = timestamp.ToString();
Dictionary<string, string> param = new Dictionary<string, string>();
param.Add("Limit", "20");
param.Add("Offset", "0");
param.Add("InstanceIds.0", "ins-09dx96dg");
param.Add("Action", action);
param.Add("Nonce", "11886");
// param.Add("Nonce", Math.Abs(new Random().Next()).ToString());

param.Add("Timestamp", RequestTimestamp.ToString());
param.Add("Version", version);

param.Add("SecretId", SECRET_ID);
param.Add("Region", region);
SortedDictionary<string, string> headers = new SortedDictionary<string, string>(p
aram, StringComparer.Ordinal);
string sigInParam = MakeSignPlainText(headers, "GET", endpoint, "/");
Console.WriteLine(sigInParam);
string sigOutParam = Sign(SECRET_KEY, sigInParam);
```

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```
Console.WriteLine("GET https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine("Signature" + ": " + WebUtility.UrlEncode(sigOutParam));
Console.WriteLine();

string result = "https://cvm.tencentcloudapi.com/?";
foreach (KeyValuePair<string, string> kv in headers)
{
result += WebUtility.UrlEncode(kv.Key) + "=" + WebUtility.UrlEncode(kv.Value) +
"&";
}
result += WebUtility.UrlEncode("Signature") + "=" + WebUtility.UrlEncode(sigOutPa
ram);
Console.WriteLine("GET " + result);
}
}
```

NodeJS

```
const crypto = require('crypto');

function get_req_url(params, endpoint){
params['Signature'] = escape(params['Signature']);
const url_strParam = sort_params(params)
return "https://" + endpoint + "/?" + url_strParam.slice(1);
}

function formatSignString(reqMethod, endpoint, path, strParam){
let strSign = reqMethod + endpoint + path + "?" + strParam.slice(1);
return strSign;
}
function sha1(secretKey, strsign){
let signMethodMap = {'HmacSHA1': "sha1"};
let hmac = crypto.createHmac(signMethodMap['HmacSHA1'], secretKey || "");
return hmac.update(Buffer.from(strsign, 'utf8')).digest('base64')
}

function sort_params(params){
let strParam = "";
let keys = Object.keys(params);
keys.sort();
for (let k in keys) {
//k = k.replace(/_/g, '.');
```

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```
strParam += ("&" + keys[k] + "=" + params[keys[k]]);
}
return strParam
}

function main(){
const SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*******"
const SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*******"

const endpoint = "cvm.tencentcloudapi.com"
const Region = "ap-guangzhou"
const Version = "2017-03-12"
const Action = "DescribeInstances"
const Timestamp = 1465185768
// const Timestamp = Math.round(Date.now() / 1000)
const Nonce = 11886
//const nonce = Math.round(Math.random() * 65535)

let params = {};
params['Action'] = Action;
params['InstanceIds.0'] = 'ins-09dx96dg';
params['Limit'] = 20;
params['Offset'] = 0;
params['Nonce'] = Nonce;
params['Region'] = Region;
params['SecretId'] = SECRET_ID;
params['Timestamp'] = Timestamp;
params['Version'] = Version;

strParam = sort_params(params)

const reqMethod = "GET";
const path = "/";
strSign = formatSignString(reqMethod, endpoint, path, strParam)
console.log(strSign)
console.log("-----------------------")

params['Signature'] = sha1(SECRET_KEY, strSign)
console.log(params['Signature'])
console.log("-----------------------")

const req_url = get_req_url(params, endpoint)
console.log(params['Signature'])
console.log("-----------------------")
console.log(req_url)
}
main()
```

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Responses

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Response for Successful Requests

For example, when calling CAM API (version: 2017-03-12) to view the status of instances (DescribeInstancesStatus), if the request has succeeded, you may see the response as shown below:

```
{
"Response": {
"TotalCount": 0,
"InstanceStatusSet": [],
"RequestId": "b5b41468-520d-4192-b42f-595cc34b6c1c"
}
}
```

- The API will return `Response`, which contains `RequestId`, as long as it processes the request. It does not matter if the request is successful or not.
- RequestId is the unique ID of an API request. Contact us with this ID when an exception occurs.
- Except for the fixed fields, all fields are action-specified. For the definitions of action-specified fields, see the corresponding API documentation. In this example, `TotalCount` and `InstanceStatusSet` are the fields specified by the API `DescribeInstancesStatus`. 0 `TotalCount` means that the requester owns 0 CVM instance so the `InstanceStatusSet` is empty.

Response for Failed Requests

If the request has failed, you may see the response as shown below:

```
{
"Response": {
"Error": {
"Code": "AuthFailure.SignatureFailure",
"Message": "The provided credentials could not be validated. Please ensure your s
ignature is correct."
},
"RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
}
}
```

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- The presence of the `Error` field indicates that the request has failed. A response for a failed request will include `Error`, `Code` and `Message` fields.
- `Code` is the code of the error that helps you identify the cause and solution. There are two types of error codes so you may find the code in either common error codes or API-specified error codes.
- Message explains the cause of the error. Note that the returned messages are subject to service updates. The information the messages provide may not be up-to-date and should not be the only source of reference.
- RequestId is the unique ID of an API request. Contact us with this ID when an exception occurs.

Common Error Codes

If there is an Error field in the response, it means that the API call failed. The Code field in Error indicates the error code. The following table lists the common error codes that all actions can return.

Error Code	Description
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	The key does not exist.
AuthFailure.SignatureExpire	Signature expired.
AuthFailure.SignatureFailure	Signature error.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request does not have CAM authorization.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.

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NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTPS request method error. Only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

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Topic Management APIs
DeleteTopic

Last updated：2024-04-15 19:58:26

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a log topic.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteTopic.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Log Topic

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteTopic
<Common request parameters>

{
"TopicId": "a5ce0c9c-0690-44a5-bc79-5f2190626bd0"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.TopicHasDataFormTask	A data processing task is bound to this topic.
OperationDenied.TopicHasDeliverFunction	The topic is bound to a function for shipping.
OperationDenied.TopicHasExternalDatasourceConfig	Unable to delete this topic because an external data source is configured for it.
OperationDenied.TopicHasScheduleSqlTask	The topic is bound to the `scheduleSql` job.
ResourceNotFound.LogsetNotExist	The specified logset does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeTopics

Last updated：2024-04-15 19:58:26

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of log topics and supports pagination.

A maximum of 50 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTopics.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	• topicName: Filter by **log topic name**. Fuzzy match is implemented by default. You can use the `PreciseSearch` parameter to set exact match. Type: String. Required. No. • logsetName: Filter by **logset name**. Fuzzy match is implemented by default. You can use the `PreciseSearch` parameter to set exact match. Type: String. Required: No. • topicId: Filter by **log topic ID**. Type: String. Required: No. • logsetId: Filter by **logset ID**. You can call `DescribeLogsets` to query the list of created logsets or log in to the console to view them. You can also call `CreateLogset` to create a logset. Type: String. Required: No.

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			• tagKey: Filter by **tag key**. Type: String. Required: No. • tag:tagKey: Filter by **tag key-value pair**. The `tagKey` should be replaced with a specified tag key, such as `tag:exampleKey`. Type: String. Required: No. • storageType: Filter by **log topic storage type**. Valid values: `hot` (standard storage) and `cold` (IA storage). Type: String. Required: No. Each request can have up to 10 `Filters` and 100 `Filter.Values`.
Offset	No	Integer	Page offset. Default value: 0.
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100.
PreciseSearch	No	Integer	Match mode for `Filters` fields. - 0: Fuzzy match for `topicName` and `logsetName`. This is the default value. - 1: Exact match for `topicName`. - 2: Exact match for `logsetName`. - 3: Exact match for `topicName` and `logsetName`.
BizType	No	Integer	Topic type - 0 (default): Log topic. - 1: Metric topic.

3. Output Parameters

Parameter Name	Type	Description
Topics	Array of TopicInfo	Log topic list
TotalCount	Integer	Total number
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the List of Log Topics

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This example shows you how to get the list of log topics.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeTopics
<Common request parameters>

{
"Filters": [],
"Offset": 10,
"Limit": 30
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"Topics": [
{
"Index": true,
"PartitionCount": 1,
"Describes": "x1",
"Status": true,
"Tags": [
{
"Value": "x10",
"Key": "x11"
}
],
"AssumerName": "x12",
"SubAssumerName": "x13",
"MaxSplitPartitions": 0,
"LogsetId": "x15",
"TopicId": "x16",
"HotPeriod": 1,
"StorageType": "x17",
"Period": 0,
"AutoSplit": true,
"CreateTime": "x18",
"TopicName": "x19"
}
],
```

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```
"RequestId": "x20"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.

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OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.AnalysisSwitchClose	The analysis feature is not enabled for the field.
ResourceNotFound.LogsetNotExist	The specified logset does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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CreateTopic

Last updated：2024-05-31 14:44:21

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a log topic.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateTopic.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
LogsetId	Yes	String	Logset ID
TopicName	Yes	String	Log topic name
PartitionCount	No	Integer	Number of log topic partitions. Default value: 1. Maximum value: 10
Tags.N	No	Array of Tag	Tag description list. This parameter is used to bind a tag to a log topic. Up to 10 tag key-value pairs are supported, and a resource can be bound to only one tag key.
AutoSplit	No	Boolean	Whether to enable automatic split. Default value: true

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Parameter Name	Required	Type	Description
MaxSplitPartitions	No	Integer	Maximum number of partitions to split into for this topic if automatic split is enabled. Default value: 50
StorageType	No	String	Log topic storage type. Valid values: `hot` (STANDARD storage); `cold` (IA storage). Default value: `hot` .
Period	No	Integer	lifetime. Unit: days. Standard storage value range: 1 to 3600. Infrequent storage value range: 7 to 3600 days. A value of 3640 indicates permanent retention.If this value is not input, it defaults to the Period value of the log set corresponding to the accessed log topic (defaults to 30 days in case of access failure).
Describes	No	String	Log topic description
HotPeriod	No	Integer	0: Disable log settlement.Non-zero: The number of Standard Storage days after enabling log settlement. HotPeriod needs to be greater than or equal to 7, and less than Period.Effective only when StorageType is hot.
IsWebTracking	No	Boolean	Authentication switch. false: off; true: on. Default is false.Once enabled, it will support specified operations for anonymous access to this log topic. For details, please see log Topic.

3. Output Parameters

Parameter Name	Type	Description
TopicId	String	Log topic ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Log Topic

This example shows you how to create a log topic.

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Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateTopic
<Common request parameters>

{
"LogsetId": "xxxxxx-xx-xx-xx-xxxxxxxx",
"TopicName": "testname",
"PartitionCount": 1,
"Tags": [],
"Period": 12
}
```

Output Example

```
{
"Response": {
"TopicId": "xxxx-xx-xx-xx-xxxxxxxx",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InvalidPeriod	The offline storage period cannot be less than 7 days.
FailedOperation.TopicCreating	The topic is being created.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.TopicConflict	There is already a log topic with the same name in the specified logset.
LimitExceeded	The quota limit has been reached.
LimitExceeded.Logset	The number of logsets exceeds the limit.
LimitExceeded.Topic	The number of log topics exceeds the limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.LogsetNotExist	The specified logset does not exist.

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ModifyTopic

Last updated：2024-04-15 19:58:26

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a log topic.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyTopic.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
TopicName	No	String	Log topic name
Tags.N	No	Array of Tag	Tag description list. This parameter is used to bind a tag to a log topic. Up to 10 tag key-value pairs are supported, and they must be unique.
Status	No	Boolean	Whether the topic has log collection enabled. true: collection enabled; false: collection disabled.The console currently does not support modifying this parameter.
AutoSplit	No	Boolean	Whether to enable automatic split

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MaxSplitPartitions	No	Integer	Maximum number of partitions to split into for this topic if automatic split is enabled
Period	No	Integer	Lifecycle in days. Value range: 1 to 3600 (STANDARD storage); 7 to 3600 (IA storage). 3640 indicates permanent retention.
Describes	No	String	Log topic description
HotPeriod	No	Integer	`0` : Disable log transitioning. A value other than `0` : The number of STANDARD storage days after log transitioning is enabled (valid only if `StorageType` is `hot`). Note: `HotPeriod` should be greater than or equal to `7` and less than `Period` .
IsWebTracking	No	Boolean	Free authentication switch. false: disabled; true: enabled.Once enabled, it will support specified operations for anonymous access to this log topic. For details, please see log Topic.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Log Topic

This example shows you how to modify a log topic.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyTopic
<Common request parameters>

{
```

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```
"TopicId": "xxxxxx-xx-xx-xx-xxxxxxxx",
"TopicName": "testname",
"Status": false,
"Tags": [],
"Period": 10
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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FailedOperation	Operation failed.
FailedOperation.InvalidPeriod	The offline storage period cannot be less than 7 days.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
FailedOperation.TopicClosed	The log topic has been disabled.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.TopicConflict	There is already a log topic with the same name in the specified logset.
LimitExceeded	The quota limit has been reached.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.TopicHasScheduleSqlTask	The topic is bound to the `scheduleSql` job.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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Log Set Management APIs
CreateLogset

Last updated：2024-04-15 19:58:32

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a logset. The ID of the created logset is returned.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateLogset.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
LogsetName	Yes	String	Logset name, which must be unique
Tags.N	No	Array of Tag	Tag description list. Up to 10 tag key-value pairs are supported and must be unique.

3. Output Parameters

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Parameter Name	Type	Description
LogsetId	String	Logset ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Logset

This example shows you how to create a logset.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateLogset
<Common request parameters>

{
"LogsetName": "testname",
"Tags": [
{
"Key": "test-tag",
"Value": "test-value"
}
]
}
```

Output Example

```
{
"Response": {
"LogsetId": "dc01b74a-49e4-11eb-b378-0242ac130002",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
FailedOperation.LogsetConflict	The same logset already exists.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.LogsetConflict	The same logset already exists.
LimitExceeded	The quota limit has been reached.
LimitExceeded.Logset	The number of logsets exceeds the limit.
MissingParameter	Missing parameter.

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OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DeleteLogset

Last updated：2024-04-15 19:58:31

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a logset.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteLogset.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
LogsetId	Yes	String	Logset ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting a Logset

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteLogset
<Common request parameters>

{
"LogsetId": "eb6eafd9-1656-4d60-b3c2-0a5bf91c9b0d"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.LogsetNotEmpty	There are log topics under the logset.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.LogsetNotExist	The specified logset does not exist.

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ModifyLogset

Last updated：2024-04-15 19:58:31

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a logset.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyLogset.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
LogsetId	Yes	String	Logset ID
LogsetName	No	String	Logset name
Tags.N	No	Array of Tag	Tag key-value pair bound to logset. Up to 10 tag key-value pairs are supported, and a resource can be bound to only one tag key at any time.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Renaming a Logset

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyLogset
<Common request parameters>

{
"LogsetId": "dc01b74a-49e4-11eb-b378-0242ac130002",
"LogsetName": "changename"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.PeriodModifyForbidden	The modified lifecycle is prohibited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.LogsetConflict	The same logset already exists.
LimitExceeded	The quota limit has been reached.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.LogsetNotExist	The specified logset does not exist.

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DescribeLogsets

Last updated：2024-04-15 19:58:31

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of logsets.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeLogsets.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	logsetName - Filter by **logset name** - Type: String - Required: No logsetId - Filter by **logset ID** - Type: String - Required: No tagKey

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			- Filter by **tag key** - Type: String - Required: No tag:tagKey - Filter by **tag key-value pair**. The `tagKey` should be replaced with a specified tag key. - Type: String - Required: No Each request can have up to 10 `Filters` and 5 `Filter.Values`.
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of pages
Logsets	Array of LogsetInfo	Logset list
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the List of Logsets

This example shows you how to get the list of logsets.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
```

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```
Content-Type: application/json
X-TC-Action: DescribeLogsets
<Common request parameters>

{
"Offset": 0,
"Limit": 100
}
```

Output Example

```
{
"Response": {
"Logsets": [
{
"LogsetId": "cce2db26-xxxx-43f3-ae7d-3502a4b424fd",
"LogsetName": "CLS Demo logset_100007xxxx27",
"CreateTime": "2022-04-27 14:53:42",
"AssumerName": "CLS",
"Tags": [],
"TopicCount": 8,
"RoleName": "inner_cls_demo"
}
],
"TotalCount": 1,
"RequestId": "141c1a10-da4b-4d86-a70d-ed49fd9b3b58"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.

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Index APIs
CreateIndex

Last updated：2024-04-15 19:58:38

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create an index.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateIndex.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
Rule	Yes	RuleInfo	Index rule
Status	No	Boolean	Whether to take effect. Default value: true
IncludeInternalFields	No	Boolean	Whether full-text indexing includes internal fields (`__FILENAME__` , `__HOSTNAME__` , and `__SOURCE__`). Default value: `false` . Recommended value: `true` .

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			* `false` : Full-text indexing does not include internal fields. * `true` : Full-text indexing includes internal fields.
MetadataFlag	No	Integer	Whether full-text indexing includes metadata fields (which are prefixed with `__TAG__`). Default value: `0` . Recommended value: `1` . * `0` : Full-text indexing includes only the metadata fields with key-value indexing enabled. * `1` : Full-text indexing includes all metadata fields. * `2` : Full-text indexing does not include metadata fields.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an Index

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateIndex
<Common request parameters>

{
"TopicId": "3edc8551-111b-473b-9fc4-ed66e20dfa8a",
"Status": true,
"Rule": {
"FullText": {
"CaseSensitive": true,
"Tokenizer": "*"
},
"KeyValue": {
"CaseSensitive": true,
```

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```
"KeyValues": [
{
"Key": "age",
"Value": {
"Type": "long",
"Tokenizer": "_",
"SqlFlag": false
}
}
]
},
"Tag": {
"CaseSensitive": true,
"KeyValues": [
{
"Key": "tag",
"Value": {
"Type": "string",
"Tokenizer": "**",
"SqlFlag": false
}
}
]
}
}
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InValidIndexRuleForSearchLow	IA storage does not support key-value or tag index configuration.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.InValidIndexRuleForSearchLow	IA storage does not support key-value or tag index configuration.
InvalidParameter.IndexConflict	An index rule already exists for the specified log topic.
LimitExceeded	The quota limit has been reached.
LimitExceeded.IndexOperating	Index operations exceed the frequency limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.

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OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.IndexNotExist	The index does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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DeleteIndex

Last updated：2024-04-15 19:58:38

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete the index configuration of a log topic. After deleting, you cannot retrieve or query the collected logs.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteIndex.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a

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		RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting Index Configuration

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteIndex
<Common request parameters>

{
"TopicId": "826f8b26-b054-4a0d-8c8e-f3d609f5e0ea"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
LimitExceeded.IndexOperating	Index operations exceed the frequency limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.IndexNotExist	The index does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyIndex

Last updated：2024-04-15 19:58:37

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify the index configuration. It is subject to the default request frequency limit, and the number of concurrent requests to the same log topic cannot exceed 1, i.e., the index configuration of only one log topic can be modified at a time.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyIndex.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
Status	No	Boolean	It does not take effect by default
Rule	No	RuleInfo	Index rule
IncludeInternalFields	No	Boolean	Whether full-text indexing includes internal fields (`__FILENAME__` , `__HOSTNAME__` , and `__SOURCE__`). Default value: `false` . Recommended value: `true` .

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			* `false` : Full-text indexing does not include internal fields. * `true` : Full-text indexing includes internal fields.
MetadataFlag	No	Integer	Whether full-text indexing includes metadata fields (which are prefixed with `__TAG__`). Default value: `0` . Recommended value: `1` . * `0` : Full-text indexing includes only metadata fields with key-value indexing enabled. * `1` : Full-text indexing includes all metadata fields. * `2` : Full-text indexing does not include metadata fields.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying Index

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyIndex
<Common request parameters>

{
"TopicId": "826f8b26-b054-4a0d-8c8e-f3d609f5e0ea",
"Rule": {
"FullText": {
"CaseSensitive": false,
"Tokenizer": "-=/?"
},
"Tag": {
"CaseSensitive": false,
"KeyValues": [
```

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```
{
"Value": {
"Type": "long",
"SqlFlag": true
},
"Key": "timestamp"
}
]
},
"KeyValue": {
"CaseSensitive": false,
"KeyValues": [
{
"Value": {
"Type": "long",
"SqlFlag": true
},
"Key": "age"
}
]
}
},
"Status": true,
}
```


Output Example


```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InValidIndexRuleForSearchLow	IA storage does not support key-value or tag index configuration.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.InValidIndexRuleForSearchLow	IA storage does not support key-value or tag index configuration.
LimitExceeded.IndexOperating	Index operations exceed the frequency limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.IndexNotExist	The index does not exist.

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ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeIndex

Last updated：2024-04-15 19:58:38

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the index configuration information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeIndex.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID

3. Output Parameters

Parameter Name	Type	Description
TopicId	String	Log topic ID
Status	Boolean	Whether it takes effect
Rule	RuleInfo	Index configuration information

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		Note: this field may return `null` , indicating that no valid values can be obtained.
ModifyTime	String	Index modification time. The default value is the index creation time.
IncludeInternalFields	Boolean	Whether full-text indexing includes internal fields (`__FILENAME__` , `__HOSTNAME__` , and `__SOURCE__`) * `false` : Full-text indexing does not include internal fields. * `true` : Full-text indexing includes internal fields. Note: This field may return null, indicating that no valid values can be obtained.
MetadataFlag	Integer	Whether full-text indexing includes metadata fields (which are prefixed with `__TAG__`) * `0` : Full-text indexing includes only the metadata fields with key-value indexing enabled. * `1` : Full-text indexing includes all metadata fields. * `2` : Full-text indexing does not include metadata fields. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting Index Information

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeIndex
<Common request parameters>

{
"TopicId": "826f8b26-b054-4a0d-8c8e-f3d609f5e0ea"
}
```

Output Example

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```
{
"Response": {
"TopicId": "826f8b26-b054-4a0d-8c8e-f3d609f5e0ea",
"Status": true,
"Rule": {
"FullText": {
"CaseSensitive": false,
"Tokenizer": "-=/?"
},
"KeyValue": {
"CaseSensitive": false,
"KeyValues": [
{
"Key": "age",
"Value": {
"Type": "long",
"SqlFlag": true
}
}
]
},
"Tag": {
"CaseSensitive": false,
"KeyValues": [
{
"Key": "__TAG__.timestamp",
"Value": {
"Type": "long",
"SqlFlag": true
}
}
]
}
},
"ModifyTime": "2021-01-13 21:00:08",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7",
"IncludeInternalFields": true,
"MetadataFlag": 1
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.IndexNotExist	The index does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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Topic Partition APIs
DescribePartitions

Last updated：2024-04-15 19:58:25

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of topic partitions.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribePartitions.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID

3. Output Parameters

Parameter Name	Type	Description
Partitions	Array of	Partition list

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	PartitionInfo	
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the List of Partitions

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribePartitions
<Common request parameters>

{
"TopicId": "cabcd0a8-4a54-11eb-b378-0242ac130002"
}
```

Output Example

```
{
"Response": {
"Partitions": [
{
"PartitionId": 1,
"Status": "readwrite",
"InclusiveBeginKey": "0000",
"ExclusiveEndKey": "ffff",
"CreateTime": "2019-01-14 19:19:41",
"LastWriteTime": null
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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SplitPartition

Last updated：2024-04-15 19:58:25

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to split a topic partition.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SplitPartition.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
PartitionId	Yes	Integer	ID of the partition to be split
SplitKey	No	String	Partition split hash key position, which is meaningful only if `Number=2` is set
Number	No	Integer	Number of partitions to split into, which is optional. Default value: 2

3. Output Parameters

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Parameter Name	Type	Description
Partitions	Array of PartitionInfo	Split result set
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Splitting a Topic Partition

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: SplitPartition
<Common request parameters>

{
"TopicId": "427bba81-e149-4a8b-bd0d-b2a412520d7b",
"PartitionId": 1,
"Number": 2
}
```

Output Example

```
{
"Response": {
"Partitions": [
{
"PartitionId": 1,
"Status": "readonly",
"InclusiveBeginKey": "0000",
"ExclusiveEndKey": "ffff",
"CreateTime": "2019-01-14 19:25:41",
"LastWriteTime": "2019-01-14 19:33:41"
},
{
"PartitionId": 2,
```

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```
"Status": "readwrite",
"InclusiveBeginKey": "0000",
"ExclusiveEndKey": "7fff",
"CreateTime": "2019-01-14 19:25:41",
"LastWriteTime": "2019-01-14 19:33:41"
},
{
"PartitionId": 3,
"Status": "readwrite",
"InclusiveBeginKey": "7fff",
"ExclusiveEndKey": "ffff",
"CreateTime": "2019-01-14 19:33:41",
"LastWriteTime": null
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TopicClosed	The log topic has been disabled.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
LimitExceeded.Partition	The number of partitions exceeds the limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.PartitionNotExist	The partition does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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MergePartition

Last updated：2024-04-15 19:58:25

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to merge a topic partition in read/write state. During merge, a topic partition ID can be specified, and CLS will automatically merge the partition adjacent to the right of the range.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: MergePartition.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
PartitionId	Yes	Integer	Merged `PartitionId`

3. Output Parameters

Parameter Name	Type	Description

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Partitions	Array of PartitionInfo	Merge result set
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Merging Topic Partitions

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: MergePartition
<Common request parameters>

{
"TopicId": "427bba81-e149-4a8b-bd0d-b2a412520d7b",
"PartitionId": 2
}
```

Output Example

```
{
"Response": {
"Partitions": [
{
"PartitionId": 2,
"Status": "readonly",
"InclusiveBeginKey": "0000",
"ExclusiveEndKey": "7fff",
"CreateTime": "2019-01-14 19:25:41",
"LastWriteTime": "2019-01-14 19:33:41"
},
{
"PartitionId": 3,
"Status": "readonly",
"InclusiveBeginKey": "7fff",
"ExclusiveEndKey": "ffff",
"CreateTime": "2019-01-14 19:25:41",
"LastWriteTime": "2019-01-14 19:33:41"
```

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```
},
{
"PartitionId": 4,
"Status": "readwrite",
"InclusiveBeginKey": "0000",
"ExclusiveEndKey": "ffff",
"CreateTime": "2019-01-14 19:33:41",
"LastWriteTime": null
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.

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InternalError	Internal error.
InvalidParameter	Incorrect parameter.
LimitExceeded.Partition	The number of partitions exceeds the limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.PartitionNotExist	The partition does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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Machine Group APIs
CreateMachineGroup

Last updated：2024-04-15 19:58:30

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateMachineGroup.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupName	Yes	String	Machine group name, which must be unique
MachineGroupType	Yes	MachineGroupTypeInfo	Type of the machine group to be created. Valid values: `ip` : use the IP string list in `Values` to create a machine group; `label` : use the tag string list in `Values` to create a machine group

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Tags.N	No	Array of Tag	Tag description list. This parameter is used to bind a tag to a machine group. Up to 10 tag key-value pairs are supported, and a resource can be bound to only one tag key.
AutoUpdate	No	Boolean	Whether to enable automatic update for the machine group
UpdateStartTime	No	String	Update start time. We recommend you update LogListener during off-peak hours.
UpdateEndTime	No	String	Update end time. We recommend you update LogListener during off-peak hours.
ServiceLogging	No	Boolean	Whether to enable the service log to record the logs generated by the LogListener service itself. After it is enabled, the internal logset `cls_service_logging` and the `loglistener_status`, `loglistener_alarm`, and `loglistener_business` log topics will be created, which will not incur fees
DelayCleanupTime	No	Integer	Offline cleaning time for machines in machine group
MetaTags.N	No	Array of MetaTagInfo	Metadata information list of a machine group
OSType	No	Integer	System type, default 0, 0: Linux, 1: Windows

3. Output Parameters

Parameter Name	Type	Description
GroupId	String	Machine group ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

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Example1 Creating a Machine Group

This example shows you how to create a machine group.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateMachineGroup
<Common request parameters>

{
"GroupName": "testname",
"MachineGroupType": {
"Type": "ip",
"Values": [
"10.10.1.119"
]
}
}
```

Output Example

```
{
"Response": {
"GroupId": "57f5808c-4a55-11eb-b378-0242ac130002",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.MachineGroupConflict	The same machine group already exists.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit has been reached.
LimitExceeded.MachineGroup	The number of machine groups exceeds the limit.
LimitExceeded.MachineGroupIp	The number of machine group IPs exceeds the limit.
LimitExceeded.MachineGroupIpLabels	The number of machine group labels exceeds the limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DeleteMachineGroup

Last updated：2024-04-15 19:58:30

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteMachineGroup.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	Machine group ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Machine Group

This example shows you how to delete a machine group.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteMachineGroup
<Common request parameters>
{
"GroupId": "57f5808c-4a55-11eb-b378-0242ac130002"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.

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ModifyMachineGroup

Last updated：2024-04-15 19:58:29

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyMachineGroup.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	Machine group ID
GroupName	No	String	Machine group name
MachineGroupType	No	MachineGroupTypeInfo	Machine group type
Tags.N	No	Array of Tag	Tag list
AutoUpdate	No	Boolean	Whether to enable automatic update for the machine group

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UpdateStartTime	No	String	Update start time. We recommend you update LogListener during off-peak hours.
UpdateEndTime	No	String	Update end time. We recommend you update LogListener during off-peak hours.
ServiceLogging	No	Boolean	Whether to enable the service log to record the logs generated by the LogListener service itself. After it is enabled, the internal logset `cls_service_logging` and the `loglistener_status`, `loglistener_alarm`, and `loglistener_business` log topics will be created, which will not incur fees.
DelayCleanupTime	No	Integer	Regular offline cleaning time for machines in machine group
MetaTags.N	No	Array of MetaTagInfo	Metadata information list of a machine group

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Machine Group

This example shows you how to modify a machine group.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyMachineGroup
<Common request parameters>
```

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```
{
"GroupId": "57f5808c-4a55-11eb-b378-0242ac130002",
"GroupName": "testgroup"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.MachineGroupConflict	The same machine group already exists.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded.MachineGroupIp	The number of machine group IPs exceeds the limit.
LimitExceeded.MachineGroupIpLabels	The number of machine group labels exceeds the limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.

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DescribeMachineGroups

Last updated：2024-04-19 10:04:04

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of machine groups.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeMachineGroups.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	machineGroupName - Filter by [Machine Group Name]. - Type: String - Required: No machineGroupId - Filter by [Machine group ID]. - Type: String - Required: No

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			osType - Filter by [Operating System Type]. - Type: Int - Required: No tagKey - Filter by [Tag key]. - Type: String - Required: No tag:tagKey - Filter by [Tag key-value pair]. Replace tagKey with the specific Tag key.- Type: String - Required: No The maximum number of Filters per request is 10, and the maximum for Filter.Values is 5.
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100

3. Output Parameters

Parameter Name	Type	Description
MachineGroups	Array of MachineGroupInfo	Machine group information list Note: This field may return "null", indicating that no valid values can be obtained.
TotalCount	Integer	Total number of pages
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting a List of Machine Groups

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This example shows you how to get a list of machine groups containing specified tags.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeMachineGroups
<Common request parameters>

{
"Filters": [
{
"Key": "tagKey",
"Values": [
"k1"
]
}
],
"Offset": 0,
"Limit": 10
}
```

Output Example

```
{
"Response": {
"MachineGroups": [
{
"GroupId": "4a4ee397-xxxx-466f-a04c-b3413b9db40c",
"GroupName": "cos-recharge",
"MachineGroupType": {
"Type": "label",
"Values": [
"cos-recharge"
]
},
"CreateTime": "2022-02-13 21:07:54",
"AutoUpdate": "",
"UpdateStartTime": "",
"UpdateEndTime": "",
"ServiceLogging": true,
"MetaTags": [],
"Tags": []
}
],
```

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```
"TotalCount": 1,
"RequestId": "2dc17eaa-xxxx-40ea-8cdc-650aa85ccb80"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.

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OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeMachines

Last updated：2024-04-15 19:58:29

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the status of a machine under the specified machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeMachines.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	ID of the machine group to be queried

3. Output Parameters

Parameter Name	Type	Description
Machines	Array of MachineInfo	Group of machine status information
AutoUpdate	Integer	Whether the machine group has enabled automatic upgrade function. 0:

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		Automatic upgrade not enabled; 1: Automatic upgrade enabled.
UpdateStartTime	String	Preset start time of automatic update of machine group
UpdateEndTime	String	Preset end time of automatic update of machine group
LatestAgentVersion	String	Latest LogListener version available to the current user
ServiceLogging	Boolean	Whether to enable the service log
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting Machine Status

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeMachines
<Common request parameters>

{
"GroupId": "57f5808c-4a55-11eb-b378-0242ac130002"
}
```

Output Example

```
{
"Response": {
"Machines": [
{
"Ip": "10.10.10.10",
"Status": 0,
"Version": "2.1.0",
"UpdateStatus": 0,
"ErrCode": 0,
"ErrMsg": "OK",
"AutoUpdate": 1,
```

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```
"OfflineTime": "2020-12-18 11:17:28"
}
],
"AutoUpdate": 0,
"UpdateStartTime": "00:00:00",
"UpdateEndTime": "01:00:00",
"LatestAgentVersion": "2.2.0",
"ServiceLogging": true,
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.

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InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.AgentVersionNotExist	The agent version does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.

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AddMachineGroupInfo

Last updated：2024-04-15 19:58:30

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to add machine group information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AddMachineGroupInfo.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	Machine group ID
MachineGroupType	Yes	MachineGroupTypeInfo	Machine group type Supported types: `ip` and `label`

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adding a Machine Group IP or Label

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AddMachineGroupInfo
<Common request parameters>

{
"MachineGroupType": {
"Values": [
"10.0.60.184"
],
"Type": "ip",
},
"GroupId": "57f5808c-4a55-11eb-b378-0242ac130002"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InvalidParameter.DbDuplication	The unique key of database conflicts.

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DeleteMachineGroupInfo

Last updated：2024-04-15 19:58:30

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete machine group information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteMachineGroupInfo.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	Machine group ID
MachineGroupType	Yes	MachineGroupTypeInfo	Machine group type Supported types: `ip` and `label`

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Machine Group IP or Label

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteMachineGroupInfo
<Common request parameters>

{
"MachineGroupType": {
"Values": [
"10.0.60.184"
],
"Type": "ip"
},
"GroupId": "57f5808c-4a55-11eb-b378-0242ac130002"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.

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Collection Configuration APIs
CreateConfig

Last updated：2024-04-15 19:58:42

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create collection rule configuration.

A maximum of 30 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateConfig
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this AP
Name	Yes	String	Collection configuration name
Output	Yes	String	Log topic ID (TopicId) of collection configuration
Path	No	String	Log collection path containing the filename

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Parameter Name	Required	Type	Description
LogType	No	String	The collected log type, default is minimalist_log. Supports th see Using JSON pattern to collect logs);- delimiter_log: Deli to collect logs);- minimalist_log: Single-line Full-text File Log collect logs);- fullregex_log: Single line full regular expressio regular expression pattern to collect logs);- multiline_log: Mu full-text pattern to collect logs);- multiline_fullregex_log: Mult information, see Using multi-line - complete regular expressi (Suitable for logs with multiple nested formats, see Using co collection (For more information, see Collect Syslog);- windo Logs).
ExtractRule	No	ExtractRuleInfo	Extraction rule. If `ExtractRule` is set, `LogType` mus
ExcludePaths.N	No	Array of ExcludePathInfo	Collection path blocklist
UserDefineRule	No	String	Custom collection rules, serialized JSON string. Required w
AdvancedConfig	No	String	Advanced collection configuration. A JSON string, Key/Valu value range: an integer greater than or equal to 0, where 0 m value range: an integer greater than or equal to 0.- `ClsAge` true or false Sample: `{\"ClsAgentFileTimeout\":0,\"ClsAgen` Default placeholder value in console: `{\"ClsAgentDefa`

3. Output Parameters

Parameter Name	Type	Description
ConfigId	String	Collection configuration ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

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Example1 Creating Single-Line Full Text

FilterKeyRegex: Loglistener log filter rule list (earlier version), log keys that need to be filtered and their corresponding regex.
Note: For LogListener versions 2.9.3 and later, it's recommended to use the AdvanceFilterRules configuration for log filtering.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateConfig
<Common request parameters>
{
"Name": "test2.8.8",
"Path": "/data/log/**/my.log",
"ExcludePaths": [],
"LogType": "minimalist_log",
"UserDefineRule": "",
"ExtractRule": {
"IsGBK": 0,
"FilterKeyRegex": [
{
"Key": "__CONTENT__",
"Regex": "400|500"
}
],
"Backtracking": 0,
"MetadataType": 0,
"MetaTags": [
{
"Key": "",
"Value": ""
}
],
"PathRegex": ""
},
"AdvancedConfig": "{\"ClsAgentFileTimeout\":0}",
"Output": "6bf3355c-3c88-4566-89c8-76c3ca37bae9"
}
```

Output Example

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```
{
"Response": {
"ConfigId": "a2c6342c-270a-4468-86cf-92625e468888",
"RequestId": "a21b16c1-4da9-45a1-a612-59e5757384f3"
}
}
```

Example2 Creating Combined Parsing Configuration

This example shows you how to create combined parsing configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateConfig
<Common request parameters>
{
"Name": "my-test",
"Path": "/data/log/**/my.log",
"ExcludePaths": [],
"LogType": "user_define_log",
"UserDefineRule": "{\"processors\":[{\"type\":\"processor_split_delimiter\",\"det
ail\":{\"Delimiter\":\",\",\"ExtractKeys\":[\"time\",\"msg1\",\"msg2\"]},\"proces
sors\":[{\"type\":\"processor_timeformat\",\"detail\":{\"KeepSource\":true,\"Time
Format\":\"%s\",\"SourceKey\":\"time\"}},{\"type\":\"processor_split_delimiter\",
\"detail\":{\"KeepSource\":false,\"Delimiter\":\"|\",\"SourceKey\":\"msg1\",\"Ext
ractKeys\":[\"submsg1\",\"submsg2\",\"submsg3\"]},\"processors\":[]},{\"type\":\"
processor_split_key_value\",\"detail\":{\"KeepSource\":false,\"Delimiter\":\":\",
\"SourceKey\":\"msg2\"}}]}]}",
"ExtractRule": {
"IsGBK": 0,
"FilterKeyRegex": [],
"UnMatchUpLoadSwitch": true,
"UnMatchLogKey": "LogParseFailure",
"Backtracking": 0,
"MetadataType": 2,
"MetaTags": [
{
"Key": "mryx",
"Value": "item"
}
],
"PathRegex": ""
},
```

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```
"AdvancedConfig": "{\"ClsAgentFileTimeout\":3600}",
"Output": "6bf3355c-3c88-4566-89c8-76c3ca37bae9"
}
```

Output Example

```
{
"Response": {
"ConfigId": "xxxx-xx-xx-xx-xxxxxxxx",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

Example3 Creating Collection Rule Configuration

This example shows you how to create collection rule configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateConfig
<Common request parameters>
{
"Name": "my-test-minimalist_log",
"Path": "/data/log/**/my.log",
"ExcludePaths": [
{
"Type": "File",
"Value": "/data/log/mryx/my.log"
}
],
"LogType": "minimalist_log",
"UserDefineRule": "",
"ExtractRule": {
"IsGBK": 0,
"FilterKeyRegex": [],
"Backtracking": 0,
"MetadataType": 2,
"MetaTags": [
{
"Key": "mryx",
"Value": "item"
},
{
```

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```
"Key": "wd",
"Value": "shop"
}
],
"PathRegex": ""
},
"AdvancedConfig": "{\"ClsAgentMaxDepth\":10}",
"Output": "6bf3355c-3c88-4566-89c8-76c3ca37bae9"
}
```


Output Example


```
{
"Response": {
"ConfigId": "b5a78efe-984c-47e2-99a8-52dbd1388888",
"RequestId": "037a6def-51d4-449b-a894-7cd2410bfae1"
}
}
```


Example4 Creating Single-Line Full Regex - File Log

Input Example


```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateConfig
<Common request parameters>
{
"Name": "Single-line full regex - File log", "Path": "/data/log/**/my.log",
"ExcludePaths": [
{
"Type": "File",
"Value": "/data/log/my.log"
}
],
"LogType": "fullregex_log",
"UserDefineRule": "",
"ExtractRule": {
"IsGBK": 0,
"BeginRegex": "\\{\"\\w+\":\"\\w+\",\"\\w+\":\"\\w+\",\"\\w+\":\\{\"\\w+\"[^\"]+
([^,]+),\"\\w+\":\"/\\w+/\\w+/\\*\\*/\\w+\\.\\w+\",\"\\w+\":\\[\\{\"\\w+\":\"\\w+
\",\"\\w+\":\"/\\w+/\\w+/\\w+\\.\\w+\"\\}\\],\"\\w+\":\"\\w+\\.\\d+\\.\\d+\",\"\\
w+\":\"\\w+\",\"\\w+\":\"\\w+\",\"\\w+\":\"\",\"\\w+\":\\{\"\\w+\":\\d+,\"\\w+\":
\\[\\{\"\\w+\":\"\\w+\",\"\\w+\":\"\\d+\\|\\d+\"\\}\\],\"\\w+\":\\d+,\"\\w+\":\\d
```


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```
+,\"\\w+\":\\[\\{\"\\w+\":\"\\w+\",\"\\w+\":\"\\w+\"\\}\\],\"\\w+\":\"\",\"\\w+\"
:\\[\\]\\},\"\\w+\":\"\\{\\\\\"\\w+\\\\\":\\d+\\}\",\"\\w+\"[^\"]+([^\\}]+).*",
"LogRegex": "\\{\"\\w+\":\"\\w+\",\"\\w+\":\"\\w+\",\"\\w+\":\\{\"\\w+\"[^\"]+
([^,]+),\"\\w+\":\"/\\w+/\\w+/\\*\\*/\\w+\\.\\w+\",\"\\w+\":\\[\\{\"\\w+\":\"\\w+
\",\"\\w+\":\"/\\w+/\\w+/\\w+\\.\\w+\"\\}\\],\"\\w+\":\"\\w+\\.\\d+\\.\\d+\",\"\\
w+\":\"\\w+\",\"\\w+\":\"\\w+\",\"\\w+\":\"\",\"\\w+\":\\{\"\\w+\":\\d+,\"\\w+\":
\\[\\{\"\\w+\":\"\\w+\",\"\\w+\":\"\\d+\\|\\d+\"\\}\\],\"\\w+\":\\d+,\"\\w+\":\\d
+,\"\\w+\":\\[\\{\"\\w+\":\"\\w+\",\"\\w+\":\"\\w+\"\\}\\],\"\\w+\":\"\",\"\\w+\"
:\\[\\]\\},\"\\w+\":\"\\{\\\\\"\\w+\\\\\":\\d+\\}\",\"\\w+\"[^\"]+([^\\}]+).*",
"Keys": [
"Version",
"ConfigId"
],
"TimeKey": "log_time",
"TimeFormat": "%Y-%m-%d %H:%M:%S.%f",
"FilterKeyRegex": [
{
"Key": "key1",
"Regex": "value1"
},
{
"Key": "key2",
"Regex": "velue2"
}
],
"UnMatchUpLoadSwitch": true,
"UnMatchLogKey": "LogParseFailure",
"Backtracking": 10,
"MetadataType": 2,
"MetaTags": [
{
"Key": "mryx",
"Value": "item"
}
],
"PathRegex": ""
},
"AdvancedConfig": "{\"ClsAgentMaxDepth\":10,\"ClsAgentFileTimeout\":3600}",
"Output": "6bf3355c-3c88-4566-89c8-76c3ca37bae9"
}
```


Output Example


```
{
"Response": {
"ConfigId": "8e63fe9a-5f36-49b0-bdbf-ab1c29e58888",
```


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```
"RequestId": "420f4f07-2134-4167-9442-9ac6c6ffe3d8"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.ConfigConflict	The same collection configuration rule already exists.
InvalidParameterValue	Incorrect parameter value.

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Error Code	Description
LimitExceeded.Config	The collection rule configuration exceeds the maximum value limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DeleteConfig

Last updated：2024-04-15 19:58:41

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete collection rule configuration.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteConfig.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ConfigId	Yes	String	Collection rule configuration ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting Collection Rule Configuration

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteConfig
<Common request parameters>

{
"ConfigId": "xxxxxxxxxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.

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ModifyConfig

Last updated：2024-04-19 10:04:09

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify collection rule configuration.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyConfig
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this AP
ConfigId	Yes	String	Collection rule configuration ID, accessed through Access c
Name	No	String	Collection rule configuration name
Path	No	String	Log collection path containing the filename

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Parameter Name	Required	Type	Description
LogType	No	String	The types of logs collected. Supported types are: - json_log: JSON File Log (For more information, see Using File Logs (For more information, see Using delimiter pattern Log (For more information, see Using single-line full-text pat expression - File log (For more information, see Using single logs);- multiline_log: Multiline Full-text File Log (For more inf logs);- multiline_fullregex_log: Multi-line complete regular ex multi-line - complete regular expression pattern to collect log with multiple nested formats, see Using combined parsing p (For more information, see Collect Syslog);- windows_event Collect Windows Event Log).
ExtractRule	No	ExtractRuleInfo	Extraction rule. If `ExtractRule` is set, `LogType` mus
ExcludePaths.N	No	Array of ExcludePathInfo	Collection path blocklist
Output	No	String	Log topic (TopicId) associated with collection configuration
UserDefineRule	No	String	Custom parsing string, serialized as a JSON string.
AdvancedConfig	No	String	Advanced collection configuration. A JSON string, Key/Valu - ClsAgentFileTimeout (timeout property), value range: an in timeout- ClsAgentMaxDepth (maximum directory depth), val - ClsAgentParseFailMerge (merge logs that failed parsing), Sample: `{\"ClsAgentFileTimeout\":0,\"ClsAgentMaxDe`

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

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Example1 Modifying Collection Rule Configuration

FilterKeyRegex: Loglistener log filter rule list (earlier version), log keys that need to be filtered and their corresponding regex. Note: For LogListener versions 2.9.3 and later, it's recommended to use the AdvanceFilterRules configuration for log filtering.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyConfig
<Common request parameters>
{
"Path": "/data/log/**/my.log",
"ExcludePaths": [
{
"Type": "Path",
"Value": "/data/log/my.log"
}
],
"Name": "test2.8.8",
"LogType": "minimalist_log",
"UserDefineRule": "",
"ExtractRule": {
"IsGBK": 0,
"FilterKeyRegex": [
{
"Key": "__CONTENT__",
"Regex": "400|500"
}
],
"Backtracking": 0,
"MetadataType": 2,
"MetaTags": [
{
"Key": "mryx",
"Value": "item"
}
],
"PathRegex": ""
},
"AdvancedConfig": "{\"ClsAgentFileTimeout\":3600}",
"ConfigId": "a2c6342c-270a-4468-86cf-92625e466401"
}
```

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Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.

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Error Code	Description
InvalidParameter.ConfigConflict	The same collection configuration rule already exists.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeConfigs

Last updated：2024-04-15 19:58:40

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get collection rule configuration.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeConfigs.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	configName - Filter by fuzzy match of **collection configuration name** - Type: String - Required: No configId - Filter by **collection configuration ID** - Type: String - Required: No topicId

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			- Filter by **log topic** - Type: String - Required: No Each request can contain up to 10 `Filters` and 5 `Filter.Values` .
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100

3. Output Parameters

Parameter Name	Type	Description
Configs	Array of ConfigInfo	Collection configuration list Note: this field may return `null` , indicating that no valid values can be obtained.
TotalCount	Integer	Total number of filtered items
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting Collection Configuration

This example shows you how to get the collection configuration details by topic ID.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeConfigs
<Common request parameters>
{
"Filters": [
{
"Key": "topicId",
```

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```
"Values": [
"97e8a872-xxxx-4644-9d3c-603d95051458"
]
}
],
"Offset": 0,
"Limit": 10
}
```

Output Example

```
{
"Response": {
"Configs": [
{
"ConfigId": "02f11930-xxxx-4dca-8c9b-b6a147223945",
"Name": "test",
"LogFormat": "",
"Path": "/test/**/test",
"LogType": "minimalist_log",
"ExtractRule": {
"TimeKey": "",
"TimeFormat": "",
"Delimiter": "",
"LogRegex": "",
"BeginRegex": "",
"Keys": null,
"FilterKeyRegex": [],
"UnMatchUpLoadSwitch": false,
"UnMatchLogKey": null,
"Backtracking": 0,
"IsGBK": 0,
"JsonStandard": 0,
"Protocol": "",
"Address": "",
"ParseProtocol": "",
"MetadataType": 0,
"PathRegex": "",
"MetaTags": []
},
"ExcludePaths": null,
"Output": "97e8a872-xxxx-4644-9d3c-603d95051458",
"UpdateTime": "2022-09-02 14:26:49",
"CreateTime": "2022-09-02 14:26:49",
"UserDefineRule": ""
}
```

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```
],
"TotalCount": 2,
"RequestId": "6eff3561-xxxx-4502-b625-3eb26c4ab450"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.

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MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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ApplyConfigToMachineGroup

Last updated：2024-04-15 19:58:42

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to apply the collection configuration to a specified machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ApplyConfigToMachineGroup.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ConfigId	Yes	String	Collection configuration ID
GroupId	Yes	String	Machine group ID

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Applying Collection Configuration to a Specified Machine Group

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ApplyConfigToMachineGroup
<Common request parameters>

{
"ConfigId": "xxxxxxxxxx",
"GroupId": "xxx-xxx-xxxxxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.

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DeleteConfigFromMachineGroup

Last updated：2024-04-15 19:58:41

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete the collection configuration applied to a machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteConfigFromMachineGroup.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	Machine group ID
ConfigId	Yes	String	Collection configuration ID

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting Collection Configuration Applied to a Machine Group

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteConfigFromMachineGroup
<Common request parameters>

{
"GroupId": "xxx-xxx-xxxxxx",
"ConfigId": "xxxxxxxxxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.

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DescribeConfigMachineGroups

Last updated：2024-04-15 19:58:41

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the machine group bound to collection rule configuration.

A maximum of 1000 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeConfigMachineGroups.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ConfigId	Yes	String	Collection configuration ID

3. Output Parameters

Parameter Name	Type	Description
MachineGroups	Array of	List of machine groups bound to the collection rule configuration

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	MachineGroupInfo	Note: this field may return `null`, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the Machine Group Bound to Collection Rule Configuration

This example shows you how to get the machine group bound to collection rule configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeConfigMachineGroups
<Common request parameters>
{
"ConfigId": "xxxxxxxxxx"
}
```

Output Example

```
{
"Response": {
"MachineGroups": [
{
"GroupId": "xxxx-xx-xx-xx-yyyyyyyy",
"GroupName": "testgroup",
"MachineGroupType": {
"Type": "ip",
"Values": [
"10.10.1.119"
]
},
"CreateTime": "xx"
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
```

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```
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.

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OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.

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DescribeMachineGroupConfigs

Last updated：2024-04-15 19:58:40

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the collection rule configuration bound to a machine group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeMachineGroupConfigs.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
GroupId	Yes	String	Machine group ID

3. Output Parameters

Parameter Name	Type	Description
Configs	Array of	Collection rule configuration list

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	ConfigInfo	Note: this field may return `null` , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting Collection Rule Configuration Bound to a Machine Group

This example shows you how to get collection rule configuration bound to a machine group.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeMachineGroupConfigs
<Common request parameters>

{
"GroupId": "01fd5bcc-d7d4-4edb-9ff5-7ecfc305b831"
}
```

Output Example

```
{
"Response": {
"Configs": [
{
"ConfigId": "xxxx-xx-xx-xx-yyyyyyyy",
"Name": "testname",
"Path": "/abc/log/test.log",
"LogType": "delimiter_log",
"ExtractRule": {
"TimeKey": "date",
"TimeFormat": "%Y-%m-%d %H:%M:%S",
"Delimiter": "|",
"LogRegex": ".*",
"BeginRegex": "^",
"Keys": [
"date",
"",
"content"
```

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```
],
"FilterKeyRegex": [
{
"Key": "xx",
"Regex": "xxxx"
}
],
"UnMatchLogKey": "testlog",
"UnMatchUpLoadSwitch": true
},
"UpdateTime": "2017-08-08 12:12:12",
"CreateTime": "2017-08-08 12:12:12"
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

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Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.

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Log APIs
SearchLog

Last updated：2024-04-15 19:58:32

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to search and analyze logs. When using this API, please note the following:1. Besides being subject to the default API request frequency limit by this API, for a single log topic, the concurrency number cannot exceed 15.
2. For search syntax, it's recommended to use the CQL syntax rule. Please use the SyntaxRule parameter and set its value to 1.
3. The maximum value of API's response data packet is 49MB. It is recommended to enable gzip compression (HTTP Request Header Accept-Encoding: gzip).

A maximum of 10000 requests can be initiated per second for this API.

This action accepts http content encodings: gzip

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SearchLog.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not

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			required for this API.
From	Yes	Integer	Start time of the log to be searched, which is a Unix timestamp in milliseconds
To	Yes	Integer	End time of the log to be searched, which is a Unix timestamp in milliseconds
Query	Yes	String	Search and analysis statement. Maximum length: 12 KB A statement is in the format of [search criteria] | [SQL statement]. You can omit the pipe symbol `|` and SQL statement when log analysis is not required. Queries all logs using * or an empty string
SyntaxRule	No	Integer	Retrieval syntax rule, default is 0, recommended to use 1 (CQL syntax).0: Lucene syntax, 1: CQL syntax. For detailed explanation, refer to Retrieve Syntax Rules
TopicId	No	String	- The ID of the log topic to be searched for. Only one log topic can be specified. - To search for multiple log topics at a time, use the `Topics` parameter.
Topics.N	No	Array of MultiTopicSearchInformation	- The IDs of the log topics (up to 20) to be searched for. - To search for a single log topic, use the `TopicId` parameter. - You cannot use both `TopicId` and `Topics`.
Limit	No	Integer	Specifies the number of raw logs returned in a single query, default is 100, maximum is 1000. To obtain subsequent logs, use the Context parameter.Note:* This is only valid when the search and analysis statement (Query) does not contain SQL* Method for specifying SQL result count refers to SQL LIMIT Syntax
Sort	No	String	Time order of the logs returned. Valid values: `asc` (ascending); `desc`: (descending). Default value: `desc` Notes:

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			* This parameter is valid only when the query statement (`Query`) does not contain an SQL statement. * To sort the analysis results, see SQL ORDER BY Syntax.
Context	No	String	Pass the Context value returned by the last API call to retrieve more subsequent logs. A total of up to 10,000 raw logs can be obtained, with an expiration time of 1 hour.Note:* When passing this parameter, do not modify any other parameters except for this one* Only applicable for single log topic retrieval. When retrieving multiple log topics, use the Context in Topics.* This is only valid when the retrieval analysis statement (Query) does not contain SQL. For obtaining subsequent SQL results, refer to SQL LIMIT Syntax
SamplingRate	No	Float	Indicates whether to sample raw logs before statistical analysis (`Query` includes SQL statements). `0` : Auto-sample. `0-1` : Sample by the specified sample rate, such as `0.02` . `1` : Precise analysis without sampling. Default value: `1`
UseNewAnalysis	No	Boolean	If the value is `true` , the new response method will be used, and the output parameters `AnalysisRecords` and `Columns` will be valid. If the value is `false` , the old response method will be used, and the output parameters `AnalysisResults` and `ColNames` will be valid. The two response methods differ slightly in terms of encoding format. You are advised to use the new method (`true`).

3. Output Parameters

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Parameter Name	Type	Description
Context	String	Pass through the Context value returned by this API, which can access more logs later, with an expiration time of 1 hour.Note:* Applicable only for single log topic searches. When searching multiple log topics, please use the Context in Topics.
ListOver	Boolean	Whether to return all raw log query results. If not, you can use `Context` to continue to get logs. Note: This parameter is valid only when the query statement (`Query`) does not contain an SQL statement.
Analysis	Boolean	Whether the returned data is the analysis (SQL) result
Results	Array of LogInfo	Raw logs that meet the search conditions Note: This field may return `null` , indicating that no valid value was found.
ColNames	Array of String	Column names of log analysis This parameter is valid only when `UseNewAnalysis` is `false` . Note: This field may return `null` , indicating that no valid value was found.
AnalysisResults	Array of LogItems	Log analysis result This parameter is valid only when `UseNewAnalysis` is `false` . Note: This field may return `null` , indicating that no valid value was found.
AnalysisRecords	Array of String	Log analysis result This parameter is valid only when `UseNewAnalysis` is `true` . Note: This field may return `null` , indicating that no valid value was found.
Columns	Array of Column	Column attributes of log analysis This parameter is valid only when `UseNewAnalysis` is `true` . Note: This field may return `null` , indicating that no valid value was found.
SamplingRate	Float	Sample rate used in this statistical analysis Note: This field may return null, indicating that no valid values can be obtained.
Topics	SearchLogTopics	Refers to the basic information of each log topic when multiple log topics are used for search, such as error messages.Note: This field

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		may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Logs

This example shows you how to query the logs with HTTP response status code (http_code) of 200.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: SearchLog
<Common request parameters>

{
"TopicId": "601c2a87-ca8e-49c9-xxxx-27286a970db5",
"From": 1679901909686,
"To": 1679902809686,
"Query": "http_code:\"200\"",
"Limit": 1,
"Sort": "desc",
"UseNewAnalysis": true,
"SyntaxRule": 1
}
```

Output Example

```
{
"Response": {
"Context": "Y29udGV4dC0zZDVmZGI2NC1jNDZkLTQ2NzktYWM2OC1jYzg2NjUxYmVlMWExNjc5OTAyODEwNDM0",
"ListOver": false,
"Analysis": false,
"ColNames": [],
"Columns": null,
"Results": [
{
```

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```
"Time": 1679902806070,
"TopicId": "601c2a87-ca8e-49c9-xxxx-27286a970db5",
"TopicName": "CDN Demo access log log Topic _10000100xxxx",
"Source": "",
"FileName": "",
"HostName": "",
"PkgId": "",
"PkgLogId": "",
"LogJson": "{\"referer\":\"http://qwunsag.2022.qq.com/prizes? activity_code=AVGCH
aQFX02Eb\",\"method\":\"GET\",\"isp\":\"China Unicom\",\"remote_port\":\"45088
\",\"ua\":\"Mozilla/5.0 (Linux; Android 9; INE-AL00 Build/HUAWEIINE-AL00; wv) App
leWebKit/537.36 (KHTML, like Gecko) Version/4.0 Chrome/86.0.4240.99 XWEB/3211 MMW
EBSDK/20210601 Mobile Safari/537.36 MMWEBID/6389 MicroMessenger/8.0.11.1980(0x280
00B5B) Process/toolsmp WeChat/arm64 Weixin NetType/WIFI Language/zh_CN ABI/arm64
\",\"uuid\":\"acf1010c853f4a24bb3e92cc34e283e2\",\"version\":\"1\",\"file_size
\":\"186358\",\"url\":\"/loxtxt/979884858.png\",\"request_range\":\"-\",\"rsp_siz
e\":\"186830\",\"hit\":\"hit\",\"request_time\":\"2808\",\"http_code\":\"200
\",\"param\":\"-\",\"sys_address\":\"9.130.154.208\",\"proto\":\"HTTPS\",\"host
\":\"test.2022.cls.cn\",\"sys_datasource\":\"cq.3.4.v1.2.17\",\"client_ip\":\"11
6.116.247.167\",\"time\":\"1679902806070\",\"app_id\":\"1302700768\",\"prov\":\"I
nner Mongolia Autonomous Region\",\"timestamp\":\"2023-03-27T15:40:06+08:00\"}",
"RawLog": "",
"IndexStatus": ""
}
],
"AnalysisResults": [],
"AnalysisRecords": null,
"RequestId": "79f593e5-1374-4463-xxxx-c49d0b3c5290",
"SamplingRate": 0,
"Topics": null
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InvalidContext	The search cursor is invalid or does not exist.
FailedOperation.QueryError	The query statement failed to run.
FailedOperation.SearchTimeout	The query timed out.
FailedOperation.SyntaxError	An error occurred while parsing the query statement.
FailedOperation.Timeout	Operation timed out
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InternalError.SearchError	Retrieval error
InternalError.SearchFailed	Retrieval failed
InvalidParameter	Incorrect parameter.
LimitExceeded.LogSearch	The number of concurrent queries exceeds the limit, which is 15 per topic.
LimitExceeded.SearchResources	Out of search memory.
LimitExceeded.SearchResultTooLarge	The number of logs returned by the search API exceeds the upper limit (20 MB).
MissingParameter	Missing parameter.

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OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.NewSyntaxNotSupported	New syntax is not supported.
OperationDenied.OperationNotSupportInSearchLow	The operation is not supported in IA storage.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeLogHistogram

Last updated：2024-04-15 19:58:33

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get a log count histogram.

A maximum of 10000 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeLogHistogram.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
From	Yes	Integer	Start time of the log to be queried, which is a Unix timestamp in milliseconds
To	Yes	Integer	End time of the log to be queried, which is a Unix timestamp in milliseconds
Query	Yes	String	Query statement
TopicId	No	String	ID of the log topic to be queried
Interval	No	Integer	Interval in milliseconds. Condition: (To-From) / Interval <= 200

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SyntaxRule	No	Integer	Search syntax. Valid values: `0` (default): Lucene; `1` : CQL For more information, see Search Syntax.

3. Output Parameters

Parameter Name	Type	Description
Interval	Integer	Statistical period in milliseconds
TotalCount	Integer	The number of logs that hit the keywords
HistogramInfos	Array of HistogramInfo	Statistical result details within the period
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting a Log Count Histogram

This example shows you how to get a log count histogram by specified conditions.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeLogHistogram
<Common request parameters>

{
"From": 1685086740862,
"To": 1685087640862,
"Interval": 30000,
"TopicId": "2e7b5c4d-1be3-484a-xxxx-8705adb56dcd",
"Query": "",
```

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```
"SyntaxRule": 1
}
```

Output Example

```
{
"Response": {
"TotalCount": 14,
"Interval": 30000,
"HistogramInfos": [
{
"Count": 0,
"BTime": 1685086740000
},
{
"Count": 0,
"BTime": 1685086770000
},
{
"Count": 0,
"BTime": 1685086800000
},
{
"Count": 0,
"BTime": 1685086830000
},
{
"Count": 0,
"BTime": 1685086860000
},
{
"Count": 0,
"BTime": 1685086890000
},
{
"Count": 0,
"BTime": 1685086920000
},
{
"Count": 0,
"BTime": 1685086950000
},
{
"Count": 0,
"BTime": 1685086980000
},
```

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```
{
"Count": 0,
"BTime": 1685087010000
},
{
"Count": 0,
"BTime": 1685087040000
},
{
"Count": 0,
"BTime": 1685087070000
},
{
"Count": 0,
"BTime": 1685087100000
},
{
"Count": 0,
"BTime": 1685087130000
},
{
"Count": 0,
"BTime": 1685087160000
},
{
"Count": 0,
"BTime": 1685087190000
},
{
"Count": 0,
"BTime": 1685087220000
},
{
"Count": 0,
"BTime": 1685087250000
},
{
"Count": 0,
"BTime": 1685087280000
},
{
"Count": 0,
"BTime": 1685087310000
},
{
"Count": 0,
"BTime": 1685087340000
```


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```
},
{
"Count": 0,
"BTime": 1685087370000
},
{
"Count": 0,
"BTime": 1685087400000
},
{
"Count": 0,
"BTime": 1685087430000
},
{
"Count": 0,
"BTime": 1685087460000
},
{
"Count": 0,
"BTime": 1685087490000
},
{
"Count": 0,
"BTime": 1685087520000
},
{
"Count": 0,
"BTime": 1685087550000
},
{
"Count": 0,
"BTime": 1685087580000
},
{
"Count": 14,
"BTime": 1685087610000
},
{
"Count": 0,
"BTime": 1685087640000
}
],
"RequestId": "4279ae1f-cbd6-438b-xxxx-6df5a8152afd"
}
}
```


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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InvalidContext	The search cursor is invalid or does not exist.
FailedOperation.QueryError	The query statement failed to run.
FailedOperation.SearchTimeout	The query timed out.
FailedOperation.SyntaxError	An error occurred while parsing the query statement.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InternalError.SearchError	Retrieval error

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InternalError.SearchFailed	Retrieval failed
InvalidParameter	Incorrect parameter.
LimitExceeded.LogSearch	The number of concurrent queries exceeds the limit, which is 15 per topic.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.NewSyntaxNotSupported	New syntax is not supported.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeLogContext

Last updated：2024-04-15 19:58:33

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to search for content near the log context. For more details, see Context Search.The maximum value of API's return data packet is 49MB. It is recommended to enable gzip compression (HTTP Request Header Accept-Encoding: gzip).

A maximum of 20 requests can be initiated per second for this API.

This action accepts http content encodings: gzip

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeLogContext.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID to be queried
BTime	Yes	String	Log time in the format of YYYY-mm-dd HH:MM:SS.FFF
PkgId	Yes	String	Log package sequence number. PkgId in the Results structure of the returned information of SearchLog API.
PkgLogId	Yes	Integer	Sequence number of a log within the log package.

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			The PkgLogId in the Results structure of the SearchLog API returned information.
PrevLogs	No	Integer	The previous ${PrevLogs} logs. Default value: 10.
NextLogs	No	Integer	The next ${NextLogs} logs. Default value: 10.

3. Output Parameters

Parameter Name	Type	Description
LogContextInfos	Array of LogContextInfo	Log context information set
PrevOver	Boolean	Whether the previous logs have been fully returned (PrevOver is false indicates that some previous logs are yet to be returned).
NextOver	Boolean	Whether the subsequent logs have been fully returned (NextOver is false indicates that some subsequent logs are yet to be returned).
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the Context of a Log

This example shows you how to query the context of a log.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeLogContext
<Common request parameters>

{
"TopicId": "682d0718-07bb-4ec0-9fda-f1e9a2767e0b",
"BTime": "2021-04-25 14:25:00.000",
```

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```
"PkgId": "528C1318606EFEB8-1A7",
"PkgLogId": 65536,
"PrevLogs": 10,
"NextLogs": 10
}
```

Output Example

```
{
"Response": {
"NextOver": false,
"PrevOver": false,
"LogContextInfos": [
{
"Content": "xxxxxxx",
"HostName": "abc",
"Filename": "/usr/local/services/cls_cgi_api3-1.0/log/cls_cgi.log.20210425",
"PkgId": "528C1318606EFEB8-1A0",
"PkgLogId": 196609,
"Source": "100.105.60.255",
"BTime": 323232323
},
{
"Content": "x1x2x3",
"HostName": "abcd",
"Filename": "/usr/local/services/cls_cgi_api3-1.0/log/cls_cgi.log.20210425",
"PkgId": "528C1318606EFEB8-1A1",
"PkgLogId": 196609,
"Source": "100.105.60.255",
"BTime": 323232323
}
],
"RequestId": "b276cb6e-4687-11eb-b378-0242ac130002"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InvalidContext	The search cursor is invalid or does not exist.
FailedOperation.QueryError	The query statement failed to run.
FailedOperation.SearchTimeout	The query timed out.
FailedOperation.SyntaxError	An error occurred while parsing the query statement.
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.
InternalError.SearchFailed	Retrieval failed
InvalidParameter	Incorrect parameter.
LimitExceeded.LogSearch	The number of concurrent queries exceeds the limit, which is 15 per topic.
LimitExceeded.SearchResultTooLarge	The number of logs returned by the search API exceeds the upper limit (20 MB).
MissingParameter	Missing parameter.
OperationDenied	Operation denied.

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OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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UploadLog

Last updated：2024-04-15 19:58:32

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

Note

To ensure log data reliability and help you use CLS more efficiently, we recommend you use the optimized API to upload logs. For more information about the API, see Uploading Log via API.

For the optimized API, we have developed an SDK (available in multiple languages) that provides features including async sending, resource control, automatic retry, graceful shutdown, and detection-based reporting. For details, see Uploading Log via SDK.

`UploadLog` allows you to synchronously upload log data. If you still want to continue to use this API instead of the optimized one, read this document.

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 sequential consumption is not needed.

Hash routing mode

In this mode, data will be written to a target partition that meets the range requirements based on the carried hash value (`X-CLS-HashKey`). 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.

Input parameters (pb binary streams in `body`)

Parameter	Type	Location	Required	Description

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logGroupList	message	pb	Yes	The `logGroup` list, which describes the encapsulated log groups. We recommend you enter up to five `logGroup` values.

`LogGroup` description:

Parameter	Required	Description
logs	Yes	Log array consisting of multiple `Log` values. The `Log` indicates a log, and a `LogGroup` can contain up to 10,000 `Log` values.
contextFlow	No	Unique `LogGroup` ID, which should be passed in if the context feature needs to be used. Format: "{Context ID}-{LogGroupID}". Context ID: Uniquely identifies the context (a series of log files that are continuously scrolling or a series of logs that need to be sequenced), which is a 64-bit integer hex string. LogGroupID: A 64-bit integer hex string that continuously increases, such as `102700A66102516A-59F59`.
filename	No	Log filename
source	No	Log source, which is generally the machine IP
logTags	No	List of log tags

`Log` description:

Parameter	Required	Description
time	Yes	Unix timestamp of log time in seconds or milliseconds (recommended)
contents	No	Log content in key-value format. A log can contain multiple key-value pairs.

`Content` description:

Parameter	Required	Description
key	Yes	Key of a field group in one log, which cannot start with `_`.
value	Yes	Value of a field group. The `value` of one log cannot exceed 1 MB and the total `value` in `LogGroup` cannot exceed 5 MB.

`LogTag` description:

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

pb Compilation Example

This example shows you how to use the protoc compiler to compile a 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, see protoc.

1. Install protocol buffers

Download Protocol Buffers, decompress the package, and install the tool. The version used in the example is protobuf 2.6.1 running on CentOS 7.3. Run the following command to decompress the `protobuf-2.6.1.tar.gz` package to the `/usr/local` directory and go to the directory:

```
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
liprotoc 2.6.1
```

2. Create a pb description file

A pb description file is an agreed-on data interchange format for communication. To upload logs, compile the specified protocol format to an API in the target programming language and add the API to the project code. For more information, see protoc.

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

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⚠ 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 machine IP
repeated LogTag logTags = 5;
}

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

3. Compile and generate the API

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

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

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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 generated. This example 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 encapsulation.

A maximum of 100000 requests can be initiated per second for this API.

Note: this API can only use HTTP method POST with application/octet-stream content type.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.
Note: this API only supports the application/octet-stream type, and can only be called using the signature method V3, and the request parameters must be placed in the request header.

Parameter Name	Required	Type	Description
X-TC-Action	Yes	String	Common Params. The value used for this API: UploadLog.
X-TC-Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
X-TC-Region	No	String	Common Params. This parameter is not required for this API.
X-CLS-TopicId	Yes	String	Topic ID
X-CLS-HashKey	No	String	Topic partition where data will be written into by `HashKey`
X-CLS-CompressType	No	String	Compression type

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Uploading Logs

This example shows you how to upload logs.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/octet-stream
X-TC-Action: UploadLog
<Common request parameters>

{
"HashKey": "abc",
"TopicId": "abc",
"CompressType": "abc"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.MissingContent	Invalid `Content` .
FailedOperation.ReadQpsLimit	The read QPS exceeds the limit.
FailedOperation.TopicClosed	The log topic has been disabled.
FailedOperation.TopicIsolated	The log topic has been isolated.
FailedOperation.WriteQpsLimit	The write QPS exceeds the limit.
FailedOperation.WriteTrafficLimit	The write traffic exceeds the limit.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.Content	Invalid `Content` .
LimitExceeded.LogSize	The log size exceeds the limit.
LimitExceeded.Tag	The number of tags exceeds the limit.

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MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.PartitionNotExist	The partition does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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CreateExport

Last updated：2024-04-15 19:58:34

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a download task. To get the returned download address, call DescribeExports to view the task list. The CosPath parameter is also included for download address. For more information, visit https://intl.cloud.tencent.com/document/product/614/56449.?from_cn_redirect=1

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateExport.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
Count	Yes	Integer	Number of logs to be exported. Maximum value: 50 million
Query	Yes	String	Search statements for log export. [SQL statements] are not supported.
From	Yes	Integer	Start time of the log to be exported, which is a timestamp in milliseconds
To	Yes	Integer	End time of the log to be exported, which is a timestamp in milliseconds

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Order	No	String	Exported log sorting order by time. Valid values: `asc` : ascending; `desc` : descending. Default value: `desc`
Format	No	String	Exported log data format. Valid values: `json` , `csv` . Default value: `json`
SyntaxRule	No	Integer	Syntax rules; the default value is 0.0: Lucene syntax; 1: CQL syntax.

3. Output Parameters

Parameter Name	Type	Description
ExportId	String	Log export ID.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Log Export Task

This example shows you how to create a download task. To get the returned download address, call `DescribeExports` to view the task list. The `CosPath` parameter is also included for download address.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateExport
<Common request parameters>

{
"TopicId": "ee20bb16-3025-4048-b81a-dd436373062e",
"Query": "status:200",
"Count": 100,
"Order": "desc",
"Format": "json",
"From": 1607499107000,
```

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```
"To": 1607499207000
}
```

Output Example

```
{
"Response": {
"ExportId": "57196a6a-7622-47be-bc92-d2ebea959a0f",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TopicClosed	The log topic has been disabled.

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InternalError	Internal error.
InvalidParameter	Incorrect parameter.
LimitExceeded.Export	The number of log export tasks has exceeded the limit.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DeleteExport

Last updated：2024-04-15 19:58:34

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a log download task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteExport.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ExportId	Yes	String	Log export ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting a Log Export Task

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteExport
<Common request parameters>

{
"ExportId": "57196a6a-7622-47be-bc92-d2ebea959a0f"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ExportNotExist	The log export does not exist.

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DescribeExports

Last updated：2024-04-15 19:58:33

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of log download tasks.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeExports.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100

3. Output Parameters

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Parameter Name	Type	Description
Exports	Array of ExportInfo	List of exported logs
TotalCount	Integer	Total number
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the List of Log Export Jobs

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeExports
<Common request parameters>

{
"TopicId": "ee20bb16-3025-4048-b81a-dd436373062e",
"Offset": 0,
"Limit": 5
}
```

Output Example

```
{
"Response": {
"Exports": [
{
"TopicId": "ee20bb16-3025-4048-b81a-dd436373062e",
"ExportId": "export-57196a6a-7622-47be-bc92-d2ebea959a0f",
"Query": "status:200",
"FileName": "log_2075178708_ee20bb16-3025-4048-b81a-dd436373062f_20210107_xxxxxx_
1610001073.tar.gz",
"CosPath": "https://clstest01-xxxxxx.cos.ap-shanghai.myqcloud.com/xxxxxx",
"FileSize": 6112993,
"Order": "desc",
```

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```
"Format": "json",
"Count": 100000,
"Status": "Completed",
"From": 1607499207000,
"To": 1607499207000,
"CreateTime": "2020-08-08 12:12:12"
}
],
"TotalCount": 1,
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.

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FailedOperation.TopicClosed	The log topic has been disabled.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ExportNotExist	The log export does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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Metric APIs
QueryMetric

Last updated：2024-04-15 19:58:29

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to query the latest metric value at a specified time.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: QueryMetric.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Query	Yes	String	Query statement, using PromQL syntax
TopicId	Yes	String	Metric Topic ID
Time	No	Integer	Query time, Unix Timestamp in seconds

3. Output Parameters

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Parameter Name	Type	Description
ResultType	String	Metric Query Result Type
Result	String	Metric Query Result
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the Latest Value of a Metric

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: QueryMetric
<Common request parameters>
{
"TopicId": "8e7c3bd9-xxxx-xxxx-xxxx-207971e1f80f",
"Query": "access_evaluation_duration_bucket",
"Time": 1695197431
}
```

Output Example

```
{
"Response": {
"RequestId": "1ee38aa1-xxxx-xxxx-xxxx-b1961a464c99",
"ResultType": "vector",
"Result": "[{\"metric\":{\"__name__\":\"access_evaluation_duration_bucket\",\"con
tainer\":\"grafana\",\"endpoint\":\"http\",\"instance\":\"172.17.0.6:3000\",\"job
\":\"grafana\",\"le\":\"0.00064\",\"namespace\":\"monitoring\",\"pod\":\"grafana-
6676ccf9c9-zjk62\",\"prometheus\":\"monitoring/k8s\",\"prometheus_replica\":\"pro
metheus-k8s-0\",\"service\":\"grafana\"},\"value\":[1695197431,\"5808\"]},{\"metr
ic\":{\"__name__\":\"access_evaluation_duration_bucket\",\"container\":\"grafana
\",\"endpoint\":\"http\",\"instance\":\"172.17.0.6:3000\",\"job\":\"grafana\",\"l
e\":\"0.01024\",\"namespace\":\"monitoring\",\"pod\":\"grafana-6676ccf9c9-zjk62
\",\"prometheus\":\"monitoring/k8s\",\"prometheus_replica\":\"prometheus-k8s-0
\",\"service\":\"grafana\"},\"value\":[1695197431,\"5808\"]},{\"metric\":{\"__nam
```

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```
e__\":\"access_evaluation_duration_bucket\",\"container\":\"grafana\",\"endpoint
\":\"http\",\"instance\":\"172.17.0.6:3000\",\"job\":\"grafana\",\"le\":\"0.04096
\",\"namespace\":\"monitoring\",\"pod\":\"grafana-6676ccf9c9-zjk62\",\"prometheus
\":\"monitoring/k8s\",\"prometheus_replica\":\"prometheus-k8s-0\",\"service\":\"g
rafana\"},\"value\":[1695197431,\"5808\"]},{\"metric\":{\"__name__\":\"access_eva
luation_duration_bucket\",\"container\":\"grafana\",\"endpoint\":\"http\",\"insta
nce\":\"172.17.0.6:3000\",\"job\":\"grafana\",\"le\":\"0.65536\",\"namespace
\":\"monitoring\",\"pod\":\"grafana-6676ccf9c9-zjk62\",\"prometheus\":\"monitorin
g/k8s\",\"prometheus_replica\":\"prometheus-k8s-0\",\"service\":\"grafana\"},\"va
lue\":[1695197431,\"5808\"]},{\"metric\":{\"__name__\":\"access_evaluation_durati
on_bucket\",\"container\":\"grafana\",\"endpoint\":\"http\",\"instance\":\"172.1
7.0.6:3000\",\"job\":\"grafana\",\"le\":\"2.62144\",\"namespace\":\"monitoring
\",\"pod\":\"grafana-6676ccf9c9-zjk62\",\"prometheus\":\"monitoring/k8s\",\"prome
theus_replica\":\"prometheus-k8s-0\",\"service\":\"grafana\"},\"value\":[16951974
31,\"5808\"]},{\"metric\":{\"__name__\":\"access_evaluation_duration_bucket\",\"c
ontainer\":\"grafana\",\"endpoint\":\"http\",\"instance\":\"172.17.0.6:3000\",\"j
ob\":\"grafana\",\"le\":\"0.00016\",\"namespace\":\"monitoring\",\"pod\":\"grafan
a-6676ccf9c9-zjk62\",\"prometheus\":\"monitoring/k8s\",\"prometheus_replica\":\"p
rometheus-k8s-0\",\"service\":\"grafana\"},\"value\":[1695197431,\"5805\"]},{\"me
tric\":{\"__name__\":\"access_evaluation_duration_bucket\",\"container\":\"grafan
a\",\"endpoint\":\"http\",\"instance\":\"172.17.0.6:3000\",\"job\":\"grafana
\",\"le\":\"+Inf\",\"namespace\":\"monitoring\",\"pod\":\"grafana-6676ccf9c9-zjk6
2\",\"prometheus\":\"monitoring/k8s\",\"prometheus_replica\":\"prometheus-k8s-0
\",\"service\":\"grafana\"},\"value\":[1695197431,\"5808\"]},{\"metric\":{\"__nam
e__\":\"access_evaluation_duration_bucket\",\"container\":\"grafana\",\"endpoint
\":\"http\",\"instance\":\"172.17.0.6:3000\",\"job\":\"grafana\",\"le\":\"0.00256
\",\"namespace\":\"monitoring\",\"pod\":\"grafana-6676ccf9c9-zjk62\",\"prometheus
\":\"monitoring/k8s\",\"prometheus_replica\":\"prometheus-k8s-0\",\"service\":\"g
rafana\"},\"value\":[1695197431,\"5808\"]},{\"metric\":{\"__name__\":\"access_eva
luation_duration_bucket\",\"container\":\"grafana\",\"endpoint\":\"http\",\"insta
nce\":\"172.17.0.6:3000\",\"job\":\"grafana\",\"le\":\"0.16384\",\"namespace
\":\"monitoring\",\"pod\":\"grafana-6676ccf9c9-zjk62\",\"prometheus\":\"monitorin
g/k8s\",\"prometheus_replica\":\"prometheus-k8s-0\",\"service\":\"grafana\"},\"va
lue\":[1695197431,\"5808\"]},{\"metric\":{\"__name__\":\"access_evaluation_durati
on_bucket\",\"container\":\"grafana\",\"endpoint\":\"http\",\"instance\":\"172.1
7.0.6:3000\",\"job\":\"grafana\",\"le\":\"1e-05\",\"namespace\":\"monitoring
\",\"pod\":\"grafana-6676ccf9c9-zjk62\",\"prometheus\":\"monitoring/k8s\",\"prome
theus_replica\":\"prometheus-k8s-0\",\"service\":\"grafana\"},\"value\":[16951974
31,\"5593\"]},{\"metric\":{\"__name__\":\"access_evaluation_duration_bucket\",\"c
ontainer\":\"grafana\",\"endpoint\":\"http\",\"instance\":\"172.17.0.6:3000\",\"j
ob\":\"grafana\",\"le\":\"4e-05\",\"namespace\":\"monitoring\",\"pod\":\"grafana-
6676ccf9c9-zjk62\",\"prometheus\":\"monitoring/k8s\",\"prometheus_replica\":\"pro
metheus-k8s-0\",\"service\":\"grafana\"},\"value\":[1695197431,\"5787\"]}]"
}
}
```


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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.QueryError	The query statement failed to run.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InternalError.SearchError	Retrieval error
InternalError.SearchFailed	Retrieval failed
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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QueryRangeMetric

Last updated：2024-04-15 19:58:28

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to query the trend of metrics within a specified time range.

A maximum of 20 requests can be initiated per second for this API.

This action accepts http content encodings: gzip

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: QueryRangeMetric.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Metric Topic ID
Query	Yes	String	Queries statements; using PromQL syntax
Start	Yes	Integer	Queries start time; unix timestamp in seconds
End	Yes	Integer	Queries end time; unix timestamp in seconds
Step	Yes	Integer	Queries time interval, in seconds

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3. Output Parameters

Parameter Name	Type	Description
ResultType	String	Metric Query Result Type
Result	String	Metric Query Result
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Metric Variation Trends

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: QueryRangeMetric
<Common request parameters>
{
"TopicId": "8e7c3bd9-xxxx-xxxx-xxxx-207971e1f80f",
"Query": "access_evaluation_duration_bucket",
"Start": 1695193830,
"End": 1695197431,
"Step": 15
}
```

Output Example

```
{
"Response": {
"RequestId": "374b7d1e-xxxx-xxxx-xxxx-26f9a01a7201",
"ResultType": "matrix",
"Result": "[{\"metric\":{\"__name__\":\"access_evaluation_duration_bucket\",\"con
tainer\":\"grafana\",\"endpoint\":\"http\",\"instance\":\"172.17.0.6:3000\",\"job
\":\"grafana\",\"le\":\"+Inf\",\"namespace\":\"monitoring\",\"pod\":\"grafana-667
6ccf9c9-zjk62\",\"prometheus\":\"monitoring/k8s\",\"prometheus_replica\":\"promet
heus-k8s-0\",\"service\":\"grafana\"},\"values\":[[1695193830,\"5808\"],[16951938
```

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45,\"5808\"],[1695193860,\"5808\"],[1695193875,\"5808\"],[1695193890,\"5808\"],[1695193905,\"5808\"],[1695193920,\"5808\"],[1695193935,\"5808\"],[1695193950,\"5808\"],[1695193965,\"5808\"],[1695193980,\"5808\"],[1695193995,\"5808\"],[1695194010,\"5808\"],[1695194025,\"5808\"],[1695194040,\"5808\"],[1695194055,\"5808\"],[1695194070,\"5808\"],[1695194085,\"5808\"],[1695194100,\"5808\"],[1695194115,\"5808\"],[1695194130,\"5808\"],[1695194145,\"5808\"],[1695194160,\"5808\"],[1695194175,\"5808\"],[1695194190,\"5808\"],[1695194205,\"5808\"],[1695194220,\"5808\"],[1695194235,\"5808\"],[1695194250,\"5808\"],[1695194265,\"5808\"],[1695194280,\"5808\"],[1695194295,\"5808\"],[1695194310,\"5808\"],[1695194325,\"5808\"],[1695194340,\"5808\"],[1695194355,\"5808\"],[1695194370,\"5808\"],[1695194385,\"5808\"],[1695194400,\"5808\"],[1695194415,\"5808\"],[1695194430,\"5808\"],[1695194445,\"5808\"],[1695194460,\"5808\"],[1695194475,\"5808\"],[1695194490,\"5808\"],[1695194505,\"5808\"],[1695194520,\"5808\"],[1695194535,\"5808\"],[1695194550,\"5808\"],[1695194565,\"5808\"],[1695194580,\"5808\"],[1695194595,\"5808\"],[1695194610,\"5808\"],[1695194625,\"5808\"],[1695194640,\"5808\"],[1695194655,\"5808\"],[1695194670,\"5808\"],[1695194685,\"5808\"],[1695194700,\"5808\"],[1695194715,\"5808\"],[1695194730,\"5808\"],[1695194745,\"5808\"],[1695194760,\"5808\"],[1695194775,\"5808\"],[1695194790,\"5808\"],[1695194805,\"5808\"],[1695194820,\"5808\"],[1695194835,\"5808\"],[1695194850,\"5808\"],[1695194865,\"5808\"],[1695194880,\"5808\"],[1695194895,\"5808\"],[1695194910,\"5808\"],[1695194925,\"5808\"],[1695194940,\"5808\"],[1695194955,\"5808\"],[1695194970,\"5808\"],[1695194985,\"5808\"],[1695195000,\"5808\"],[1695195015,\"5808\"],[1695195030,\"5808\"],[1695195045,\"5808\"],[1695195060,\"5808\"],[1695195075,\"5808\"],[1695195090,\"5808\"],[1695195105,\"5808\"],[1695195120,\"5808\"],[1695195135,\"5808\"],[1695195150,\"5808\"],[1695195165,\"5808\"],[1695195180,\"5808\"],[1695195195,\"5808\"],[1695195210,\"5808\"],[1695195225,\"5808\"],[1695195240,\"5808\"],[1695195255,\"5808\"],[1695195270,\"5808\"],[1695195285,\"5808\"],[1695195300,\"5808\"],[1695195315,\"5808\"],[1695195330,\"5808\"],[1695195345,\"5808\"],[1695195360,\"5808\"],[1695195375,\"5808\"],[1695195390,\"5808\"],[1695195405,\"5808\"],[1695195420,\"5808\"],[1695195435,\"5808\"],[1695195450,\"5808\"],[1695195465,\"5808\"],[1695195480,\"5808\"],[1695195495,\"5808\"],[1695195510,\"5808\"],[1695195525,\"5808\"],[1695195540,\"5808\"],[1695195555,\"5808\"],[1695195570,\"5808\"],[1695195585,\"5808\"],[1695195600,\"5808\"],[1695195615,\"5808\"],[1695195630,\"5808\"],[1695195645,\"5808\"],[1695195660,\"5808\"],[1695195675,\"5808\"],[1695195690,\"5808\"],[1695195705,\"5808\"],[1695195720,\"5808\"],[1695195735,\"5808\"],[1695195750,\"5808\"],[1695195765,\"5808\"],[1695195780,\"5808\"],[1695195795,\"5808\"],[1695195810,\"5808\"],[1695195825,\"5808\"],[1695195840,\"5808\"],[1695195855,\"5808\"],[1695195870,\"5808\"],[1695195885,\"5808\"],[1695195900,\"5808\"],[1695195915,\"5808\"],[1695195930,\"5808\"],[1695195945,\"5808\"],[1695195960,\"5808\"],[1695195975,\"5808\"],[1695195990,\"5808\"],[1695196005,\"5808\"],[1695196020,\"5808\"],[1695196035,\"5808\"],[1695196050,\"5808\"],[1695196065,\"5808\"],[1695196080,\"5808\"],[1695196095,\"5808\"],[1695196110,\"5808\"],[1695196125,\"5808\"],[1695196140,\"5808\"],[1695196155,\"5808\"],[1695196170,\"5808\"],[1695196185,\"5808\"],[1695196200,\"5808\"],[1695196215,\"5808\"],[1695196230,\"5808\"],[1695196245,\"5808\"],[1695196260,\"5808\"],[1695196275,\"5808\"],[1695196290,\"5808\"],[1695196305,\"5808\"],[1695196320,\"5808\"],[1695196335,\"5808\"],[1695196350,\"5808\"],[1695196365,\"5808\"],[1695196380,\"5808\"],[1695196395,\"5808\"],[1695196410,\"5808\"],[1695196425,\"5808

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}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.QueryError	The query statement failed to run.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.

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Alarm Policy APIs
CreateAlarm

Last updated：2024-04-10 11:06:01

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create an alarm policy.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAlarm.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Name	Yes	String	Alarm policy name
AlarmTargets.N	Yes	Array of AlarmTarget	Monitoring object list
MonitorTime	Yes	MonitorTime	Monitoring task running time point
TriggerCount	Yes	Integer	Alarm persistence cycle. An alarm will be

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			triggered only after the corresponding trigger condition is met for the number of times specified by `TriggerCount`. Value range: 1–10.
AlarmPeriod	Yes	Integer	Alarm repeat interval in minutes. The value range is 0~1440.
AlarmNoticeIds.N	Yes	Array of String	List of associated alarm notification templates
Condition	No	String	Trigger ConditionNote:- Condition and AlarmLevel are one set of configurations, MultiConditions is another set of configurations. The two sets of configurations are mutually exclusive.
AlarmLevel	No	Integer	Alarm Level0: Warning (Warn); 1: Reminder (Info); 2: Urgent (Critical). Note:- If not specified, the default is 0. - Condition and AlarmLevel are one set of configurations, MultiConditions is another set of configurations. The two sets of configurations are mutually exclusive.
MultiConditions.N	No	Array of MultiCondition	Multiple trigger conditions Note:- Condition and AlarmLevel form one set of configurations, while MultiConditions form another set of configurations, and the two sets are mutually exclusive.
Status	No	Boolean	Whether to enable the alarm policyThe default value is true
Enable	No	Boolean	This parameter has been deprecated, please use the Status parameter to control whether to enable the alarm policy.
MessageTemplate	No	String	Custom alarm content
CallBack	No	CallBackInfo	Custom callback
Analysis.N	No	Array of AnalysisDimensional	Multi-Dimensional analysis

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GroupTriggerStatus	No	Boolean	Group trigger status. Default value is false
GroupTriggerCondition.N	No	Array of String	Grouping Trigger Conditions.
Tags.N	No	Array of Tag	Tag description list, by specifying this parameter, you can simultaneously bind Tag to the corresponding alarm policy.Supports up to 10 Tag key-value pairs, and the pairs must be unique.
MonitorObjectType	No	Integer	Monitored Object Type. 0: common monitoring objects for execution statements; 1: separately selected monitoring objects for each execution statement.If not specified, the default value is 0.When the value is 1, the number of AlarmTargets Elements (XML) cannot exceed 10, and the Numbers in AlarmTargets must be continuous positive integers starting from 1, without duplication.
Classifications.N	No	Array of AlarmClassification	Alarms additional classification information listThe number of Classifications elements cannot exceed 20.The Key of Classifications element must not be empty and duplicated, and its length cannot exceed 50 characters, complying with the regular expression ^a-z$.The Value length of Classifications element cannot exceed 200 characters.

3. Output Parameters

Parameter Name	Type	Description
AlarmId	String	Alarm policy ID.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Creating an alarm policy

This example shows you how to create an alarm policy.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateAlarm
<Common request parameters>

{
"AlarmNoticeIds": [
"notice-b02af159-f67b-44c3-877c-a55343f874c3"
],
"Name": "test",
"TriggerCount": 1,
"AlarmPeriod": 0,
"MonitorTime": {
"Type": "Period",
"Time": 10
},
"AlarmTargets": [
{
"TopicId": "be3d88bb-a9cb-4d29-b697-0fcfbfd601ef",
"Number": 1,
"Query": "* | select count(*) as count",
"EndTimeOffset": 0,
"StartTimeOffset": 0,
"LogsetId": "fe3d45bb-a9cb-4d29-b697-0fcfbfd601ef"
}
],
"Condition": "$1.count > 10"
}
```

Output Example

```
{
"Response": {
"AlarmId": "alarm-479dec34-4a59-11eb-b378-0242ac130002",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
```

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```
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.AlarmConflict	The alarm policy already exists.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.

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OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.AlarmNotSupportForSearchLow	IA storage does not support alarms.
ResourceNotFound.AlarmNoticeNotExist	The alarm notification template does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DeleteAlarm

Last updated：2024-04-15 19:58:49

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete an alarm policy.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAlarm.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
AlarmId	Yes	String	Alarm policy ID.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting an Alarm Policy

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteAlarm
<Common request parameters>

{
"AlarmId": "5944e926-ae21-4fa1-8af6-e1539b577482"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.AlarmNotExist	The alarm policy does not exist.

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ModifyAlarm

Last updated：2024-04-15 19:58:47

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify an alarm policy. At least one valid configuration item needs to be modified.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAlarm.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
AlarmId	Yes	String	Alarm policy ID
Name	No	String	Alarm policy name
MonitorTime	No	MonitorTime	Monitoring task running time point
Condition	No	String	Trigger condition. Note: - Condition and AlarmLevel are one set of configurations, MultiConditions is another set of

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			configurations. The two sets of configurations are mutually exclusive.
AlarmLevel	No	Integer	Alarm level.0: Warning (Warn); 1: Reminder (Info); 2: Urgent (Critical) Note: - Condition and AlarmLevel are one set of configurations, MultiConditions is another set of configurations. The two sets of configurations are mutually exclusive.
MultiConditions.N	No	Array of MultiCondition	Multiple trigger conditions. Note: - Condition and AlarmLevel are one set of configurations, MultiConditions is another set of configurations. The two sets of configurations are mutually exclusive.
TriggerCount	No	Integer	Alarm persistence cycle. An alarm will be triggered only after the corresponding trigger condition is met for the number of times specified by `TriggerCount`. Value range: 1 to 10
AlarmPeriod	No	Integer	Repeated alarm interval in minutes. Value range: 0 to 1440
AlarmNoticeIds.N	No	Array of String	List of associated alarm notification templates
AlarmTargets.N	No	Array of AlarmTarget	Monitoring object list
Status	No	Boolean	Whether to enable the alarm policy
Enable	No	Boolean	This parameter has been deprecated. Use the Status parameter to control whether to enable the alarm policy.
MessageTemplate	No	String	Custom alarm content
CallBack	No	CallBackInfo	Custom callback
Analysis.N	No	Array of AnalysisDimensional	Multi-Dimensional analysis
GroupTriggerStatus	No	Boolean	Group trigger status. true: enabled; false: disabled (default)

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GroupTriggerCondition.N	No	Array of String	Grouping trigger conditions.
Tags.N	No	Array of Tag	Tag description list, by specifying this parameter, you can simultaneously bind a Tag to the corresponding alarm policy. Up to 10 Tag key-value pairs are supported, and they must be unique.
MonitorObjectType	No	Integer	Monitored Object Type. 0: common monitoring objects for execution statements; 1: separately selected monitoring objects for each execution statement.When the value is 1, the number of AlarmTargets Elements (XML) cannot exceed 10, and the Numbers in AlarmTargets must be continuous positive integers starting from 1, without duplication.
Classifications.N	No	Array of AlarmClassification	Alarm additional classification information list. The number of Classifications elements cannot exceed 20.The Key of Classifications element must not be empty and duplicated, and its length cannot exceed 50 characters, complying with the regular expression ^a-z$.The Value length of Classifications element cannot exceed 200 characters.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying an Alarm Policy

This example shows you how to modify an alarm policy.

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Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAlarm
<Common request parameters>

{
"AlarmNoticeIds": [
"notice-479dec34-4a59-11eb-b378-0242ac130002"
],
"Name": "test",
"TriggerCount": 1,
"AlarmPeriod": 0,
"MonitorTime": {
"Type": "Period",
"Time": 10
},
"AlarmTargets": [
{
"TopicId": "6f574591-01b0-4475-bf0c-68255839a35d",
"Number": 1,
"Query": "* | select source",
"EndTimeOffset": 0,
"StartTimeOffset": 0,
"LogsetId": "ff574591-01b0-4475-bf0c-68255839a35d"
}
],
"Condition": "$1.source='10.0.0.1'",
"AlarmId": "alarm-bea71170-4a59-11eb-b378-0242ac130002"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.InvalidAlarm	The alarm policy is exceptional. Please check whether all the log topic IDs exist.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.AlarmConflict	The alarm policy already exists.
InvalidParameter.DbDuplication	The unique key of database conflicts.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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OperationDenied.AlarmNotSupportForSearchLow	IA storage does not support alarms.
ResourceNotFound.AlarmNotExist	The alarm policy does not exist.
ResourceNotFound.AlarmNoticeNotExist	The alarm notification template does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeAlarms

Last updated：2024-04-15 19:58:48

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the alarm policy list.

A maximum of 30 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAlarms.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	name - Filter by **alarm policy name** - Type: String - Required: No alarmId - Filter by **alarm policy ID** - Type: String - Required: No topicId

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			- Filter by **log topic ID** - Type: String - Required: No enable - Filter by **enablement status** - Type: String - Note: The valid values of `enable` include `1`, `t`, `T`, `TRUE`, `true`, `True`, `0`, `f`, `F`, `FALSE`, `false`, and `False`. If other values are entered, an "invalid parameter" error will be returned. - Required: No Each request can contain up to 10 `Filters` and 5 `Filter.Values`.
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
Alarms	Array of AlarmInfo	Alarm policy list
TotalCount	Integer	Number of eligible alarm policies
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the List of Alarm Policies

This example shows you how to get the list of alarm policies.

Input Example

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```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAlarms
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"Alarms": [],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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CreateAlarmNotice

Last updated：2024-04-15 19:58:50

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a notification group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAlarmNotice.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Name	Yes	String	Notification group name
Type	No	String	Notification type. Optional Values: • Trigger - Alarm triggered • Recovery - Alarm recovery • All - Alarm triggered and alarm recovery
NoticeReceivers.N	No	Array of NoticeReceiver	Notification recipient

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WebCallbacks.N	No	Array of WebCallback	API callback information (including WeCom)
NoticeRules.N	No	Array of NoticeRule	Notification RulesNote: - Type, NoticeReceivers, and WebCallbacks form one set of configurations, and NoticeRules form another set. The two sets of configurations are mutually exclusive.

3. Output Parameters

Parameter Name	Type	Description
AlarmNoticeId	String	Alarm template ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Notification Group

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateAlarmNotice
<Common request parameters>

{
"Name": "test",
"Type": "All",
"WebCallbacks": [
{
"CallbackType": "Http",
"Url": "http://www.testnotice.com/callback",
"Method": "POST"
}
]
}
```

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Output Example

```
{
"Response": {
"AlarmNoticeId": "xxxx-xx-xx-xx-xxxxxxxx",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.

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InvalidParameter.AlarmNoticeConflict	The alarm notification template already exists.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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ModifyAlarmShield

Last updated：2024-06-11 16:02:58

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify alarm blocking rules.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAlarmShield.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TaskId	Yes	String	Blocking rule ID.
AlarmNoticeId	Yes	String	Notification channel group ID.
StartTime	No	Integer	Block start time (second-level timestamp).
EndTime	No	Integer	Block end time (second-level timestamp).
Type	No	Integer	Block type. 1: Block all notifications, 2: Block matching rules notifications according to the Rule parameter.

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Parameter Name	Required	Type	Description
Rule	No	String	Blocking rules, required when Type is 2. For detailed information on filling in rules, see Product Documentation.
Reason	No	String	Blocking Reason
Status	No	Integer	Rule status. Only when the rule status is in effect (status:1) can it be modified to expired (status:2).

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying Alarm Blocking

This example shows you how to modify alarm blocking.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAlarmShield
<Common request parameters>

{
"TaskId": "bb42f112-a74d-456e-b3c4-ff5472911b42",
"AlarmNoticeId": "notice-bb42f112-a74d-456e-b3c4-ff5472911b42",
"StartTime": 1701872657,
"EndTime": 1701892657,
"Type": 1,
"Rule": "",
```

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```
"Reason": "Modify Reason"
}
```

Output Example

```
{
"Response": {
"RequestId": "1142f112-a74d-456e-b3c4-ff5472911b11"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.Timeout	Operation timed out

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Error Code	Description
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.AlarmNoticeConflict	The alarm notification template already exists.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DeleteAlarmShield

Last updated：2024-04-15 19:58:48

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete an alarm blocking rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAlarmShield.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TaskId	Yes	String	Blocking rule ID.
AlarmNoticeId	Yes	String	Notification channel group ID.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an Alarm Blocking Rule

This example shows you how to delete an alarm blocking rule.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteAlarmShield
<Common request parameters>
{
"TaskId": "bb42f112-a74d-456e-b3c4-ff5472911b42",
"AlarmNoticeId": "notice-bb42f112-a74d-456e-b3c4-ff5472911b42"
}
```

Output Example

```
{
"Response": {
"RequestId": "1142f112-a74d-456e-b3c4-ff5472911b11"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.AlarmNoticeConflict	The alarm notification template already exists.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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CreateAlarmShield

Last updated：2024-06-11 16:07:49

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create an alarm blocking rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAlarmShield.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
AlarmNoticeId	Yes	String	Notification Channel Group ID
StartTime	Yes	Integer	Block start time (second-level timestamp).
EndTime	Yes	Integer	Block end time (second-level timestamp).
Type	Yes	Integer	Block type. 1: Block all notifications, 2: Block matching rules notifications according to the Rule parameter.
Reason	Yes	String	Blocking reason.

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Parameter Name	Required	Type	Description
Rule	No	String	Blocking rules, required when Type is 2. For detailed information on filling in rules, see Product Documentation.

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	Blocking Rule ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an Alarm Blocking Rule

This example shows you how to create an alarm blocking rule.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateAlarmShield
<Common request parameters>

{
"AlarmNoticeId": "notice-bb42f112-a74d-456e-b3c4-ff5472911b42",
"StartTime": 1701872657,
"EndTime": 1701883657,
"Type": 1,
"Rule": "",
"Reason": "System update, temporarily silenced"
}
```

Output Example

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```
{
"Response": {
"TaskId": "bb42f112-a74d-456e-b3c4-ff5472911b42",
"RequestId": "1142f112-a74d-456e-b3c4-ff5472911b11"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InvalidParameter	Incorrect parameter.

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Error Code	Description
InvalidParameter.AlarmNoticeConflict	The alarm notification template already exists.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DeleteAlarmNotice

Last updated：2024-04-15 19:58:49

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a notification group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAlarmNotice.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
AlarmNoticeId	Yes	String	Notification group ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting a Notification Group

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteAlarmNotice
<Common request parameters>

{
"AlarmNoticeId": "notice-d7286784-46d9-4be3-b7ba-2c464e6a5ad1"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.BindedAlarm	The alarm notification template has already been bound to an alarm policy.
InternalError	Internal error.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.NoticeHasAlarm	The notification template is bound to an alarm and cannot be deleted.
ResourceNotFound.AlarmNoticeNotExist	The alarm notification template does not exist.

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ModifyAlarmNotice

Last updated：2024-04-15 19:58:47

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a notification group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAlarmNotice.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
AlarmNoticeId	Yes	String	Notification group ID
Name	No	String	Notification group name
Type	No	String	Notification type. Optional Values: • Trigger - Alarm trigger • Recovery - Alarm recovery • All - Alarm triggered and alarm recovery
NoticeReceivers.N	No	Array of	Notification recipient

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		NoticeReceiver	
WebCallbacks.N	No	Array of WebCallback	API callback information (including WeCom)
NoticeRules.N	No	Array of NoticeRule	Notification rulesNote: - Type, NoticeReceivers, and WebCallbacks are one set of configurations, while NoticeRules is another set of configurations. The two sets are mutually exclusive.- Submitting one set of data will nullify the other set.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Notification Group

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAlarmNotice
<Common request parameters>

{
"AlarmNoticeId": "notice-5b2ea996-4dae-47cc-bbad-5b12888b4c89",
"Name": "test",
"Type": "All",
"WebCallbacks": [
{
"CallbackType": "Http",
"Url": "http://www.testnotice.com/callback",
"Method": "POST"
}
```

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```
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.

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InvalidParameter	Incorrect parameter.
InvalidParameter.AlarmConflict	The alarm policy already exists.
InvalidParameter.AlarmNoticeConflict	The alarm notification template already exists.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.AlarmNoticeNotExist	The alarm notification template does not exist.

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DescribeAlarmNotices

Last updated：2024-04-15 19:58:48

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the notification group list.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAlarmNotices.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	• name Filter by Notification Channel Group Name.Type: String Required: No • alarmNoticeId Filter by Notification Channel Group ID.Type: String Required: No • uid Filter by Receiving User ID.Type: String Required: No

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			• groupId Filter by Receiving User Group ID.Type: String Required: No • deliverFlag Filter by Delivery Status.Type: String Required: No Optional Values: "1": Not Enabled, "2": Enabled, "3": Delivery Exception The maximum number of Filters per request is 10, and the maximum for Filter.Values is 5.
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
AlarmNotices	Array of AlarmNotice	Alarm notification template list Note: this field may return `null` , indicating that no valid values can be obtained.
TotalCount	Integer	Total number of eligible alarm notification templates
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the Notification Group List

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
```

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```
X-TC-Action: DescribeAlarmNotices
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"AlarmNotices": [],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DescribeAlertRecordHistory

Last updated：2024-04-15 19:58:47

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get alarm records, such as today's uncleared alarms.

A maximum of 40 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAlertRecordHistory.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
From	Yes	Integer	Start time of the query range, which is a Unix timestamp in ms
To	Yes	Integer	End time of the query range, which is a Unix timestamp in ms
Offset	Yes	Integer	Page offset. Default value: 0
Limit	Yes	Integer	Maximum number of entries per page. Maximum value: 100
Filters.N	No	Array of Filter	- alertId: Filter by alarm policy ID. Type: String; optional - topicId: Filter by ID of monitored object. Type: String; optional - status: Filter by alarm status. Type: String, optional. Valid values: `0`

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			(uncleared), `1` (cleared), `2` (expired) - alarmLevel: Filter by alarm severity. Type: String, optional. Valid values: `0` (Warn), `1` (Info), `2` (Critical) Each request can have up to 10 `Filters` and 100 `Filter.Values` .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total alarm records
Records	Array of AlertHistoryRecord	Alarm record details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Uncleared Alarms

This example shows you how to query uncleared alarms in a specified period.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAlertRecordHistory
<Common request parameters>

{
"Offset": 0,
"Limit": 20,
"From": 1681401600000,
"To": 1681487999999,
"Filters": [
```

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```
{
"Key": "status",
"Values": [
"0"
]
}
]
}
```

Output Example

```
{
"Response": {
"Records": [
{
"RecordId": "977c26df-d47f-404c-b0d2-c9ccd73f1407",
"AlarmId": "alarm-98ba728c-3888-4049-b510-20e26de53894",
"AlarmName": "TKE Demo event log alarm policy_100001001014",
"TopicId": "0337bf0c-7a38-456a-bd59-ba2feaa55195",
"TopicName": "TKE Demo event log topic_100001001014",
"Region": "ap-chongqing",
"Trigger": "$1.Warning events > 0",
"TriggerCount": 1,
"AlarmPeriod": 15,
"Notices": [
{
"Name": "TKE Demo event log notification group_100001001014",
"AlarmNoticeId": "notice-117dbad3-cc1b-4455-b112-76b0658dddc2"
}
],
"Duration": 90,
"Status": 0,
"CreateTime": 1681439122000,
"AlarmLevel": 0,
"MonitorObjectType": 0,
"GroupTriggerCondition": []
},
{
"RecordId": "1be40239-505f-4f1a-a6aa-4b71a9757d8a",
"AlarmId": "alarm-7be9386d-01e9-4b8b-a54e-fe00f6b15b1d",
"AlarmName": "TKE Demo audit log alarm policy_100001001014",
"TopicId": "6a4adc63-d145-4da4-a0e7-72bb1a9f8fcd",
"TopicName": "TKE Demo audit log topic_100001001014",
"Region": "ap-chongqing",
"Trigger": "$1.Actions > 10",
"TriggerCount": 1,
```

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```
"AlarmPeriod": 15,
"Notices": [
{
"Name": "TKE Demo audit log notification group_100001001014",
"AlarmNoticeId": "notice-f7d09113-b870-4f98-b99d-38d8ecf5393b"
}
],
"Duration": 90,
"Status": 0,
"CreateTime": 1681438941000,
"AlarmLevel": 0,
"MonitorObjectType": 0,
"GroupTriggerCondition": []
}
],
"TotalCount": 2,
"RequestId": "431449a5-95ab-4168-9a0e-7db48692d917"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InternalError.SearchError	Retrieval error
InternalError.SearchFailed	Retrieval failed
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountNotExists	The account does not exist.

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GetAlarmLog

Last updated：2024-04-19 10:04:14

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to access alarm policy execution details.

A maximum of 30 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: GetAlarmLog.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
From	Yes	Integer	Start time of the execution detail to be queried, Unix timestamp, unit ms.
To	Yes	Integer	End time of the execution detail to be queried, Unix timestamp, unit: ms.
Query	Yes	String	Query filter criteria, for example: - Query by alert policy ID: `alert_id:"alarm-0745ec00-e605xxxx-b50b-54afe61fc971"` - Query by monitoring object ID: `monitored_object:"823d8bfa-76a7-xxxx-8399-8cda74d4009b"`

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			- Query by alarm policy ID and monitoring object ID: `alert_id:"alarm-0745ec00-e605-xxxx-b50b-54afe61fc971" AND monitored_object:"823d8bfa-76a7-xxxx-8399-8cda74d4009b"` - Query by alarm policy ID and monitoring object ID, supports SQL statement: `(alert_id:"alarm-5ce45495-09e8-4d58-xxxx-768134bf330c") AND (monitored_object:"3c514e84-6f1f-46ec-xxxx-05de6163f7fe") AND NOT condition_evaluate_result:"Skip" AND condition_evaluate_result:[* TO *]	SELECT count(*) as top50StatisticsTotalCount, count_if(condition_evaluate_result='ProcessError' as top50StatisticsFailureCount, count_if(notification_send_result!='NotSend') as top50NoticeTotalCount, count_if(notification_send_result='SendPartFail' or notification_send_result='SendFail') as top50NoticeFailureCount, alert_id, alert_name, monitored_object, topic_type, happen_threshold, alert_threshold, notify_template group by alert_id, alert_name, monitored_object, topic_type, happen_threshold, alert_threshold, notify_template order by top50StatisticsTotalCour desc limit 1`
Limit	No	Integer	The maximum number of execution details returned in a single query is 1000.
Context	No	String	Pass the Context value returned by the last API call to retrieve more subsequent logs. A total of up to 10,000 raw logs can be obtained, with an expiration time of 1 hour.Note:* When passing this paramete do not modify any other parameters except for this one* This is only valid when the retrieval analysis statement (Query) does not contain SQL. For obtaining subsequent SQL results, refer to SQL LIMIT Syntax
Sort	No	String	Whether the original logs are returned in time order. Optional values are: asc (ascending) or desc (descending). The default is descNote: This is only valid when the search and analysis statement (Query) does not contain SQL* For SQL result sorting, refer to SQL ORDER BY Syntax
UseNewAnalysis	No	Boolean	true: Indicates the use of the new retrieval result return method, with valid output parameters AnalysisRecords and Columns.false:

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			Indicates the use of the old retrieval result return method, with valid output parameters AnalysisResults and ColNames.There is a slight difference in encoding format between the two return methods, and i is recommended to use true.

3. Output Parameters

Parameter Name	Type	Description
Context	String	Context for loading subsequent details
ListOver	Boolean	Whether alarm execution details within a specified time range are fully returned
Analysis	Boolean	Whether return value is SQL analysis result or not
ColNames	Array of String	Column names of analysis results. If the Query statement contains an SQL query, then column names of the queried fields will be returned;Otherwise, it will be empty. Note: This field may return null, indicating that no valid values can be obtained.
Results	Array of LogInfo	Execution details query results. When there is no SQL statement in the Query field, it returns query results. When there is an SQL statement in the Query field, it may return null. Note: This field may return null, indicating that no valid values can be obtained.
AnalysisResults	Array of LogItems	Execution details statistical analysis results. When there is an SQL statement in the Query field, it returns SQL statistical results; otherwise, it may return null. Note: This field may return null, indicating that no valid values can be obtained.
AnalysisRecords	Array of String	Execution details statistical analysis results; only valid if UseNewAnalysis is true.Note: This field may return null, indicating that no valid values can be obtained.
Columns	Array of Column	Column names of analysis results, valid only if UseNewAnalysis is trueNote: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request

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		will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Logs

This example shows you how to query the alarm history records of a specified alarm policy.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: GetAlarmLog
<Common request parameters>

{
"From": 1702569600000,
"To": 1702655999999,
"Query": "(alert_id:\"alarm-5ce45495-09e8-4d58-8f36-768134bf330c\") AND (monitore
d_object:\"3c514e84-6f1f-46ec-afbf-05de6163f7fe\") AND NOT condition_evaluate_res
ult: \"Skip\" AND condition_evaluate_result:[* TO *] | SELECT count(*) as top50St
atisticsTotalCount, count_if(condition_evaluate_result='ProcessError') as top50St
atisticsFailureCount, count_if(notification_send_result!='NotSend') as top50Notic
eTotalCount, count_if(notification_send_result='SendPartFail' or notification_sen
d_result='SendFail') as top50NoticeFailureCount, alert_id, alert_name, monitored_
object, topic_type, happen_threshold, alert_threshold, notify_template group by a
lert_id, alert_name, monitored_object,topic_type, happen_threshold, alert_thresho
ld, notify_template order by top50StatisticsTotalCount desc limit 1",
"Limit": 1
}
```

Output Example

```
{
"Response": {
"Analysis": true,
"AnalysisRecords": [],
"AnalysisResults": [
{
"Data": [
{
"Key": "topic_type",
"Value": "log"
```

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```
},
{
"Key": "alert_threshold",
"Value": "15"
},
{
"Key": "top50NoticeFailureCount",
"Value": "0"
},
{
"Key": "happen_threshold",
"Value": "1"
},
{
"Key": "top50StatisticsFailureCount",
"Value": "0"
},
{
"Key": "alert_id",
"Value": "alarm-5ce45495-09e8-4d58-8f36-768134bf330c"
},
{
"Key": "top50StatisticsTotalCount",
"Value": "705"
},
{
"Key": "alert_name",
"Value": "EdgeOne Cache Hit Rate Alarm Policy_100001127589"
},
{
"Key": "monitored_object",
"Value": "3c514e84-6f1f-46ec-afbf-05de6163f7fe"
},
{
"Key": "top50NoticeTotalCount",
"Value": "0"
},
{
"Key": "notify_template",
"Value": "notice-8e0660a4-197d-46b0-b1ef-e63571b7a438"
}
]
}
],
"ColNames": [
"top50StatisticsTotalCount",
"top50StatisticsFailureCount",
```


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```
"top50NoticeTotalCount",
"top50NoticeFailureCount",
"alert_id",
"alert_name",
"monitored_object",
"topic_type",
"happen_threshold",
"alert_threshold",
"notify_template"
],
"Columns": [],
"Context": "",
"ListOver": true,
"RequestId": "716f9f96-ed8c-4a20-9e75-dfa27ba9a273",
"Results": []
}
}
```

Example2 Querying the Alarm History Records of a Specified Alarm Policy and Alarm Object

This example shows you how to query the alarm history records of a specified alarm policy and alarm object.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: GetAlarmLog
<Common request parameters>

{
"From": 1702569600000,
"To": 1702655999999,
"Query": "alert_id:\"alarm-5ce45495-09e8-4d58-8f36-768134bf330c\" AND monitored_o
bject:\"3c514e84-6f1f-46ec-afbf-05de6163f7fe\"",
"Limit": 1,
"Context": ""
}
```

Output Example

```
{
"Response": {
"Analysis": false,
"AnalysisRecords": null,
"AnalysisResults": [],
```

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```
"ColNames": [],
"Columns": null,
"Context": "Y29udGV4dC0yNmJkYjY1ZS1lODdjLTQ5Y2ItODdiYy0xNmUwNWFlYTYwM2MxNzAyNjEyMzA4MTU1",
"ListOver": false,
"RequestId": "aefbd480-35c5-43b7-b1df-d625727abebf",
"Results": [
{
"FileName": "",
"HostName": "",
"IndexStatus": "",
"LogJson": "{\"reach_trigger\":\"false\",\"label_string\":\"\",\"fire_time\":1702612278007,\"reach_notify\":\"false\",\"record_group_id\":\"\",\"topic_type\":\"log\",\"alert_threshold\":15,\"trigger_result\":\"success\",\"monitored_object\":\"3c514e84-6f1f-46ec-afbf-05de6163f7fe\",\"duration\":0,\"condition_evaluate_result\":\"QueryResultUnmatch\",\"notify_type\":2,\"summary_en\":\"The trigger condition is not met\",\"notification_send_result\":\"NotSend\",\"trigger_time\":1702612278,\"notify_template\":\"notice-8e0660a4-197d-46b0-b1ef-e63571b7a438\",\"summary_cn\":\"If the execution statement result does not meet the trigger conditions \",\"alert_id\":\"alarm-5ce45495-09e8-4d58-8f36-768134bf330c\",\"notify_result\":\"success\",\"topic_name\":\"dyltest2\",\"process_result\":\"fail\",\"notify_failed_reason\":\"\",\"object_param\":\"[{\\\"EndTime\\\":1702612230000,\\\"StartTime\\\":1702608630000,\\\"TopicId\\\":\\\"3c514e84-6f1f-46ec-afbf-05de6163f7fe\\\",\\\"TopicName\\\":\\\"dyltest2\\\",\\\"TopicType\\\":\\\"log\\\",\\\"grammarVersion\\\":\\\"cql\\\"}]\",\"uin\":100001127589,\"topic_id\":\"3c514e84-6f1f-46ec-afbf-05de6163f7fe\",\"record_info\":\"\",\"notify_time\":1702612278,\"level\":\"Warn\",\"process_error_msg\":\"The conditions are not matched, no results\",\"trigger\":\"$1.hit_rate<50\",\"trigger_failed_reason\":\"The conditions are not matched, no results\",\"happen_threshold\":1,\"record_id\":\"9e35be9f-b617-4827-96c5-97a0383aad0f\",\"nick_name\":\"\",\"logset_id\":\"19b6cec0-b80f-4ffe-98de-239670e5b19d\",\"detail\":\"\",\"alert_name\":\"EdgeOne Cache Hit Rate Alarm Policy_100001127589\",\"process_error_type\":\"QueryResultUnmatch\",\"status\":\"QueryResultUnmatch\"}",
"PkgId": "",
"PkgLogId": "",
"RawLog": "",
"Source": "",
"Time": 1702612278007,
"TopicId": "louder",
"TopicName": "louder"
}
]
}
}
```


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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.GetlogReachLimit	The number of searched logs has reached the upper limit.
FailedOperation.InvalidContext	The search cursor is invalid or does not exist.
FailedOperation.QueryError	The query statement failed to run.
FailedOperation.SearchTimeout	The query timed out.
FailedOperation.SyntaxError	An error occurred while parsing the query statement.
FailedOperation.Timeout	Operation timed out
FailedOperation.TopicIsolated	The log topic has been isolated.
InternalError	Internal error.

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InternalError.SearchError	Retrieval error
InternalError.SearchFailed	Retrieval failed
InvalidParameter	Incorrect parameter.
LimitExceeded.LogSearch	The number of concurrent queries exceeds the limit, which is 15 per topic.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeAlarmShields

Last updated：2024-04-15 19:58:48

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to access alarm blocking configuration rules.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAlarmShields.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
AlarmNoticeId	Yes	String	Notification Channel Group ID
Filters.N	No	Array of Filter	- taskId: Filter by [Rule ID]. Type: String. Optional: No - status: Filter by [Rule Status]. Type: String. Supports 0: Not yet effective, 1: In Effect, 2: Expired. Optional: No Each request can have up to 10 Filters. The upper limit of Filter.Values is 100.
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum

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			value: 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The total number of rules that meet the criteria
AlarmShields	Array of AlarmShieldInfo	Details of the alarm blocking rules
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Accessing Alarm Masking Configuration Information

This example shows you how to access alarm masking configuration information.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAlarmShields
<Common request parameters>

{
"AlarmNoticeId": "notice-ea115e5a-04c4-421e-9ba3-fb177e9025cb",
"Filters": [
{
"Key": "status",
"Values": [
"1"
]
}
],
"Offset": 0,
```

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```
"Limit": 10
}
```

Output Example


```
{
"Response": {
"TotalCount": 1,
"AlarmShields": [
{
"AlarmNoticeId": "notice-ea115e5a-04c4-421e-9ba3-fb177e9025cb",
"TaskId": "ea115e5a-04c4-421e-9ba3-fb177e9025cb",
"StartTime": 1701933943,
"EndTime": 1701993943,
"Type": 1,
"Rule": "",
"Reason": "System Deployment, Temporary Masking",
"Source": 1,
"Operator": "1001(Zhang San)",
"Status": 1,
"CreateTime": 1701933943,
"UpdateTime": 1701933943
}
],
"RequestId": "11115e5a-04c4-421e-9ba3-fb177e902511"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
AuthFailure.UnauthorizedOperation	Request unauthorized.
FailedOperation	Operation failed.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InternalError.DbError	DB Error.
InternalError.IllegalRole	Illegal role.
InvalidParameter	Incorrect parameter.
InvalidParameter.ParamError	Parameter error.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded.RecordOutOfLimit	Record exceeds limit
MissingParameter	Missing parameter.
OperationDenied.AccountNotExists	The account does not exist.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter error.
UnsupportedOperation	Unsupported operation.

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Data Processing APIs
DeleteDataTransform

Last updated：2024-04-15 19:58:39

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a data processing task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteDataTransform.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TaskId	Yes	String	Data processing task ID

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Data Processing Task

This example shows you how to delete a data processing task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteDataTransform
<Common request parameters>

{
"TaskId": "e4fcXXXX-5e8a-4fe0-b52c-76eeca53e9af"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DataFromTaskNotExist	The data processing task does not exist.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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CheckFunction

Last updated：2024-04-15 19:58:40

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to verify the syntax of data processing DSL functions.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CheckFunction.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
EtlContent	Yes	String	Processing statement entered by the user
DstResources.N	No	Array of DataTransformResouceInfo	Target topic ID and alias of the data processing task
FuncType	No	Integer	Type of the target topic for data processing. Valid values: 1 (fixed Topic) and 2 (dynamic creation)

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3. Output Parameters

Parameter Name	Type	Description
ErrorCode	Integer	Failure error code
ErrorMsg	String	Failure error message
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Verifying the Syntax of the Data Processing Function

This example shows you how to verify the syntax of the data processing function.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CheckFunction
<Common request parameters>
{
"EtlContent": "fields_set()",
"DstResources": [
{
"TopicId": "x56493046-XXXX-4194-81f6-c2e75569b031",
"Alias": "example"
}
],
"FuncType": 1
}
```

Output Example

```
{
"Response": {
"ErrorCode": 0,
"ErrorMsg": "",
```

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```
"RequestId": "x56493046-XXXX-4194-81f6-c2e75569b031"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.

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OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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CreateDataTransform

Last updated：2024-04-15 19:58:39

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a data processing task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this CreateDataTransform.
Version	Yes	String	Common Params. The value used for this
Region	No	String	Common Params. This parameter is not r
FuncType	Yes	Integer	Task type. 1: Specify topic; 2: Dynamic cr please refer to Creating Processing Task (https://intl.cloud.tencent.com/document/p from_cn_redirect=1).
SrcTopicId	Yes	String	Source log topic
Name	Yes	String	Data processing task name
EtlContent	Yes	String	Data processing statement
TaskType	Yes	Integer	Processing type.

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			1: Process preview using random data fro topic; 2: Process preview using user-defin Create real processing tasks.
DstResources.N	No	Array of DataTransformResouceInfo	Destination topic_id and alias of processir parameter is required when FuncType=1, when FuncType=2.
EnableFlag	No	Integer	Task status. Valid values: 1 (enabled) and
PreviewLogStatistics.N	No	Array of PreviewLogStatistic	Test data used for previewing the process

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	Task ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Data Processing Task

This example shows you how to create a data processing task. Similar to the open source component Logstash, data processing provides capabilities such as filtering, cleaning, anonymization, enrichment, and distribution of log data. Domain Specific Language (DSL) functions are implemented based on Flink for data processing, allowing you to easily process log stream data.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDataTransform
<Common request parameters>

{
```

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```
"EnableFlag": 1,
"Name": "Data processing task",
"FuncType": 0,
"PreviewLogStatistics": [
{
"LineNum": 0,
"FailReason": "errorcode",
"DstTopicId": "81XXXXe5-e39e-4a1e-b2d4-a778df97d825",
"LogContent": "XXXX",
"Time": "2017-08-08 12:12:12"
}
],
"SrcTopicId": "xxxx-xx-xx-xx-xxxxxxxx",
"TaskType": 0,
"DstResources": [
{
"TopicId": "3d9bXXXX-05a4-4435-ac65-f43e684329b3",
"Alias": "Alias"
}
],
"EtlContent": "xx-xx"
}
```


Output Example


```
{
"Response": {
"TaskId": "xxxx-xx-xx-xx-xxxxxxxx",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DataFromTaskConflict	There is a data processing task conflict.
InvalidParameter.InvalidEtlContent	The data processing statement is invalid.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeDataTransformInfo

Last updated：2024-04-15 19:58:39

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the basic information of data processing tasks.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDataTransformInfo.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	• taskName Filter by **processing task name**. Type: String Required: No

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			• taskId Filter by **processing task ID**. Type: String Required: No • srctopicId Filter by **source topic ID**. Type: String Required: No Each request can have up to 10 `Filters` and 100 `Filter.Values` .
Offset	No	Integer	The pagination offset. Default value: 0.
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100.
Type	No	Integer	Task type. Valid values: 1: Get the details of a single task. 2 (default): Get the task list.
TaskId	No	String	Task ID, which is required when `Type` is set to `1`

3. Output Parameters

Parameter Name	Type	Description
DataTransformTaskInfos	Array of DataTransformTaskInfo	List of data processing tasks
TotalCount	Integer	Total tasks
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Getting the Basic Information of Data Processing Tasks

This example shows you how to get the basic information of data processing tasks.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDataTransformInfo
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"DataTransformTaskInfos": [
{
"Status": 0,
"EnableFlag": 0,
"UpdateTime": "2021-08-08 12:12:12",
"LastEnableTime": "xxxx",
"Name": "My data processing task",
"LogsetId": "xxxx",
"SrcTopicName": "My log topic",
"SrcTopicId": "61b9XXXX-971a-48c7-984d-ca147cf242c1",
"DstResources": [
{
"TopicId": "3d9bXXXX-05a4-4435-ac65-f43e684329b3",
"Alias": "Alias"
}
],
"TaskId": "e4fcXXXX-5e8a-4fe0-b52c-76eeca53e9af",
"EtlContent": "ields_set()",
"Type": 0,
"CreateTime": "2021-08-0712: 12: 12"
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
```

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```
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.

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OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyDataTransform

Last updated：2024-04-15 19:58:38

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a data processing task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDataTransform.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TaskId	Yes	String	Data processing task ID
Name	No	String	Data processing task name
EtlContent	No	String	Data processing statement
EnableFlag	No	Integer	Task status. Valid values: 1 (enabled) and 2 (disabled).

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DstResources.N	No	Array of DataTransformResouceInfo	Destination topic ID and alias of the data processing task
HasServicesLog	No	Integer	Whether to enable delivery service log. 1 for disabled, 2 for enabled

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Data Processing Task

This example shows you how to modify a data processing task. Similar to the open source component Logstash, data processing provides capabilities such as filtering, cleaning, anonymization, enrichment, and distribution of log data. Domain Specific Language (DSL) functions are implemented based on Flink for data processing, allowing you to easily process log stream data.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDataTransform
<Common request parameters>

{
"DstResources": [
{
"TopicId": "81XXXXe5-e39e-4a1e-b2d4-a778df97d825",
"Alias": "Alias"
}
],
"EnableFlag": 0,
"EtlContent": "fields_set()",
"Name": "My data processing",
```

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```
"TaskId": "e4fcXXXX-5e8a-4fe0-b52c-76eeca53e9af"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.

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InvalidParameter	Incorrect parameter.
InvalidParameter.DataFromTaskConflict	There is a data processing task conflict.
InvalidParameter.DataFromTaskNotExist	The data processing task does not exist.
InvalidParameter.InvalidEtlContent	The data processing statement is invalid.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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Kafka Protocol Consumption APIs CloseKafkaConsumer

Last updated：2024-04-15 19:58:35

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to disable Kafka consumption.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CloseKafkaConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
FromTopicId	Yes	String	Log topic ID

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disabling Kafka Consumption

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CloseKafkaConsumer
<Common request parameters>

{
"FromTopicId": "a5ce0c9c-0690-44a5-bc79-5f2190626bd0"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyKafkaConsumer

Last updated：2024-04-15 19:58:35

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify Kafka protocol consumption information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyKafkaConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
FromTopicId	Yes	String	Log Topic ID
Compression	No	Integer	Compression mode [0: NONE; 2: SNAPPY; 3: LZ4]
ConsumerContent	No	KafkaConsumerContent	Kafka protocol consumer data format

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying Kafka Protocol Consumption Information

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyKafkaConsumer
<Common request parameters>

{
"FromTopicId": "a5ce0c9c-0690-44a5-bc79-5f2190626bd0",
"Compression": 1
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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OpenKafkaConsumer

Last updated：2024-04-15 19:58:34

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to enable the Kafka consumption feature.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: OpenKafkaConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
FromTopicId	Yes	String	Log Topic ID
Compression	No	Integer	Compression mode. Valid values: `0` (no compression); `2` (snappy); `3` (LZ4)
ConsumerContent	No	KafkaConsumerContent	Kafka consumer data format

3. Output Parameters

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Parameter Name	Type	Description
TopicID	String	Topic Parameter used by KafkaConsumer during consumption
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling Consumption over Kafka

This example shows you how to enable consumption over Kafka.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: OpenKafkaConsumer
<Common request parameters>

{
"FromTopicId": "a5ce0c9c-0690-44a5-bc79-5f2190626bd0",
"Compression": 1
}
```

Output Example

```
{
"Response": {
"TopicID": "out-a5ce0c9c-0690-44a5-bc79-5f2190626bd0",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.ExportConflict	The export job already exists.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeKafkaConsumer

Last updated：2024-04-15 19:58:35

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to access Kafka protocol consumption information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeKafkaConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
FromTopicId	Yes	String	Log Topic ID

3. Output Parameters

Parameter Name	Type	Description
Status	Boolean	Whether Kafka Protocol Consumption is enabled

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TopicID	String	Topic Parameter used by KafkaConsumer during consumption
Compression	Integer	Compression mode [0: NONE; 2: SNAPPY; 3: LZ4]
ConsumerContent	KafkaConsumerContent	Kafka protocol consumer data format
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Accessing Kafka Protocol Consumption Information

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeKafkaConsumer
<Common request parameters>
{
"FromTopicId": "a5ce0c9c-0690-44a5-bc79-5f2190626bd0"
}
```

Output Example

```
{
"Response": {
"Status": true,
"TopicID": "125407-ad2155c6-XXXX-45b5-83c9-8b42b6f59fbd",
"Compression": 2,
"ConsumerContent": {
"Format": 1,
"MetaFields": [
"__SOURCE__",
"__FILENAME__",
"__TIMESTAMP__",
"__HOSTNAME__",
"__PKGID__"
],
"EnableTag": true,
```

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```
"JsonType": 1,
"TagTransaction": 1
},
"RequestId": "ddfdXXX-4ef3-43fd-b1cf-4f4a0b944d26"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.

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MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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CKafka Shipping Task APIs CreateConsumer

Last updated：2024-04-15 19:58:46

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a CKafka delivery task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID to bind
NeedContent	No	Boolean	Whether to deliver log Metadata information, default is true.When NeedContent is true: Content field is valid.When NeedContent is false: Content field is invalid.
Content	No	ConsumerContent	Metadata to ship if `NeedContent` is `true`

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Ckafka	No	Ckafka	CKafka information
Compression	No	Integer	Compression method during delivery. Valid values: 0, 2, and 3. [0: NONE; 2: SNAPPY; 3: LZ4]

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a CKafka Delivery Task

After the CLS log is delivered to CKafka, you can perform real-time computing on the log before ingestion.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateConsumer
<Common request parameters>
{
"TopicId": "xxx-xxx-xxx-xxx",
"Ckafka": {
"Vip": "10.123.123.123",
"Vport": "8888",
"InstanceId": "xxxxx",
"InstanceName": "myname",
"TopicId": "xxxxx",
"TopicName": "xxxxx"
},
"Content": {
"EnableTag": true,
"MetaFields": [
"__SOURCE__"
]
```

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```
},
"NeedContent": true,
"Compression": 0
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.

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InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DbDuplication	The unique key of database conflicts.
LimitExceeded	The quota limit has been reached.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DeleteConsumer

Last updated：2024-04-15 19:58:46

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a shipping task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID bound to the task

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting a Shipping Task

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteConsumer
<Common request parameters>

{
"TopicId": "xxx-xxx-xxx-xxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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ModifyConsumer

Last updated：2024-04-15 19:58:45

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a CKafka delivery task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID bound to the task
Effective	No	Boolean	Whether the shipping task takes effect (default: no)
NeedContent	No	Boolean	Whether to deliver log Metadata information; the default is true.When NeedContent is true: Content field is valid.When NeedContent is false: Content field is invalid.
Content	No	ConsumerContent	Metadata to ship if `NeedContent` is `true`

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Ckafka	No	Ckafka	CKafka information
Compression	No	Integer	Compression method during delivery. Valid values: 0, 2, and 3. [0: NONE; 2: SNAPPY; 3: LZ4]

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a CKafka Delivery Task

This example shows you how to modify a CKafka delivery task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyConsumer
<Common request parameters>
{
"TopicId": "xxx-xxx-xxx-xxx",
"Effective": true,
"Ckafka": {
"Vip": "10.123.123.123",
"Vport": "8888",
"InstanceId": "xxxxx",
"InstanceName": "myname",
"TopicId": "xxxxx",
"TopicName": "xxxxx"
},
"Content": {
"EnableTag": true,
"MetaFields": [
"__SOURCE__"
```

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```
]
},
"NeedContent": true,
"Compression": 0
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.RecordNotExist	Record does not exist

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DescribeConsumer

Last updated：2024-04-15 19:58:45

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to query a shipping task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeConsumer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID bound to the task

3. Output Parameters

Parameter Name	Type	Description
Effective	Boolean	Whether the shipping task is effective
NeedContent	Boolean	Whether log metadata is shipped

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Content	ConsumerContent	Metadata shipped if `NeedContent` is `true` Note: This field may return `null`, indicating that no valid value was found.
Ckafka	Ckafka	CKafka information
Compression	Integer	Compression mode. Valid values: `0` (no compression), `2` (snappy), `3` (LZ4). Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying a Shipping Task

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeConsumer
<Common request parameters>

{
"TopicId": "xxx-xxx-xxx-xxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx",
"Effective": true,
"Ckafka": {
"Vip": "10.123.123.123",
"Vport": "8888",
"InstanceId": "xxxxx",
"InstanceName": "myname",
"TopicId": "xxxxx",
```

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```
"TopicName": "xxxxx"
},
"Content": {
"EnableTag": true,
"MetaFields": [
"__SOURCE__"
]
},
"NeedContent": true,
"Compression": 0
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.

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InternalError	Internal error.
InvalidParameter	Incorrect parameter.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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Kafka Data Subscription APIs DescribeKafkaRecharges

Last updated：2024-04-15 19:58:36

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of Kafka data subscription tasks.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeKafkaRecharges.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
Id	No	String	Import configuration ID
Status	No	Integer	Status. Valid values: 1 (running) and 2 (suspended).

3. Output Parameters

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Parameter Name	Type	Description
Infos	Array of KafkaRechargeInfo	KafkaRechargeInfo list
TotalCount	Integer	Total Kafka data records imported
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting Kafka Data Import Configuration

This example shows you how to get Kafka data import configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeKafkaRecharges
<Common request parameters>
{
"TopicId": "abc",
"Status": 1
}
```

Output Example

```
{
"Response": {
"Infos": [
{
"Id": "abc",
"TopicId": "abc",
"Name": "abc",
"ServerAddr": "test.cls.tencentyun.com:9095",
"UserKafkaTopics": "topic1,topic2",
"ConsumerGroupName": "",
"Status": 1,
```

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```
"CreateTime": "abc",
"UpdateTime": "abc",
"LogRechargeRule": {
"RechargeType": "json_log",
"TimeKey": "abc",
"TimeFormat": "abc",
"LogRegex": "abc",
"UnMatchLogSwitch": true,
"UnMatchLogKey": "abc",
"EncodingFormat": 0,
"DefaultTimeSwitch": true
}
}
],
"TotalCount": 1,
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.TopicConflict	There is already a log topic with the same name in the specified logset.
LimitExceeded	The quota limit has been reached.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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CreateKafkaRecharge

Last updated：2024-07-24 10:56:37

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a Kafka data subscription task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateKafkaRecharge.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Target topic ID
Name	Yes	String	Kafka data import configuration name
KafkaType	Yes	Integer	Kafka type. Valid values: 0 (Tencent Cloud CKafka) and 1 (customer's Kafka).
UserKafkaTopics	Yes	String	List of Kafka topics to import data from. Separate multiple topics with commas (,).

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Offset	Yes	Integer	Position for data import. Valid values: -2 (earliest, default) and -1 (latest).
LogRechargeRule	Yes	LogRechargeRuleInfo	Log Import Rules.
KafkaInstance	No	String	CKafka instance ID, which is required when `KafkaType` is set to `0`
ServerAddr	No	String	Service address, which is required when `KafkaType` is set to `1`
IsEncryptionAddr	No	Boolean	Whether the service address uses an encrypted connection, which is required when `KafkaType` is set to `1`
Protocol	No	KafkaProtocolInfo	Encrypted Access ProtocolWhen KafkaType is 1 and IsEncryptionAddr is true, Protocol is required
ConsumerGroupName	No	String	Kafka consumer group name

3. Output Parameters

Parameter Name	Type	Description
Id	String	Kafka data import configuration ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Kafka Data Import Rule

This example shows you how to create a Kafka data import rule.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
```

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```
X-TC-Action: CreateKafkaRecharge
<Common request parameters>

{
"TopicId": "b53fe5be-7ee3-4031-8043-5a73bad4f572",
"Name": "testname",
"KafkaType": 1,
"ServerAddr": "192.168.0.1:9095",
"IsEncryptionAddr": true,
"UserKafkaTopics": "topic-1212123123,topic-sadf5r32f3ww",
"ConsumerGroupName": "consumer-group-name",
"Offset": -1,
"LogRechargeRule": {
"DefaultTimeSrc": 0,
"DefaultTimeSwitch": true,
"EncodingFormat": 0,
"RechargeType": "minimalist_log",
"UnMatchLogKey": "LogParseFailure",
"UnMatchLogSwitch": true,
"UnMatchLogTimeSrc": 0
},
"Protocol": {
"Protocol": "plaintext"
}
}
```

Output Example

```
{
"Response": {
"RequestId": "abc",
"Id": "xxx-xx-xx"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DbDuplication	The unique key of database conflicts.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyKafkaRecharge

Last updated：2024-04-15 19:58:36

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a Kafka data subscription task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyKafkaRecharge.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Id	Yes	String	Kafka data import configuration ID
TopicId	Yes	String	Target topic ID
Name	No	String	Kafka data import configuration name
KafkaType	No	Integer	Kafka type. Valid values: 0 (Tencent Cloud CKafka) and 1 (customer's Kafka)
KafkaInstance	No	String	CKafka instance ID, which is required when

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			`KafkaType` is set to `0`
ServerAddr	No	String	Service address
IsEncryptionAddr	No	Boolean	Whether the service address uses an encrypted connection
Protocol	No	KafkaProtocolInfo	Encryption access protocol, which is required when IsEncryptionAddr `is set to` true`
UserKafkaTopics	No	String	List of Kafka topics to import data from. Separate multiple topics with commas (,).
ConsumerGroupName	No	String	Kafka consumer group name
LogRechargeRule	No	LogRechargeRuleInfo	Log import rule
StatusControl	No	Integer	Import control. Valid values: 1 (suspend) and 2 (resume).

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying Kafka Data Import Configuration

This example shows you how to modify Kafka data import configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyKafkaRecharge
<Common request parameters>
```

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```
{
"Id": "xxx-xxx-xx",
"TopicId": "abc",
"Name": "abc",
"ServerAddr": "abc",
"IsEncryptionAddr": true,
"UserKafkaTopics": "abc",
"ConsumerGroupName": "abc",
"LogRechargeRule": {
"RechargeType": "json_log",
"TimeKey": "abc",
"TimeFormat": "abc",
"LogRegex": "abc",
"UnMatchLogSwitch": true,
"DefaultTimeSwitch": true,
"UnMatchLogKey": "abc",
"EncodingFormat": 0
}
}
```

Output Example

```
{
"Response": {
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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DeleteKafkaRecharge

Last updated：2024-04-15 19:58:36

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a Kafka data subscription task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteKafkaRecharge.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Id	Yes	String	Kafka data import configuration ID
TopicId	Yes	String	Target CLS log topic ID

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting Kafka Data Import Configuration

This example shows you how to delete Kafka data import configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteKafkaRecharge
<Common request parameters>

{
"Id": "abc",
"TopicId": "abc"
}
```

Output Example

```
{
"Response": {
"RequestId": "abc"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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PreviewKafkaRecharge

Last updated：2024-07-24 10:56:36

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to preview the logs of Kafka data subscription tasks.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: PreviewKafkaRecharge.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
PreviewType	Yes	Integer	Preview type. Valid values: 1 (source data preview) and 2 (result preview).
KafkaType	Yes	Integer	Kafka type. Valid values: 0 (Tencent Cloud CKafka) and 1 (customer's Kafka)
UserKafkaTopics	Yes	String	List of Kafka-related topics that the user needs to import, separated by commas. Supports up to 100 topics.

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Offset	Yes	Integer	Position for data import. Valid values: -2 (earliest, default) and -1 (latest).
KafkaInstance	No	String	Tencent Cloud CKafka instance ID. KafkaInstance is required when KafkaType is 0
ServerAddr	No	String	Service AddressServerAddr is required when KafkaType is 1
IsEncryptionAddr	No	Boolean	Whether ServerAddr is a secure connection. Valid when KafkaType is 1.
Protocol	No	KafkaProtocolInfo	Encrypted Access ProtocolWhen KafkaType is 1 and IsEncryptionAddr is true, Protocol is required
ConsumerGroupName	No	String	Kafka consumer group name
LogRechargeRule	No	LogRechargeRuleInfo	Log import rule

3. Output Parameters

Parameter Name	Type	Description
LogSample	String	Log sample, which is returned when `PreviewType` is set to `2`
LogData	String	Log preview result Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Previewing the Logs of Kafka Data Import Tasks

This example shows you how to preview the logs of Kafka data import tasks.

Input Example

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```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateCosRecharge
<Common request parameters>
{
"PreviewType": 1,
"KafkaType": 1,
"ServerAddr": "test.cls.tencentyun.com:9095",
"IsEncryptionAddr": false,
"UserKafkaTopics": "topic1,topic2",
"Offset": -1,
"LogRechargeRule": {
"RechargeType": "json_log",
"TimeKey": "abc",
"TimeFormat": "abc",
"LogRegex": "abc",
"UnMatchLogSwitch": true,
"UnMatchLogKey": "abc",
"EncodingFormat": 0,
"DefaultTimeSwitch": true
}
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx",
"LogData": "xxxxxxx",
"LogSample": "abc"
}
}
```

Example2 Kafaka导入数据预览

导出结果预览

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: PreviewKafkaRecharge
<common request parameters>
```

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```
{
"PreviewType": 2,
"KafkaType": 0,
"KafkaInstance": "ckafka-l4rped7z",
"UserKafkaTopics": "topic_111b1f24-1ce6-45a3-a515-6e293429f111,topic_11161155-0ea
3-4e53-9626-72b4837a4111,topic_111f125e-86f6-41c9-9dcc-360594290111",
"ConsumerGroupName": "",
"Offset": -2,
"LogRechargeRule": {
"RechargeType": "minimalist_log",
"LogRegex": "",
"UnMatchLogSwitch": true,
"UnMatchLogKey": "LogParseFailure",
"UnMatchLogTimeSrc": 0,
"EncodingFormat": 0,
"DefaultTimeSwitch": true,
"DefaultTimeSrc": 0,
"TimeKey": "",
"TimeRegex": "",
"TimeFormat": "",
"TimeZone": "UTC+08:00",
"Metadata": [
"kafka_topic",
"kafka_partition",
"kafka_offset",
"kafka_timestamp"
],
"Keys": []
}
}
```


Output Example


```
{
"Response": {
"LogSample": "{\"x-intranet-proxy-region\":\"sh\",\"x-intranet-proxy-socket-local
-address\":\"::ffff:11.179.111.111\",\"x-intranet-proxy-socket-local-port\":\"844
3\"",
"LogData": "{\"__CONTENT__\":\"{\\\"x-intranet-proxy-region\\\":\\\"sh\\\",\\\"x-
intranet-proxy-socket-local-address\\\":\\\"::ffff:11.179.111.111\\\",\\\"x-intra
net-proxy-socket-local-port\\\":\\\"8443\\\"",
"RequestId": "d3218ba6-4d98-480a-a97b-8db0ae87ef31"
}
}
```


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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.

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OperationDenied.AccountNotExists	The account does not exist.

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CheckRechargeKafkaServer

Last updated：2024-04-15 19:58:37

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to check whether the Kafka service cluster is accessible.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CheckRechargeKafkaServer.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
KafkaType	Yes	Integer	Kafka type. Valid values: 0 (Tencent Cloud CKafka) and 1 (customer's Kafka).
KafkaInstance	No	String	Tencent Cloud CKafka Instance IDWhen KafkaType is 0, KafkaInstance is required
ServerAddr	No	String	Service AddressWhen KafkaType is 1, ServerAddr is required
IsEncryptionAddr	No	Boolean	Whether the service address uses an encrypted

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			connection
Protocol	No	KafkaProtocolInfo	Encryption access protocol. Required when IsEncryptionAddr parameter is set to true

3. Output Parameters

Parameter Name	Type	Description
Status	Integer	Kafka cluster accessibility. 0: Accessible. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Checking Whether a Kafka Service Address Is Accessible

This example shows you how to check whether a Kafka service address is accessible.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateCosRecharge
<Common request parameters>

{
"KafkaType": 1,
"ServerAddr": "est.cls.tencentyun.com:9095",
"IsEncryptionAddr": false
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx",
```

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```
"Status": 0
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.

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COS Shipping Task APIs
CreateShipper

Last updated：2024-04-15 19:58:44

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a task to ship to COS. Note: To use this API, you need to check whether you have configured the role and permission for shipping to COS. If not, see **Viewing and Configuring Shipping Authorization** at https://intl.cloud.tencent.com/document/product/614/71623.?from_cn_redirect=1

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateShipper.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	ID of the log topic to which the shipping rule to be created belongs
Bucket	Yes	String	Destination bucket in the shipping rule to be created
Prefix	Yes	String	Prefix of the shipping directory in the shipping rule to be

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			created
ShipperName	Yes	String	Shipping rule name
Interval	No	Integer	Interval between shipping tasks (in sec). Default value: 300. Value range: 300-900
MaxSize	No	Integer	Maximum size of a file to be shipped, in MB. Default value: 256. Value range: 5-256
FilterRules.N	No	Array of FilterRuleInfo	Filter rules for shipped logs. Only logs matching the rules can be shipped. All rules are in the AND relationship, and up to five rules can be added. If the array is empty, no filtering will be performed, and all logs will be shipped.
Partition	No	String	Rules for partitioning logs to be shipped. `strftime` can be used to define the presentation of time format.
Compress	No	CompressInfo	Compression configuration of shipped log
Content	No	ContentInfo	Format configuration of shipped log content
FilenameMode	No	Integer	Naming a shipping file. Valid values: `0` (by random number); `1` (by shipping time). Default value: `0` .
StartTime	No	Integer	Start time for data shipping, which cannot be earlier than the lifecycle start time of the log topic. If you do not specify this parameter, it will be set to the time when you create the data shipping task.
EndTime	No	Integer	End time for data shipping, which cannot be set to a future time. If you do not specify this parameter, it indicates continuous data shipping.
StorageType	No	String	COS bucket storage type

3. Output Parameters

Parameter Name	Type	Description
ShipperId	String	Shipping task ID.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a

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		RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Shipping Rule

This example shows you how to create a COS shipping task rule.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateShipper
<Common request parameters>

{
"TopicId": "xxxx-xx-xx-xx-xxxxxxxx",
"Bucket": "test-1250000001",
"Prefix": "test",
"ShipperName": "myname",
"Interval": 300,
"MaxSize": 256,
"Partition": "%Y%m%d",
"Compress": {
"Format": "none"
},
"FilterRules": [
{
"Key": "",
"Regex": "",
"Value": ""
}
],
"FilenameMode": 0
}
```

Output Example

```
{
"Response": {
"ShipperId": "xxxx-xx-xx-xx-xxxxxxxx",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
```

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```
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.ShipperConflict	Shipping rule naming conflict.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded.Shipper	The number of shipping rules exceeds the limit.

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MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DeleteShipper

Last updated：2024-04-15 19:58:43

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a COS shipping task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteShipper.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ShipperId	Yes	String	Shipping rule ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Deleting a COS Shipping Task

This example shows you how to delete a COS shipping task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteShipper
<Common request parameters>

{
"ShipperId": "xxxxxxx-xxx-xxx-xxx-xxxxxxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ShipperNotExist	The shipping rule does not exist.

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DescribeShipperTasks

Last updated：2024-04-15 19:58:43

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the list of shipping tasks.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeShipperTasks.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ShipperId	Yes	String	Shipping rule ID
StartTime	Yes	Integer	Query start timestamp in milliseconds, which can be within the last three days
EndTime	Yes	Integer	Query end timestamp in milliseconds

3. Output Parameters

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Parameter Name	Type	Description
Tasks	Array of ShipperTaskInfo	Shipping task list Note: this field may return `null` , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the List of Shipping Tasks

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeShipperTasks
<Common request parameters>

{
"ShipperId": "xxxxx-xxx-xx-xxx-xxxxx",
"StartTime": 978653222,
"EndTime": 978653333
}
```

Output Example

```
{
"Response": {
"Tasks": [
{
"TaskId": "xxxxx-xx-xx-xx",
"ShipperId": "xxxxx-xx-xx-xx",
"TopicId": "xxxxx-xx-xx-xx",
"RangeStart": "978653222",
"RangeEnd": "978653222",
"StartTime": "978653222",
"EndTime": "978653222",
"Status": "success",
"Message": "success"
```

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```
}
],
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.

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MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ShipperNotExist	The shipping rule does not exist.

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DescribeShippers

Last updated：2024-04-15 19:58:43

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get the configuration of the task shipped to COS.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeShippers.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Filters.N	No	Array of Filter	- shipperName: Filter by **shipping rule name**. Type: String. Required: No. - shipperId: Filter by **shipping rule ID**. Type: String. Required: No. - topicId: Filter by **log topic**. Type: String. Required: No. Each request can have up to 10 `Filters` and 100 `Filter.Values` .
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20.

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			Maximum value: 100

3. Output Parameters

Parameter Name	Type	Description
Shippers	Array of ShipperInfo	Shipping rule list Note: this field may return `null`, indicating that no valid values can be obtained.
TotalCount	Integer	Total number of results obtained in this query
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the Configuration of the Task Shipped to COS

This example shows you how to get the configuration of the task shipped to COS.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeShippers
<Common request parameters>

{
"Filters": [
{
"Key": "shipperId",
"Values": [
"xxxx-xxx-xxxx"
]
}
],
"Offset": 0,
"Limit": 10
}
```

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Output Example


```
{
"Response": {
"Shippers": [
{
"ShipperId": "c9a96b57-9f35-4800-b5c7-6ce6173b7db5",
"TopicId": "ab14dfa7-e9eb-4cd4-8300-2f35145f145e",
"Bucket": "0052d6c8apbeijing100008449822-1254077820",
"Prefix": "ab14dfa7-e9eb-4cd4-8300-2f35145f145e-1601543434",
"ShipperName": "ap-beijing-carywu-1601543434",
"Interval": 300,
"MaxSize": 100,
"Status": true,
"FilterRules": [],
"Partition": "/%Y/%m/%d/%H/",
"Compress": {
"Format": "gzip"
},
"Content": {
"Format": "json"
},
"CreateTime": "2020-10-01 17:10:32",
"FilenameMode": 0
}
],
"TotalCount": 1,
"RequestId": "99bf3fb9-eb09-41e1-aac7-7e4e7ed08f5d"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit has been reached.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyShipper

Last updated：2024-04-15 19:58:43

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify an existing shipping rule. To use this API, you need to grant CLS the write permission of the specified bucket.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyShipper.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ShipperId	Yes	String	Shipping rule ID
Bucket	No	String	New destination bucket in shipping rule
Prefix	No	String	New destination directory prefix in shipping rule
Status	No	Boolean	Shipping rule status
ShipperName	No	String	Shipping rule name

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Interval	No	Integer	Shipping time interval in seconds. Default value: 300. Value range: 300 to 900
MaxSize	No	Integer	Maximum size of a file to be shipped, in MB. Default value: 256. Value range: 5 to 256
FilterRules.N	No	Array of FilterRuleInfo	Filter rules for shipped logs. Only logs matching the rules can be shipped. All rules are in the AND relationship, and up to five rules can be added. If the array is empty, no filtering will be performed, and all logs will be shipped.
Partition	No	String	Partition rule of shipped log, which can be represented in `strftime` time format
Compress	No	CompressInfo	Compression configuration of shipped log
Content	No	ContentInfo	Format configuration of shipped log content
FilenameMode	No	Integer	Naming a shipping file. Valid values: `0` (by random number), `1` (by shipping time). Default value: `0`.
StorageType	No	String	COS bucket type

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a COS Shipping Task

This example shows you how to modify a COS shipping task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
```

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```
X-TC-Action: ModifyShipper
<Common request parameters>

{
"ShipperId": "xxxx-xx-xx-xx-xxxxxxxx",
"Bucket": "test-1250000001",
"Prefix": "test",
"ShipperName": "myname",
"Interval": 300,
"MaxSize": 256,
"Partition": "%Y%m%d",
"Compress": {
"Format": "none"
},
"FilterRules": [
{
"Key": "",
"Regex": "",
"Value": ""
}
],
"FilenameMode": 0
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.ShipperNotExist	The shipping rule does not exist.

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RetryShipperTask

Last updated：2024-04-15 19:58:42

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to retry a failed shipping task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RetryShipperTask.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
ShipperId	Yes	String	Shipping rule ID
TaskId	Yes	String	Shipping task ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Retrying a Failed Shipping Task

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: RetryShipperTask
<Common request parameters>

{
"ShipperId": "xxxxxxxx-xxx-xxx-xxxxxxx",
"TaskId": "xxxxxxxx-xxx-xxx-xxxx-xxxxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	Operation failed.
FailedOperation.ShipperTaskNotToRetry	Shipping task retry is not allowed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.ShipperNotExist	The shipping rule does not exist.
ResourceNotFound.ShipperTaskNotExist	The shipping task does not exist.

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SCF Delivery Task APIs
CreateDeliverCloudFunction

Last updated：2024-04-15 19:58:28

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a delivery SCF task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDeliverCloudFunction.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Topic id belonging to the delivery rule
FunctionName	Yes	String	Cloud Function name for delivery
Namespace	Yes	String	Namespace
Qualifier	Yes	String	Function version
Timeout	No	Integer	Maximum waiting time for delivery. Unit: seconds

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MaxMsgNum	No	Integer	Maximum number of messages to deliver

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Delivery SCF Task

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDeliverCloudFunction
<Common request parameters>
{
"TopicId": "7953cd3d-993f-4813-822d-1dc65f5ba111",
"FunctionName": "test-client-log-handler",
"Namespace": "default",
"Timeout": 60,
"Qualifier": "$LATEST"
}
```

Output Example

```
{
"Response": {
"RequestId": "01fd5bcc-d7d4-4edb-9ff5-7ecfc305b831"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.

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Scheduled SQL Analysis APIs
DeleteScheduledSql

Last updated：2024-04-15 19:58:27

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to delete a scheduled SQL analysis task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteScheduledSql.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TaskId	Yes	String	Task ID
SrcTopicId	Yes	String	Source Log Topic ID

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Scheduled SQLI Task

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteScheduledSql
<Common request parameters>

{
"SrcTopicId": "6ef60bec-0242-43af-bb20-270359fb54xx",
"TaskId": "6ef60bec-0242-43af-bb20-270359fbxxx"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DataFromTaskNotExist	The data processing task does not exist.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.DataFromTaskNotExist	Data processing task does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeScheduledSqlInfo

Last updated：2024-04-15 19:58:27

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to access the scheduled SQL analysis task list.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeScheduledSqlInfo.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Offset	No	Integer	Page offset. Default value: 0
Limit	No	Integer	Maximum number of entries per page. Default value: 20. Maximum value: 100.
Name	No	String	Task name.
TaskId	No	String	Task ID.
Filters.N	No	Array of Filter	• srcTopicName: Filter by Source Log Topic Name, fuzzy match. Type: String. Required: No

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			• dstTopicName: Filter by Destination Log Topic Name, fuzzy match. Type: String. Required: No • srcTopicId: Filter by Source Log Topic ID. Type: String. Required: No • dstTopicId: Filter by Destination Log Topic ID. Type: String. Required: No • bizType: Filter by Topic Type, 0: log topic; 1: metric topic. Type: String. Required: No • status: Filter by Task Status, 1: running; 2: stopped. Type: String. Required: No • taskName: Filter by Task Name, fuzzy match. Type: String. Required: No • taskId: Filter by Task ID, fuzzy match. Type: String. Required: No

3. Output Parameters

Parameter Name	Type	Description
ScheduledSqlTaskInfos	Array of ScheduledSqlTaskInfo	Scheduled SQL Task List Information
TotalCount	Integer	Total number of tasks
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Accessing the Scheduled SQL Task List

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeScheduledSqlInfo
<Common request parameters>
{}
```

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Output Example


```
{
"Response": {
"TotalCount": 1,
"RequestId": "6ef60bec-0242-43af-bb20-270359fb5xxxx",
"ScheduledSqlTaskInfos": [
{
"Status": 1,
"EnableFlag": 2,
"UpdateTime": "2023-07-28 11:36:00",
"Name": "test",
"DstResource": {
"TopicId": "6ef60bec-0242-43af-bb20-270359fb5xxx",
"Region": "ap-guangzhou",
"BizType": 1,
"MetricName": "pv"
},
"ProcessTimeWindow": "@m-15m,@m",
"ProcessPeriod": 5,
"ProcessStartTime": "2023-07-28 11:36:00",
"SrcTopicRegion": "ap-guangzhou",
"SrcTopicName": "test-topic",
"ScheduledSqlContent": "* | select count(*) as pv",
"SrcTopicId": "6ef60bec-0242-43af-bb20-270359fb5xxxx",
"ProcessDelay": 60,
"TaskId": "6ef60bec-0242-43af-bb20-270359fb5xxxx",
"ProcessType": 1,
"CreateTime": "2023-07-28 11:36:00",
"ProcessEndTime": "2023-07-28 11:36:00",
"SyntaxRule": 0
}
]
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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CreateScheduledSql

Last updated：2024-04-15 19:58:28

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a scheduled SQL analysis task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateScheduledSql.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
SrcTopicId	Yes	String	Source log topic
Name	Yes	String	Task name
EnableFlag	Yes	Integer	Task start status. 1: Enabled, 2: Disabled
DstResource	Yes	ScheduledSqlResouceInfo	Target log topic for scheduled SQL analysis
ScheduledSqlContent	Yes	String	Query statement

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ProcessStartTime	Yes	Integer	Schedule start time, Unix timestamp, in milliseconds
ProcessType	Yes	Integer	Schedule type: 1: Continuous running; 2: Specified time range
ProcessPeriod	Yes	Integer	Scheduling interval (minutes)
ProcessTimeWindow	Yes	String	Time window for a single query. If your target topic is a metric topic, it is recommended that the size of this parameter not exceed 30 minutes, otherwise, metric conversion may fail.
ProcessDelay	Yes	Integer	Execution delay (Seconds)
SrcTopicRegion	Yes	String	Source topic ID region information
ProcessEndTime	No	Integer	Schedule end time. Required field when ProcessType=2, Unix timestamp, in milliseconds
SyntaxRule	No	Integer	Query syntax rules. Default value is 0. 0: Lucene syntax, 1: CQL syntax

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	Task ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Scheduled SQL Task

This example shows you how to create a scheduled SQL task.

Input Example

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```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateScheduledSql
<Common request parameters>

{
"EnableFlag": 1,
"ProcessStartTime": 1690515360000,
"Name": "test",
"DstResource": {
"TopicId": "6ef60bec-0242-43af-bb20-270359fbxxxx",
"Region": "ap-guangzhou",
"BizType": 1,
"MetricName": "pv"
},
"ProcessTimeWindow": "@m-15m,@m",
"ProcessPeriod": 5,
"ScheduledSqlContent": "* | select count(*) as pv",
"SrcTopicId": "6ef60bec-0242-43af-bb20-270359fbxxxxx",
"ProcessDelay": 0,
"ProcessType": 1,
"SrcTopicRegion": "ap-guangzhou",
"ProcessEndTime": 1690515440000
}
```

Output Example

```
{
"Response": {
"TaskId": "abdcebec-0242-43af-bb20-270359fb54a7",
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54a7"
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DataFromTaskConflict	There is a data processing task conflict.
InvalidParameter.InvalidEtlContent	The data processing statement is invalid.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyScheduledSql

Last updated：2024-04-15 19:58:27

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a scheduled SQL analysis task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyScheduledSql.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TaskId	Yes	String	Task ID
SrcTopicId	No	String	Source log topic
EnableFlag	No	Integer	Task start status. 1: Enabled, 2: Disabled
DstResource	No	ScheduledSqlResouceInfo	Target log topic for scheduled SQL analysis
ScheduledSqlContent	No	String	Queries statements

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ProcessPeriod	No	Integer	Scheduling interval (minutes)
ProcessTimeWindow	No	String	Time window for a single query. Example: last 15 minutes
ProcessDelay	No	Integer	Execution delay (seconds)
SrcTopicRegion	No	String	Region information of source topic ID
Name	No	String	Task Name
SyntaxRule	No	Integer	Syntax rules. Default value: 0. 0: Lucene syntax, 1: CQL syntax

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Scheduled SQL Task

This example shows you how to modify a scheduled SQL task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyScheduledSql
<Common request parameters>

{
"EnableFlag": 1,
"TaskId": "6ef60bec-0242-43af-bb20-270359fxxxxx",
"DstResource": {
"TopicId": "6ef60bec-0242-43af-bb20-270359fxxxxx",
"Region": "ap-guangzhou",
```

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```
"BizType": 1,
"MetricName": "pv"
},
"ProcessTimeWindow": "@m-15m,@m",
"ProcessPeriod": 5,
"ScheduledSqlContent": "* | select count(*) as pv",
"SrcTopicId": "6ef60bec-0242-43af-bb20-270359fbxxxx",
"ProcessDelay": 0,
"SrcTopicRegion": "ap-guangzhou",
"Name": "task"
}
```


Output Example


```
{
"Response": {
"RequestId": "6ef60bec-0242-43af-bb20-270359fb54ax"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DataFromTaskConflict	There is a data processing task conflict.
InvalidParameter.InvalidEtlContent	The data processing statement is invalid.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.DataFromTaskNotExist	Data processing task does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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COS Data Import Task APIs SearchCosRechargeInfo

Last updated：2024-04-15 19:58:44

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to preview COS import information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SearchCosRechargeInfo.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	Log topic ID
LogsetId	Yes	String	Logset ID
Name	Yes	String	Delivery Task Name
Bucket	Yes	String	COS bucket, see the supported bucket naming conventions.
BucketRegion	Yes	String	The region where the COS bucket is located, see the supported

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			region list.
Prefix	Yes	String	The prefix of the folder where COS files are located
Compress	No	String	Compression mode: "", "gzip", "lzop", and "snappy". The default mode is "".

3. Output Parameters

Parameter Name	Type	Description
Data	Array of String	The first few lines of a file under a matched bucketNote: This field may return null, indicating that no valid values can be obtained.
Sum	Integer	Number of files under the matched bucket
Path	String	Current preview file path Note: This field may return null, indicating that no valid values can be obtained.
Msg	String	Reason for preview data retrieval failureNote: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Status
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Previewing COS Import Information

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: SearchCosRechargeInfo
<Common request parameters>

{
```

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```
"TopicId": "e6a94ed2-8191-49ac-ab67-90e33d2f1111",
"LogsetId": "11114ed2-8191-49ac-ab67-90e33d2f3974",
"Name": "test_name",
"Bucket": "examplebucket-1-1250000000",
"BucketRegion": "ap-guangzhou",
"Prefix": "text_prefix",
"Compress": "gzip"
}
```

Output Example

```
{
"Response": {
"Msg": "",
"Status": 0,
"Data": [
"2021-11-09 20:16:29.038 INFO apis/report.go:108 report data success, size 1",
"2021-11-09 20:16:29.039 INFO apis/report.go:108 report data success, size 1",
"2021-11-09 20:16:29.040 INFO apis/report.go:108 report data success, size 1",
"2021-11-09 20:16:29.041 INFO apis/report.go:108 report data success, size 1",
"2021-11-09 20:16:29.042 INFO apis/report.go:108 report data success, size 1"
],
"Sum": 10000,
"Path": "https://bucket1.ap-guangzhou.myqcloud.com/csv/g_xxx.gz",
"RequestId": "e6a94ed2-8191-49ac-ab67-90e33d2f3974"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
FailedOperation.BucketNoFile	No corresponding prefix files in the bucket. Please use the correct bucket, file prefix, and compression method.
FailedOperation.DecompressFile	File decompression failed. Please choose the correct compression method.
FailedOperation.DownLoadFile	Failed to download file. Please try again later.
FailedOperation.GetListFile	Failed to get the file list. Please try again later.
FailedOperation.PreviewFile	File preview failed. Please try again later.
FailedOperation.ReadFile	Failed to read file content. Please make sure the file is readable.
FailedOperation.Timeout	Operation timed out
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DbDuplication	The unique key of database conflicts.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.

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ResourceNotFound.TopicNotExist	The log topic does not exist.

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CreateCosRecharge

Last updated：2024-04-15 19:58:45

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to create a COS import task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateCosRecharge.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	ID of the log topic.
LogsetId	Yes	String	ID of the logset.
Name	Yes	String	Shipping task name.
Bucket	Yes	String	COS bucket, see the supported bucket naming conventions.
BucketRegion	Yes	String	The region where the COS bucket is located, see the

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			supported region list.
Prefix	Yes	String	The prefix of the folder where COS files are located.
LogType	Yes	String	The type of log collected. `json_log` : JSON logs; `delimiter_log` : separator logs; `minimalist_log` : full text in a single line Default value: `minimalist_log`
Compress	No	String	Valid values: supported: "", "gzip", "lzop", "snappy"; Default value: "".
ExtractRuleInfo	No	ExtractRuleInfo	Extraction rule. If `ExtractRule` is set, `LogType` must be set.

3. Output Parameters

Parameter Name	Type	Description
Id	String	cos_recharge record ID Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a COS Import Task

This example shows you how to create a COS import task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateCosRecharge
<Common request parameters>

{
"TopicId": "xxx-xxx-xxx-xxx",
```

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```
"LogsetId": "xxx-xxx-xxx-xxx",
"Name": "test_name",
"Bucket": "examplebucket-1250000000",
"BucketRegion": "ap-guangzhou",
"Prefix": "text_prefix",
"LogType": "minimalist_log",
"Compress": "gzip",
"ExtractRuleInfo": {
"TimeKey": "date",
"TimeFormat": "%Y-%m-%d %H:%M:%S",
"Delimiter": "|",
"LogRegex": ".*",
"BeginRegex": "^",
"Keys": [
"date",
"",
"content"
],
"FilterKeyRegex": [
{
"Key": "xxx",
"Regex": "ssss"
}
],
"UnMatchLogKey": "testlog",
"UnMatchUpLoadSwitch": true,
"Backtracking": -1
}
}
```

Output Example

```
{
"Response": {
"Id": "abc-dec-ff-ee",
"RequestId": "xxx-x-xx-xx"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DbDuplication	The unique key of database conflicts.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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ModifyCosRecharge

Last updated：2024-04-15 19:58:44

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to modify a COS import task.

A maximum of 20 requests can be initiated per second for this API.

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API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCosRecharge.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
Id	Yes	String	COS import configuration ID.
TopicId	Yes	String	ID of the log topic.
Name	No	String	COS import task name.
Enable	No	Integer	Whether the configuration is enabled. `0` : Not enabled, `1` : Enabled

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a COS Import Task

This example shows you how to modify a COS import task.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyCosRecharge
<Common request parameters>

{
"Id": "1",
"TopicId": "xxx-xxx-xxx-xxx",
"Name": "test_name"
}
```

Output Example

```
{
"Response": {
"RequestId": "6ef60xxx-0xxx-4xxx-bxxx-270359fb5xxx"
}
}
```

5. Developer Resources

SDK

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TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.DbDuplication	The unique key of database conflicts.
MissingParameter	Missing parameter.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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DescribeCosRecharges

Last updated：2024-04-15 19:58:45

1. API Description

Domain name for API request: cls.tencentcloudapi.com.

This API is used to get COS import configuration.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCosRecharges.
Version	Yes	String	Common Params. The value used for this API: 2020-10-16.
Region	No	String	Common Params. This parameter is not required for this API.
TopicId	Yes	String	ID of the log topic.
Status	No	Integer	Status. `0` : Created, `1` : Running, `2` : Stopped, `3` : Completed, `4` : Run failed
Enable	No	Integer	Whether the configuration is enabled. `0` : Not enabled, `1` : Enabled

3. Output Parameters

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Parameter Name	Type	Description
Data	Array of CosRechargeInfo	See the description of the `CosRechargeInfo` structure. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting COS Import Configuration

This example shows you how to get COS import configuration.

Input Example

```
POST / HTTP/1.1
Host: cls.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCosRecharges
<Common request parameters>

{
"TopicId": "xxx-xxx-xxx-xxx",
"Status": 0,
"Enable": 1
}
```

Output Example

```
{
"Response": {
"Data": [
{
"Status": 3,
"TopicId": "5590efdf-cae5-4703-8d00-2a813xxxxx",
"BucketRegion": "ap-guangzhou",
"Enable": 1,
"Name": "test",
"Progress": 1,
"Compress": "gzip",
```

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```
"Bucket": "xxxxx-1254xxxx",
"UpdateTime": "2023-03-08 14:51:14",
"Id": "0333114e-2e93-42d8-8a2f-a55de8474",
"LogType": "minimalist_log",
"Prefix": "xxx/2023/03/07/16/202303071600_000_1030.gz",
"LogsetId": "03efb75a-0f89-41b0-8cc6-9049a51fexxxx",
"CreateTime": "2023-03-08 15:29:55",
"ExtractRuleInfo": {
"LogRegex": "",
"Keys": [
"@time"
],
"TimeKey": "",
"BeginRegex": "",
"UnMatchUpLoadSwitch": true,
"Delimiter": ",",
"TimeFormat": "",
"UnMatchLogKey": "fieldName",
"Backtracking": 0
}
}
],
"RequestId": "xx-xx-xx-xx"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameter.TopicConflict	There is already a log topic with the same name in the specified logset.
LimitExceeded	The quota limit has been reached.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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Data Types

Last updated：2024-07-24 10:56:38

AlarmAnalysisConfig

Alarm configuration for the multidimensional analysis

Used by actions: CreateAlarm, ModifyAlarm.

Name	Type	Required	Description
Key	String	Yes	Keys. The following keys are supported: SyntaxRule: Syntax rule, value supports 0: Lucene syntax; 1: CQL syntax. QueryIndex: Serial number of execution statement. Value supports -1: Custom; 1: Execute Statement 1; 2: Execute Statement 2.CustomQuery: Search statement. Valid and required when QueryIndex is -1, example of value: "* | select count(*) as count".Fields: Fields. Value supports **SOURCE**; **FILENAME**; **HOSTNAME**; **TIMESTAMP**; **INDEX_STATUS**; **PKG_LOGID**; **TOPIC**. Format: Display format. Value supports 1: One log per line; 2: One field per line per log. Limit: Maximum number of logs. Example of value: 5.Note: This field may return null, indicating that no valid values can be obtained.
Value	String	Yes	Value. Key corresponds to the following values: SyntaxRule: Syntax rule, value supports 0: Lucene syntax; 1: CQL syntax. QueryIndex: Serial number of execution statement. Value supports -1: Custom; 1: Execute Statement 1; 2: Execute Statement 2.CustomQuery: Search statement. Valid and required when QueryIndex is -1, example of value: "* | select count(*) as count".Fields: Fields. Value supports **SOURCE**; **FILENAME**; **HOSTNAME**; **TIMESTAMP**; **INDEX_STATUS**; **PKG_LOGID**; **TOPIC**.Format: Display format. Value supports 1: One log per line; 2: One field per line per log.Limit: Maximum number of logs. Example of value: 5.Note: This field may return null, indicating that no valid values can be obtained.

AlarmClassification

Alarm Classification Information

Used by actions: CreateAlarm, ModifyAlarm.

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Name	Type	Required	Description
Key	String	Yes	Classification Key
Value	String	Yes	Classification Value

AlarmInfo

Alarm policy description

Used by actions: DescribeAlarms.

Name	Type	Description
Name	String	Alarm policy name
AlarmTargets	Array of AlarmTargetInfo	Monitoring object list
MonitorTime	MonitorTime	Monitoring task running time point
Condition	String	Single trigger condition. Mutually exclusive with the MultiConditions parameter.
TriggerCount	Integer	Alarm persistence cycle. An alarm will be triggered only after the corresponding trigger condition is met for the number of times specified by `TriggerCount`. Value range: 1–10.
AlarmPeriod	Integer	Repeated alarm interval in minutes. Value range: 0–1440.
AlarmNoticeIds	Array of String	List of associated alarm notification templates
Status	Boolean	Enablement status
AlarmId	String	Alarm policy ID
CreateTime	String	Creation time
UpdateTime	String	Last update time
MessageTemplate	String	Custom notification template Note: this field may return `null`, indicating that no valid values can be obtained.
CallBack	CallBackInfo	Custom callback template

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		Note: this field may return `null`, indicating that no valid values can be obtained.
Analysis	Array of AnalysisDimensional	Multi-Dimensional analysis settings Note: this field may return `null`, indicating that no valid values can be obtained.
GroupTriggerStatus	Boolean	Group trigger status. 1: Enabled, 0: Disabled (default) Note: This field may return null, indicating that no valid values can be obtained.
GroupTriggerCondition	Array of String	Group Trigger ConditionsNote: This field may return null, indicating that no valid values can be obtained.
MonitorObjectType	Integer	Type of the monitored object. 0: common monitoring objects for execution statements; 1: separately selected monitoring objects for each execution statement.Note: This field may return null, indicating that no valid values can be obtained.
AlarmLevel	Integer	Alarm severity. 0: warning (Warn); 1: Reminder (Info); 2: urgent (Critical).Note: This field may return null, indicating that no valid values can be obtained.
MultiConditions	Array of MultiCondition	Multiple trigger conditions. Exclusive with Condition.Note: This field may return null, indicating that no valid values can be obtained.

AlarmNotice

Alarm notification template type

Used by actions: DescribeAlarmNotices.

Name	Type	Description
Name	String	Alarm notification template name
Type	String	Alarm template type. Optional values: • Trigger - Alarm Trigger • Recovery - Alarm Recovery • All - Alarm Trigger and Alarm Recovery
NoticeReceivers	Array of	Information of the recipient in alarm notification template

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	NoticeReceiver	Note: this field may return `null` , indicating that no valid values can be obtained.
WebCallbacks	Array of WebCallback	Callback information of alarm notification template Note: this field may return `null` , indicating that no valid values can be obtained.
AlarmNoticeId	String	Alarm notification template ID Note: this field may return `null` , indicating that no valid values can be obtained.
CreateTime	String	Creation time Note: this field may return `null` , indicating that no valid values can be obtained.
UpdateTime	String	Last update time Note: this field may return `null` , indicating that no valid values can be obtained.
NoticeRules	Array of NoticeRule	Notification rules.Note: This field may return null, indicating that no valid values can be obtained.

AlarmShieldInfo

Alarm suppression task configuration

Used by actions: DescribeAlarmShields.

Name	Type	Description
AlarmNoticeId	String	Notification Channel Group ID
TaskId	String	Shield Rule ID
StartTime	Integer	Block start time (second-level timestamp).
EndTime	Integer	Block end time (second-level timestamp).
Type	Integer	Block type. 1: Block all notifications, 2: Block matching rules notifications according to the Rule parameter.
Rule	String	Rule for shielding, mandatory when Type is 2. See Product Documentation (https://intl.cloud.tencent.com/document/product/614/103178?from_cn_redirect=1#rule) for rule writing details.Note: This field may return null, indicating that no valid values can be obtained.

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Reason	String	Blocking reason.
Source	Integer	Rule Creation Source. 1. Console; 2. API; 3. Alarm notification
Operator	String	Operator.
Status	Integer	Rule Status. 0: Not yet effective; 1: In effect; 2: Expired
CreateTime	Integer	Rule Creation Time.
UpdateTime	Integer	Rule Update Time.

AlarmTarget

Monitoring object

Used by actions: CreateAlarm, ModifyAlarm.

Name	Type	Required	Description
TopicId	String	Yes	Log topic IDNote: This field may return null, indicating that no valid values can be obtained.
Query	String	Yes	Query statementNote: This field may return null, indicating that no valid values can be obtained.
Number	Integer	Yes	Serial number of alarm object, which is incremental from 1.Note: This field may return null, indicating that no valid values can be obtained.
StartTimeOffset	Integer	Yes	Offset of the query start time from the alarm execution time in minutes. The value cannot be positive. Maximum value: 0. Minimum value: -1440.Note: This field may return null, indicating that no valid values can be obtained.
EndTimeOffset	Integer	Yes	Offset of the query end time from the alarm execution time in minutes. The value cannot be positive and must be greater than StartTimeOffset. Maximum value: 0. Minimum value: -1440.Note: This field may return null, indicating that no valid values can be obtained.
LogsetId	String	Yes	Logset IDNote: This field may return null, indicating that no valid values can be obtained.

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SyntaxRule	Integer	No	Search syntax rules; default value: 0.0: Lucene syntax; 1: CQL syntax.For detailed instructions, see Search Condition Syntax Rules Note: This field may return null, indicating that no valid values can be obtained.

AlarmTargetInfo

Alarm object

Used by actions: DescribeAlarms.

Name	Type	Description
LogsetId	String	Logset ID
LogsetName	String	Logset name
TopicId	String	Log topic ID
TopicName	String	Log topic name
Query	String	Query statement
Number	Integer	Monitoring object number
StartTimeOffset	Integer	Offset of the query start time from the alarm execution time in minutes. The value cannot be positive. Value range: -1440–0.
EndTimeOffset	Integer	Offset of the query end time from the alarm execution time in minutes. The value cannot be positive and must be greater than `StartTimeOffset`. Value range: -1440–0.

AlertHistoryNotice

Details about an alarm notification group

Used by actions: DescribeAlertRecordHistory.

Name	Type	Description
Name	String	Notification group name
AlarmNoticeId	String	Notification group ID

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AlertHistoryRecord

Alarm record details

Used by actions: DescribeAlertRecordHistory.

Name	Type	Required	Description
RecordId	String	Yes	Alarm record ID
AlarmId	String	Yes	Alarm policy ID
AlarmName	String	Yes	Alarm policy name
TopicId	String	Yes	ID of the monitored object
TopicName	String	Yes	Name of the monitored object
Region	String	Yes	Region of the monitored object
Trigger	String	Yes	Trigger condition
TriggerCount	Integer	Yes	Number of cycles for which the alarm lasts. An alarm will be triggered only after the trigger condition is met for the number of cycles specified by `TriggerCount` .
AlarmPeriod	Integer	Yes	Alarm notification frequency (minutes)
Notices	Array of AlertHistoryNotice	Yes	Notification group
Duration	Integer	Yes	Alarm duration (minutes)
Status	Integer	Yes	Alarm status. Valid values: `0` (uncleared), `1` (cleared), `2` (expired)
CreateTime	Integer	Yes	Alarm generation time, which is a Unix timestamp in ms
GroupTriggerCondition	Array of GroupTriggerConditionInfo	No	Group information corresponding to triggering by group Note: This field may return null,

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			indicating that no valid values can be obtained.
AlarmLevel	Integer	No	Alarm severity. Valid values: `0` (Warn), `1` (Info), `2` (Critical) Note: This field may return null, indicating that no valid values can be obtained.
MonitorObjectType	Integer	No	Type of the monitored object `0` : The same object is specified for all statements. `1` : An object is separately specified for each statement. Note: This field may return null, indicating that no valid values can be obtained.

AnalysisDimensional

Multi-Dimensional analysis dimension

Used by actions: CreateAlarm, DescribeAlarms, ModifyAlarm.

Name	Type	Required	Description
Name	String	Yes	Analysis name Note: This field may return null, indicating that no valid values be obtained.
Type	String	Yes	Type of data being analyzed. Valid values: `query` , `field` `original` Note: This field may return null, indicating that no valid values be obtained.
Content	String	Yes	Analysis content Note: This field may return null, indicating that no valid values be obtained.
ConfigInfo	Array of AlarmAnalysisConfig	No	Multi-dimensional analysis configuration. Supported when the type field of Analysis is query (custom){ "Key": "SyntaxRule", // Syntax rules"Value": "1" // 0: Lucene sy 1: CQL syntax}

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			Supported when the Type field of Analysis is field (top5) {
			"Key": "QueryIndex",
			"Value": "-1" // -1: Custom, 1: Execute Statement 1, 2: Execute Statement 2},{
			"Key": "CustomQuery", // Search statement. Valid and required when QueryIndex is -1 "Value": "* | select count() as count"
			},{
			"Key": "SyntaxRule", // If this field cannot be found, it's assumed to be the legacy syntax (Lucene)
			"Value": "0"//0:Lucene, 1:CQL
			}
			
			When the Type field of Analysis is original (original log), it supports
			{
			"Key": "Fields",
			"Value":
			"**SOURCE**,**HOSTNAME**,**TIMESTAMP**,**PKG_LOGID**,**TAG**.pc
			}, {
			"Key": "QueryIndex",
			"Value": "-1" // -1: Custom, 1: Execute Statement 1, 2: Execute Statement 2},{
			"Key": "CustomQuery", // //Search statement. Valid and required when QueryIndex is -1 "Value": " | select count(*) as count"
			},{
			"Key": "Format", // Display format. 1: One log per line, 2: One field per line for each log "Value": "2"
			},
			{
			"Key": "Limit", // Maximum number of logs "Value": "5"
			},{
			"Key": "SyntaxRule", // If this field cannot be found, it's considered the legacy syntax
			"Value": "0"//0:Lucene, 1:CQL
			}
			Note: This field may return null, indicating that no valid values can be obtained.

CallBackInfo

Callback configuration

Used by actions: CreateAlarm, DescribeAlarms, ModifyAlarm.

Name	Type	Required	Description

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Body	String	Yes	`Body` during callback
Headers	Array of String	No	`Headers` during callback Note: this field may return `null` , indicating that no valid values can be obtained.

Ckafka

Information of the CKafka instance to ship to

Used by actions: CreateConsumer, DescribeConsumer, ModifyConsumer.

Name	Type	Required	Description
Vip	String	Yes	CKafka VIP
Vport	String	Yes	CKafka Vport
InstanceId	String	Yes	CKafka instance ID
InstanceName	String	Yes	CKafka instance name
TopicId	String	Yes	CKafka topic ID
TopicName	String	Yes	CKafka topic name

Column

Column attribute of log analysis

Used by actions: GetAlarmLog, SearchLog.

Name	Type	Description
Name	String	Column name
Type	String	Column attribute

CompressInfo

Compression configuration of shipped log

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Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

Name	Type	Required	Description
Format	String	Yes	Compression format. Valid values: `gzip` ; `lzop` ; `snappy` ; `none` (no compression)

ConfigInfo

Collection rule configuration information

Used by actions: DescribeConfigs, DescribeMachineGroupConfigs.

Name	Type	Description
ConfigId	String	Collection rule configuration ID
Name	String	Name of the collection rule configuration Note: This field may return null, indicating that no valid values can be obta
LogFormat	String	Log formatting method Note: this field may return `null` , indicating that no valid values can be
Path	String	Log collection path Note: this field may return `null` , indicating that no valid values can be
LogType	String	Type of collected logs.- json_log: JSON File Log (For more information, se Delimiter - File Logs (For more information, see Using delimiter pattern to (For more information, see Using single-line full-text pattern to collect logs log (For more information, see Using single-line - complete regular expres text File Log (For more information, see Using multi-line full-text pattern to regular expression - File Logs (For more information, see Using multi-line user_define_log: Combined parsing (Suitable for logs with multiple nested logs);- service_syslog: syslog collection (For more information, see Collect event logs (see Collecting Windows Event Logs (https://intl.cloud.tencent.c for details.).Note: This field may return null, indicating that no valid values
ExtractRule	ExtractRuleInfo	Extraction rule. If `ExtractRule` is set, `LogType` must be set Note: this field may return `null` , indicating that no valid values can be
ExcludePaths	Array of ExcludePathInfo	Collection path blocklist Note: this field may return `null` , indicating that no valid values can be
Output	String	Log topic ID (TopicId) of collection configuration

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UpdateTime	Timestamp	Update time Note: this field may return `null` , indicating that no valid values can be c
CreateTime	Timestamp	Creation time
UserDefineRule	String	User-defined parsing strings, see Collecting Logs Using Combined Parsin (https://intl.cloud.tencent.com/document/product/614/61310?from_cn_rec indicating that no valid values can be obtained.
AdvancedConfig	String	Advanced collection configuration. A JSON string, Key/Value definition as range: an integer greater than or equal to 0, where 0 means no timeout- Cl range: an integer greater than or equal to 0- ClsAgentParseFailMerge (me falseSample: `{\"ClsAgentFileTimeout\":0,\"ClsAgentMaxDep` Default placeholder value in the console: `{"ClsAgentDefault":0}` N values can be obtained.

ConsumerContent

Shipping content

Used by actions: CreateConsumer, DescribeConsumer, ModifyConsumer.

Name	Type	Required	Description
EnableTag	Boolean	Yes	Whether to deliver TAG information. When EnableTag is true, it indicates the delivery of TAG metadata.Note: This field may return null, indicating that no valid values can be obtained.
MetaFields	Array of String	Yes	List of metadata to ship. Supported metadata types: __SOURCE__, __FILENAME__, __TIMESTAMP__, __HOSTNAME__, and __PKGID__. Note: This field may return null, indicating that no valid values ca be obtained.
TagJsonNotTiled	Boolean	No	When EnableTag is true, the TagJsonNotTiled field must be filled.TagJsonNotTiled is used to indicate whether tag informatio is JSON flattened.When TagJsonNotTiled is true, it is not flattened. Example:TAG information: `{"__TAG__": {"fieldA":200,"fieldB":"text"}}` Untiled: `{"__TAG__": {"fieldA":200,"fieldB":"text"}}` When TagJsonNotTiled is false, the data is tiled. Example:TAG

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			information: `{"__TAG__":{"fieldA":200,"fieldB":"text"}}` Tiled: `{"__TAG__.fieldA":200,"__TAG__.fieldB":"text"` Note: This field may return null, indicating that no valid values ca be obtained.
TimestampAccuracy	Integer	No	Delivery timestamp precision, optional [1: second; 2: millisecond default is 1.Note: This field may return null, indicating that no vali values can be obtained.
JsonType	Integer	No	Deliver in JSON format.JsonType is 0: Consistent with the origin log, no escape. Example: Original log: `{"a":"aa", "b":{"b1":"b1b1", "c1":"c1c1"}}` Deliver to CKafka: `{"a":"aa", "b":{"b1":"b1b1", "c1":"c1c1"}}` JsonType is 1: Escaped. Example:Original log: `{"a":"aa", "b":{"b1":"b1b1", "c1":"c1c1"}}` Delivered to CKafka: `{"a":"aa","b":"{\"b1\":\"b1b1\", \"c1\":\"c1c1\"}"}` Note: This field may return null, indicating that no valid values ca be obtained.

ContentInfo

Format configuration of shipped log content

Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

Name	Type	Required	Description
Format	String	Yes	Content format. Valid values: `json` , `csv`
Csv	CsvInfo	No	CSV format content description Note: this field may return `null` , indicating that no valid values can be obtained.
Json	JsonInfo	No	JSON format content description Note: this field may return `null` , indicating that no valid values can be obtained.
Parquet	ParquetInfo	No	`Parquet` format description Note: This field may return `null` , indicating that no valid value can be obtained.

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CosRechargeInfo

COS import configuration information.

Used by actions: DescribeCosRecharges.

Name	Type	Description
Id	String	COS import configuration ID. Note: This field may return null, indicating that no valid values can be obtained.
TopicId	String	ID of the log topic. Note: This field may return null, indicating that no valid values can be obtained.
LogsetId	String	ID of the logset. Note: This field may return null, indicating that no valid values can be obtained.
Name	String	COS import task name. Note: This field may return null, indicating that no valid values can be obtained.
Bucket	String	COS bucket. Note: This field may return null, indicating that no valid values can be obtained.
BucketRegion	String	Region where the COS bucket is located. Note: This field may return null, indicating that no valid values can be obtained.
Prefix	String	The prefix of the folder where COS files are located. Note: This field may return null, indicating that no valid values can be obtained.
LogType	String	The type of log collected. `json_log` : JSON logs; `delimiter_log` : separator logs; `minimalist_log` : full text in a single line Default value: `minimalist_log` Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Status. `0` : Created, `1` : Running, `2` : Stopped, `3` : Completed, `4` : Run failed

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		Note: This field may return null, indicating that no valid values can be obtained.
Enable	Integer	Whether the configuration is enabled. `0` : Not enabled, `1` : Enabled Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time. Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time. Note: This field may return null, indicating that no valid values can be obtained.
Progress	Integer	Progress in percentage. Note: This field may return null, indicating that no valid values can be obtained.
Compress	String	Valid values: "" (default), "gzip", "lzop", "snappy" Note: This field may return null, indicating that no valid values can be obtained.
ExtractRuleInfo	ExtractRuleInfo	See the description of the `ExtractRuleInfo` structure. Note: This field may return null, indicating that no valid values can be obtained.

CsvInfo

CSV content description

Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

Name	Type	Required	Description
PrintKey	Boolean	Yes	Whether to print `key` on the first row of the CSV file
Keys	Array of String	Yes	Names of keys Note: this field may return `null` , indicating that no valid values can be obtained.
Delimiter	String	Yes	Field delimiter
EscapeChar	String	Yes	Escape character used to enclose any field delimiter in field content. You can enter only a single quotation mark, double

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			quotation mark, or an empty string.
NonExistingField	String	Yes	Content used to populate non-existing fields

DataTransformResouceInfo

Information about the resource for data processing

Used by actions: CheckFunction, CreateDataTransform, DescribeDataTransformInfo, ModifyDataTransform.

Name	Type	Required	Description
TopicId	String	Yes	Target topic ID
Alias	String	Yes	Alias

DataTransformTaskInfo

Basic information of a data processing task

Used by actions: DescribeDataTransformInfo.

Name	Type	Description
Name	String	Data processing task name
TaskId	String	Data processing task ID
EnableFlag	Integer	Task status. Valid values: 1 (enabled) and 2 (disabled).
Type	Integer	Task type. Valid values: 1 (DSL) and 2 (SQL).
SrcTopicId	String	Source log topic
Status	Integer	Current task status. Valid values: 1 (preparing), 2 (in progress), 3 (being stopped), and 4 (stopped).
CreateTime	String	Task creation time
UpdateTime	String	Last modified time
LastEnableTime	String	Last enabled time. If you need to rebuild a cluster, modify this time.

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SrcTopicName	String	Log topic name
LogsetId	String	Logset ID
DstResources	Array of DataTransformResouceInfo	Target topic ID and alias of the data processing task
EtlContent	String	Logical function for data processing

DynamicIndex

Key-value index auto-configuration enables automatic addition of fields from logs into the key-value index, including subsequently added fields in the logs.

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description
Status	Boolean	No	Key-Value Index Auto-Config Switch Note: This field may return null, indicating that no valid values can be obtained.

EventLog

Windows event log collection configuration

Used by actions: CreateConfig, CreateCosRecharge, DescribeConfigs, DescribeCosRecharges, DescribeMachineGroupConfigs, ModifyConfig.

Name	Type	Required	Description
EventChannel	String	Yes	Event channel, supports Application, Security, Setup, System, ALL
TimeType	Integer	Yes	Time type, 1: User-defined, 2: Current time
Timestamp	Integer	No	Time, when choosing custom time type, a specific time is required
EventIDs	Array of String	No	Event ID filter list

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ExcludePathInfo

Blocklist path information

Used by actions: CreateConfig, DescribeConfigs, DescribeMachineGroupConfigs, ModifyConfig.

Name	Type	Required	Description
Type	String	Yes	Type. Valid values: `File` , `Path`
Value	String	Yes	Specific content corresponding to `Type`

ExportInfo

Log export information

Used by actions: DescribeExports.

Name	Type	Description
TopicId	String	Log topic ID
ExportId	String	Log export task ID
Query	String	Log export query statement
FileName	String	Log export filename
FileSize	Integer	Log file size
Order	String	Log export time sorting
Format	String	Log export format
Count	Integer	Number of logs to be exported
Status	String	Log download status. Valid values: `Processing` , `Completed` , `Failed` , `Expired` (three-day validity period), and `Queuing` .
From	Integer	Log export start time
To	Integer	Log export end time
CosPath	String	Log export path, valid for one hour. Please download using this path as soon as possible.

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CreateTime	String	Log export creation time
SyntaxRule	Integer	Syntax rules. The default value is 0.0: Lucene syntax, 1: CQL syntax.

ExtractRuleInfo

Log extraction rule

Used by actions: CreateConfig, CreateCosRecharge, DescribeConfigs, DescribeCosRecharges, DescribeMachineGroupConfigs, ModifyConfig.

Name	Type	Required	Description
TimeKey	String	No	Key name for the time field. TikeKey and TimeFormat must appear in pairsNote: This field may return null, indicating that no valid values can be obtained.
TimeFormat	String	No	Time field format. For more information, please see the output parameters of the time format description of the `strftime` function in C language Note: this field may return `null`, indicating that no valid values can be obtained.
Delimiter	String	No	Delimiter for log type. Valid only when LogType is delimiter_logNote: This field may return null, indicating that no valid values can be obtained.
LogRegex	String	No	Full log matching rule. Valid only if LogType is fullregex_logNote: This field may return null, indicating that no valid values can be obtained.
BeginRegex	String	No	Line beginning matching rule, valid only if LogType is multiline_log or fullregex_logNote: This field may return null, indicating that no valid values can be obtained.
Keys	Array of String	No	Key name of each extracted field. An empty key indicates discarding the field. Valid only if LogType is delimiter_log. json_log logs use the key of JSON itself. Limited to 100.Note: This field may return null, indicating that no valid values can be obtained.
FilterKeyRegex	Array of KeyRegexInfo	No	Log filter rule list (previous version), keys to be filtered in the log and their corresponding

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			regex.Note: For LogListener version 2.9.3 and later, it is recommended to use the AdvanceFilterRules configuration for log filtering.Note: This field may return null, indicating that no valid values can be obtained.
UnMatchUpLoadSwitch	Boolean	No	Whether to upload the logs that failed to be parsed. Valid values: `true` : yes; `false` : no Note: this field may return `null` , indicating that no valid values can be obtained.
UnMatchLogKey	String	No	Unmatched log key Note: this field may return `null` , indicating that no valid values can be obtained.
Backtracking	Integer	No	Backtracking data volume under incremental collection pattern, default -1 indicates full collection; other non-negative numbers indicate incremental collection (collect logs backward from the latest position by ${Backtracking} bytes) with a maximum support of 1073741824 (1G).Note: This field may return null, indicating that no valid values can be obtained.
IsGBK	Integer	No	Whether to be encoded in GBK format. Valid values: `0` (No) and `1` (Yes). Note: This field may return null, indicating that no valid values can be obtained.
JsonStandard	Integer	No	Whether to be formatted as JSON (standard). Valid values: `0` (No) and `1` (Yes). Note: This field may return null, indicating that no valid values can be obtained.
Protocol	String	No	Syslog protocol. Valid values: `tcp` , `udp` . This field can be used when you create or modify collection rule configurations. Note: This field may return null, indicating that no valid values can be obtained.
Address	String	No	Listening address and port specified by the syslog collection. Format: [ip]:[port]. Example: 127.0.0.1:9000. This field can be used when you create or modify collection rule configurations.

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			Note: This field may return null, indicating that no valid values can be obtained.
ParseProtocol	String	No	`rfc3164` : Resolve logs by using the RFC 3164 protocol during the syslog collection. `rfc5424` : Resolve logs by using the RFC 5424 protocol during the syslog collection. `auto` : Automatically match either the RFC 3164 or RFC 5424 protocol. This field can be used when you create or modify collection rule configurations. Note: This field may return null, indicating that no valid values can be obtained.
MetadataType	Integer	No	Metadata type. Valid values: 0: Do not use metadata. 1: Use machine group metadata. 2: Use user-defined metadata. 3: Use the collection path to extract metadata.
PathRegex	String	No	Regular expression of the collection configuration path, which is required when `MetadataType` is set to `3` Note: This field may return null, indicating that no valid values can be obtained.
MetaTags	Array of MetaTagInfo	No	User-defined metadata, which is required when `MetadataType` is set to `2` .
EventLogRules	Array of EventLog	No	Windows event log collection

Filter

Filter

Used by actions: DescribeAlarmNotices, DescribeAlarmShields, DescribeAlarms, DescribeAlertRecordHistory, DescribeConfigs, DescribeDataTransformInfo, DescribeLogsets, DescribeMachineGroups, DescribeScheduledSqlInfo, DescribeShippers, DescribeTopics.

Name	Type	Required	Description
Key	String	Yes	Field to be filtered

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Values	Array of String	Yes	Value to be filtered

FilterRuleInfo

Filter rule for shipped log

Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

Name	Type	Required	Description
Key	String	Yes	Filter rule key
Regex	String	Yes	Filter rule
Value	String	Yes	Filter rule value

FullTextInfo

Full-Text index configuration

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description
CaseSensitive	Boolean	Yes	Case sensitivity
Tokenizer	String	Yes	Separator of the full-text index. Each character represents a separator. Only symbols, \n\t\r, and escape character \ are supported. Note: \n\t\r can be directly enclosed in double quotes as the input parameter without escaping. When debugging with API Explorer, use the JSON parameter input method to avoid repeated escaping of \n\t\r.
ContainZH	Boolean	No	Whether Chinese characters are contained Note: this field may return `null` , indicating that no valid values can be obtained.

GroupTriggerConditionInfo

Condition of triggering by group

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Used by actions: DescribeAlertRecordHistory.

Name	Type	Description
Key	String	Name of the field for triggering by group
Value	String	Value of the field for triggering by group

HighLightItem

Highlighted Log Description Information

Used by actions: DescribeLogContext.

Name	Type	Description
Key	String	Highlighted Log Key
Values	Array of String	Highlighted Syntax

HistogramInfo

Histogram details

Used by actions: DescribeLogHistogram.

Name	Type	Description
Count	Integer	The number of logs within the statistical period
BTime	Integer	Unix timestamp rounded by `period`, in milliseconds

JsonInfo

JSON type description

Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

Name	Type	Required	Description
EnableTag	Boolean	Yes	Enablement flag

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MetaFields	Array of String	Yes	List of metadata. Supported metadata types: **SOURCE**, **FILENAME**, **TIMESTAMP**, **HOSTNAME**. Note: This field may return null, indicating that no valid values can be obtained.
JsonType	Integer	No	JSON format for shipping. `0` : String format; `1` : Structured format. Note: This field may return null, indicating that no valid values can be obtained.

KafkaConsumerContent

Kafka consumer content

Used by actions: DescribeKafkaConsumer, ModifyKafkaConsumer, OpenKafkaConsumer.

Name	Type	Required	Description
Format	Integer	Yes	Consumption data format. Valid values: 0 (original content) and 1 (JSON).
EnableTag	Boolean	Yes	Whether to ship tag information This parameter does not need to be set when `Format` is set to `0` .
MetaFields	Array of String	Yes	Metadata information list. Valid values: __SOURCE__, __FILENAME__, __TIMESTAMP__, __HOSTNAME__, and __PKGID__. This parameter does not need to be set when `Format` is set to `0` .
TagTransaction	Integer	No	Tag data processing mode: 1: Do not tile (default); 2: Tile. Untiled example: TAG information: `{"__TAG__":{"fieldA":200,"fieldB":"text"}}` Untiled: `{"__TAG__":{"fieldA":200,"fieldB":"text"}}` Tiled example: TAG information: `{"__TAG__":{"fieldA":200,"fieldB":"text"}}` Tiled: `{"__TAG__.fieldA":200,"__TAG__.fieldB":"text"}`

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			Note: This field may return null, indicating that no valid values can be obtained.
JsonType	Integer	No	JSON data format: 1: Not escaped (default format) 2: Escaped Deliver in JSON format.JsonType is 1: Consistent with the original log, not escaped. Example: Original log: `{"a":"aa", "b":{"b1":"b1b1", "c1":"c1c1"}}` Deliver to CKafka: `{"a":"aa", "b":{"b1":"b1b1", "c1":"c1c1"}}` JsonType is 2: escaped. Example:Original log: `{"a":"aa", "b":{"b1":"b1b1", "c1":"c1c1"}}` Deliver to CKafka: `{"a":"aa","b":"{\"b1\":\"b1b1\", \"c1\":\"c1c1\"}"}`

KafkaProtocolInfo

Kafka access protocol

Used by actions: CheckRechargeKafkaServer, CreateKafkaRecharge, DescribeKafkaRecharges, ModifyKafkaRecharge, PreviewKafkaRecharge.

Name	Type	Required	Description
Protocol	String	No	Protocol type, including plaintext, sasl_plaintext, or sasl_ssl. sasl_ssl is recommended for encrypted connections and user authentication.Required input parameters Note: This field may return null, indicating that no valid values can be obtained.
Mechanism	String	No	Encryption type, supports PLAIN, SCRAM-SHA-256, or SCRAM-SHA-512.Required when the Protocol is sasl_plaintext or sasl_ssl.Note: This field may return null, indicating that no valid values can be obtained.
UserName	String	No	UsernameRequired when the Protocol is sasl_plaintext or sasl_ssl.Note: This field may return null, indicating that no valid values can be obtained.
Password	String	No	User PasswordRequired when the Protocol is sasl_plaintext or sasl_ssl.Note: This field may return null, indicating that no valid values can be obtained.

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KafkaRechargeInfo

Kafka data import configuration

Used by actions: DescribeKafkaRecharges.

Name	Type	Description
Id	String	ID of the Kafka data subscription configuration.Note: This field may return null, indicating that no valid values can be obtained.
TopicId	String	Log topic ID Note: This field may return null, indicating that no valid values can be obtained.
Name	String	Kafka data import task name Note: This field may return null, indicating that no valid values can be obtained.
KafkaType	Integer	Kafka type. Valid values: 0 (Tencent Cloud CKafka) and 1 (customer's Kafka). Note: This field may return null, indicating that no valid values can be obtained.
KafkaInstance	String	CKafka instance ID, which is required when `KafkaType` is set to `0` Note: This field may return null, indicating that no valid values can be obtained.
ServerAddr	String	Service address Note: This field may return null, indicating that no valid values can be obtained.
IsEncryptionAddr	Boolean	Whether the service address uses an encrypted connection Note: This field may return null, indicating that no valid values can be obtained.
Protocol	KafkaProtocolInfo	Encryption access protocol, which is required when `IsEncryptionAddr` is set to `true`
UserKafkaTopics	String	List of Kafka topics to import data from. Separate multiple topics with commas (,). Note: This field may return null, indicating that no valid values can be obtained.
ConsumerGroupName	String	Kafka consumer group name

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		Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Status, 1: running; 2: paused.Note: This field may return null, indicating that no valid values can be obtained.
Offset	Integer	Import data position, -2: earliest (default), -1: latestNote: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time Note: This field may return null, indicating that no valid values can be obtained.
LogRechargeRule	LogRechargeRuleInfo	Log import rule Note: This field may return null, indicating that no valid values can be obtained.

KeyRegexInfo

Log keys to be filtered and the corresponding regex

Used by actions: CreateConfig, CreateCosRecharge, DescribeConfigs, DescribeCosRecharges, DescribeMachineGroupConfigs, ModifyConfig.

Name	Type	Required	Description
Key	String	Yes	Log key to be filtered
Regex	String	Yes	Filter rule regex corresponding to key

KeyValueInfo

Field information of key value or metafield index

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description

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Key	String	Yes	Name of the field for which you want to configure a key-value or metadata field index. The name can contain letters, digits, underscores, and symbols -./@ and cannot start with an underscore. Note: For a metadata field, set its `Key` to be consistent with the one for log uploading, without prefixing it with `__TAG__.` . `__TAG__.` will be prefixed automatically for display in the console. 2. The total number of keys in key-value indexes (`KeyValue`) and metadata field indexes (`Tag`) cannot exceed 300. 3. The number of levels in `Key` cannot exceed 10. Example: a.b.c.d.e.f.g.h.j.k 4. JSON parent and child fields (such as “a” and “a.b”) cannot be contained at the same time.
Value	ValueInfo	Yes	Field index description information

LogContextInfo

Log context information

Used by actions: DescribeLogContext.

Name	Type	Description
Source	String	Log source device
Filename	String	Collection path
Content	String	Log content
PkgId	String	Log package number
PkgLogId	Integer	Log number in log package
BTime	Integer	Log timestamp
HostName	String	Source host name of logs Note: This field may return `null` , indicating that no valid value was found.
RawLog	String	Raw log (this parameter has a value only when an exception occurred while creating indexes for logs). Note: This field may return null, indicating that no valid values can be obtained.

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IndexStatus	String	The cause of index creation exception (this parameter has a value only when an exception occurred while creating indexes for logs). Note: This field may return null, indicating that no valid values can be obtained.
HighLights	Array of HighLightItem	Highlighted description of log contentNote: This field may return null, indicating that no valid values can be obtained.

LogInfo

Log result information

Used by actions: GetAlarmLog, SearchLog.

Name	Type	Description
Time	Integer	Log time in milliseconds
TopicId	String	Log topic ID
TopicName	String	Log topic name
Source	String	Log source IP
FileName	String	Log filename
PkgId	String	ID of the request package for log reporting
PkgLogId	String	Log ID in request package
LogJson	String	Serialized JSON string of log content Note: this field may return `null` , indicating that no valid values can be obtained.
HostName	String	Source host name of logs Note: This field may return `null` , indicating that no valid value was found.
RawLog	String	Raw log (this parameter has a value only when an exception occurred while creating indexes for logs). Note: This field may return null, indicating that no valid values can be obtained.
IndexStatus	String	The cause of index creation exception (this parameter has a value only when an exception occurred while creating indexes for logs). Note: This field may return null, indicating that no valid values can be obtained.

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LogItem

Key-Value pair in log

Used by actions: GetAlarmLog, SearchLog.

Name	Type	Description
Key	String	Log key
Value	String	Log value

LogItems

`LogItem` array

Used by actions: GetAlarmLog, SearchLog.

Name	Type	Description
Data	Array of LogItem	Key-Value pair returned in analysis result

LogRechargeRuleInfo

Log import rule

Used by actions: CreateKafkaRecharge, DescribeKafkaRecharges, ModifyKafkaRecharge, PreviewKafkaRecharge.

Name	Type	Required	Description
RechargeType	String	Yes	Import type. Valid values: `json_log` (JSON logs), `minimalist_log` (single-line full text), and fullregex_log (single-line full regex)
EncodingFormat	Integer	Yes	Encoding format. Valid values: 0 (default, UTF-8) and 1 GBK).
DefaultTimeSwitch	Boolean	Yes	Whether to use the default time. Valid values: `true` (default) and `false` .
LogRegex	String	No	Full log matching rule, which is valid only if `RechargeType` is `fullregex_log` .

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			Note: This field may return null, indicating that no valid values can be obtained.
UnMatchLogSwitch	Boolean	No	Whether to upload the logs that failed to be parsed. Valid values: `true` and `false`.
UnMatchLogKey	String	No	Key of the log that failed to be parsed Note: This field may return null, indicating that no valid values can be obtained.
UnMatchLogTimeSrc	Integer	No	Time source of the log that failed to be parsed. Valid values: 0 (current system time) and 1 (Kafka message timestamp). Note: This field may return null, indicating that no valid values can be obtained.
DefaultTimeSrc	Integer	No	Default time source. Valid values: 0 (current system time) and 1 (Kafka message timestamp). Note: This field may return null, indicating that no valid values can be obtained.
TimeKey	String	No	Time field Note: This field may return null, indicating that no valid values can be obtained.
TimeRegex	String	No	Time regular expression Note: This field may return null, indicating that no valid values can be obtained.
TimeFormat	String	No	Time field format Note: This field may return null, indicating that no valid values can be obtained.
TimeZone	String	No	Time zone Note: This field may return null, indicating that no valid values can be obtained.
Metadata	Array of String	No	Metadata information. Kafka supports import of kafka_topic, kafka_partition, kafka_offset, and kafka_timestamp. Note: This field may return null, indicating that no valid values can be obtained.
Keys	Array of String	No	List of log keys, which is required when `RechargeType` is set to `full_regex_log` Note: This field may return null, indicating that no valid values can be obtained.

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LogsetInfo

Logset information

Used by actions: DescribeLogsets.

Name	Type	Description
LogsetId	String	Logset ID
LogsetName	String	Logset name
CreateTime	String	Creation time
AssumerName	String	Cloud product identifier. If the logset is created by another cloud product, this field returns the name of the cloud product, such as `CDN` or `TKE`. Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tag bound to logset Note: this field may return `null`, indicating that no valid values can be obtained.
TopicCount	Integer	Number of log topics in logset
RoleName	String	If `AssumerName` is not empty, it indicates the service provider who creates the logset.

MachineGroupInfo

Machine group information

Used by actions: DescribeConfigMachineGroups, DescribeMachineGroups.

Name	Type	Description
GroupId	String	Machine group ID
GroupName	String	Machine group name
MachineGroupType	MachineGroupTypeInfo	Machine group type
CreateTime	String	Creation time
Tags	Array of Tag	List of tags bound to machine group Note: this field may return `null`, indicating that no valid

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		values can be obtained.
AutoUpdate	String	Whether to enable automatic update for the machine group Note: this field may return `null` , indicating that no valid values can be obtained.
UpdateStartTime	String	Update start time. We recommend you update LogListener during off-peak hours. Note: this field may return `null` , indicating that no valid values can be obtained.
UpdateEndTime	String	Update end time. We recommend you update LogListener during off-peak hours. Note: this field may return `null` , indicating that no valid values can be obtained.
ServiceLogging	Boolean	Whether to enable the service log to record the logs generated by the LogListener service itself. After it is enabled, the internal logset `cls_service_logging` and the `loglistener_status` , `loglistener_alarm` , and `loglistener_business` log topics will be created, which will not incur fees. Note: this field may return `null` , indicating that no valid values can be obtained.
DelayCleanupTime	Integer	Regular cleanup time for offline machines in the machine group Note: This field may return null, indicating that no valid values can be obtained.
MetaTags	Array of MetaTagInfo	Metadata information list of a machine group
OSType	Integer	Operating system type, 0: Linux, 1: Windows

MachineGroupTypeInfo

Machine group type description

Used by actions: AddMachineGroupInfo, CreateMachineGroup, DeleteMachineGroupInfo, DescribeConfigMachineGroups, DescribeMachineGroups, ModifyMachineGroup.

Name	Type	Required	Description
Type	String	Yes	Machine group type. Valid values: `ip` : the IP addresses of collection

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			machines are stored in `Values` of the machine group; `label` : the tags of the machines are stored in `Values` of the machine group
Values	Array of String	Yes	Machine description list

MachineInfo

Machine status information

Used by actions: DescribeMachines.

Name	Type	Description
Ip	String	Machine IP
InstanceID	String	Machine instance IDNote: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Machine status. Valid values: `0` : exceptional; `1` : normal
OfflineTime	String	Machine disconnection time. If the value is empty, the machine is normal. If the machine is exceptional, a specific value will be returned.
AutoUpdate	Integer	Whether to enable automatic update for the machine. Valid values: `0` : no; `1` : yes
Version	String	Current machine version number
UpdateStatus	Integer	Machine upgrade status. 0: Upgrade successful; 1: Upgrading; -1: Upgrade failed.
ErrCode	Integer	Machine upgrade result identifier.0: Success; 1200: Upgrade successful; Other values indicate exceptions.
ErrMsg	String	Machine upgrade result information."ok": Success; "update success": Upgrade successful; Other values indicate the reason for failure.

MetaTagInfo

Metadata information

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Used by actions: CreateConfig, CreateCosRecharge, CreateMachineGroup, DescribeConfigMachineGroups, DescribeConfigs, DescribeCosRecharges, DescribeMachineGroupConfigs, DescribeMachineGroups, ModifyConfig, ModifyMachineGroup.

Name	Type	Required	Description
Key	String	No	Metadata key
Value	String	No	Metadata value

MetricLabel

Filters

Used by actions: CreateScheduledSql, DescribeScheduledSqlInfo, ModifyScheduledSql.

Name	Type	Required	Description
Key	String	Yes	Metric NameNote: This field may return null, indicating that no valid values can be obtained.
Value	String	Yes	Metric content Note: This field may return null, indicating that no valid values can be obtained.

MonitorTime

Monitoring task execution time point in alarm policy

Used by actions: CreateAlarm, DescribeAlarms, ModifyAlarm.

Name	Type	Required	Description
Type	String	Yes	Valid values: • `Period` : periodic execution • `Fixed` : scheduled execution
Time	Integer	Yes	Execution interval or scheduled time point in minutes. Value range: 1–1440.

MultiCondition

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Multiple trigger conditions.

Used by actions: CreateAlarm, DescribeAlarms, ModifyAlarm.

Name	Type	Required	Description
Condition	String	No	Trigger condition.Note: This field may return null, indicating that no valid values can be obtained.
AlarmLevel	Integer	No	Alarm severity. 0: Warning (Warn); 1: Reminder (Info); 2: Urgent (Critical). • If not specified, the default is 0. Note: This field may return null, indicating that no valid values can be obtained.

MultiTopicSearchInformation

Log topic search information

Used by actions: SearchLog.

Name	Type	Required	Description
TopicId	String	No	ID of the log topic to be searched for
Context	String	No	You can pass through the `Context` value (validity: 1 hour) returned by the last API to continue to get logs, which can get up to 10,000 raw logs.

NoticeReceiver

Alarm notification recipient information

Used by actions: CreateAlarmNotice, DescribeAlarmNotices, ModifyAlarmNotice.

Name	Type	Required	Description
ReceiverType	String	Yes	Recipient type. Valid values: • `Uin` : user ID • `Group` : user group ID Currently, other recipient types are not supported.

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ReceiverIds	Array of Integer	Yes	Recipient
ReceiverChannels	Array of String	Yes	Notification method • `Email` : email • `Sms` : SMS • `WeChat` : WeChat • `Phone` : phone
StartTime	String	No	Start time for allowed message receipt
EndTime	String	No	End time for allowed message receipt
Index	Integer	No	Index

NoticeRule

Notification rules

Used by actions: CreateAlarmNotice, DescribeAlarmNotices, ModifyAlarmNotice.

Name	Type	Required	Description
NoticeReceivers	Array of NoticeReceiver	No	Alarms notification template recipient informationNote: This field may return null, indicating that no valid values can be obtained.
WebCallbacks	Array of WebCallback	No	Alarms notification template callback informationNote: This field may return null, indicating that no valid values can be obtained.
Rule	String	No	Matching rules. Note: This field may return null, indicating that no valid values can be obtained.

ParquetInfo

`Parquet` contents

Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

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Name	Type	Required	Description
ParquetKeyInfo	Array of ParquetKeyInfo	Yes	`ParquetKeyInfo` array

ParquetKeyInfo

`Parquet` content description

Used by actions: CreateShipper, DescribeShippers, ModifyShipper.

Name	Type	Required	Description
KeyName	String	Yes	Key name
KeyType	String	Yes	Supported data types: string, boolean, int32, int64, float, and double
KeyNonExistingField	String	Yes	Assignment information returned upon resolution failure Note: This field may return `null`, indicating that no valid value can be obtained.

PartitionInfo

Log topic partition information

Used by actions: DescribePartitions, MergePartition, SplitPartition.

Name	Type	Description
PartitionId	Integer	Partition ID
Status	String	Partition status. Valid values: `readwrite`, `readonly`
InclusiveBeginKey	String	Partition hash start key
ExclusiveEndKey	String	Partition hash end key
CreateTime	String	Partition creation time
LastWriteTime	String	Last modified of read-only partition Note: this field may return `null`, indicating that no valid values can be obtained.

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PreviewLogStatistic

Preview data details

Used by actions: CreateDataTransform.

Name	Type	Required	Description
LogContent	String	Yes	Log content
LineNum	Integer	Yes	Line number
DstTopicId	String	No	Target log topic
FailReason	String	No	Error code. An empty string "" indicates no error.
Time	String	No	Log timestamp
DstTopicName	String	No	Target topic name Note: This field may return null, indicating that no valid values can be obtained.

RuleInfo

Index rule. At least one of the `FullText`, `KeyValue`, and `Tag` parameters must be valid.

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description
FullText	FullTextInfo	No	Full-text index configuration. If empty, full-text indexing is not enabled. Note: This field may return null, indicating that no valid values can be obtained.
KeyValue	RuleKeyValueInfo	No	Key-value index configuration. If empty, key-value indexing is not enabled. Note: This field may return null, indicating that no valid values can be obtained.
Tag	RuleTagInfo	No	Metadata field index configuration. If empty, metadata field indexing is not enabled. Note: This field may return null, indicating that no valid values can be obtained.

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DynamicIndex	DynamicIndex	No	Key-value index automatic configuration. If empty, the feature is not enabled.Once enabled, fields within logs are automatically added to the key-value index, including fields added to logs subsequently. Note: This field may return null, indicating that no valid values can be obtained.

RuleKeyValueInfo

Key-Value index configuration

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description
CaseSensitive	Boolean	Yes	Case sensitivity
KeyValues	Array of KeyValueInfo	No	Key-value pair information of the index to be created

RuleTagInfo

Metafield index configuration

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description
CaseSensitive	Boolean	Yes	Case sensitivity
KeyValues	Array of KeyValueInfo	Yes	Field information in the metafield index configuration

ScheduledSqlResouceInfo

Resource information for ScheduledSql

Used by actions: CreateScheduledSql, DescribeScheduledSqlInfo, ModifyScheduledSql.

Name	Type	Required	Description
TopicId	String	Yes	Target topic ID

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Region	String	No	Region information for the topic
BizType	Integer	No	Topic type: 0 for log topic, and 1 for metric topic
MetricName	String	No	Metric name. When BizType is 1, MetricName needs to be specified.
MetricNames	Array of String	No	Metric NameWhen BizType is 1, prioritize using the MetricNames field. Multiple metrics can only be filled in the MetricNames field, while it's recommended to fill a single metric in the MetricName field.
MetricLabels	Array of String	No	Metric dimension. Not accept time type.
CustomTime	String	No	Metric timestamp. The default value is the left time point of the SQL query time range, but you can also specify other fields (The type is uinx time, TimeStamp, and precision millisecond) as the metric timestamp.
CustomMetricLabels	Array of MetricLabel	No	In addition to MetricLabels, this parameter can be used to supplement static dimensions for the metric. Dimension names must start with a letter or underscore, followed by letters, digits, or underscores, with a length less than or equal to 1024 bytes.

ScheduledSqlTaskInfo

ScheduledSql task details

Used by actions: DescribeScheduledSqlInfo.

Name	Type	Description
TaskId	String	ScheduledSql task id
Name	String	ScheduledSql task name
SrcTopicId	String	Source Log Topic ID
SrcTopicName	String	Source Log Topic Name
DstResource	ScheduledSqlResouceInfo	Scheduled SQL analysis of target topic
CreateTime	String	Creation Time

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UpdateTime	String	Task Update Time
Status	Integer	Task status: 1: Running 2: Stop 3: Exception - Source log topic not found 4: Exception - target topic not found5: Access permission issue 6: Internal failure 7: Other faults
EnableFlag	Integer	Task status: 1 Enabled, 2 Disabled
ScheduledSqlContent	String	Queries statements
ProcessStartTime	String	Schedule Start Time
ProcessType	Integer	Schedule Type: 1 Continuous Running 2 Specified Time Range
ProcessEndTime	String	Schedule End Time, required when process_type=2
ProcessPeriod	Integer	Scheduling Interval (Minutes)
ProcessTimeWindow	String	Query Time Window. @m-15m, @m, meaning the last 15 minutes
ProcessDelay	Integer	Execution Delay (Seconds)
SrcTopicRegion	String	Source Topic ID Region Information
SyntaxRule	Integer	Syntax Rules: 0 Lucene syntax, 1 CQL syntaxNote: This field may return null, indicating that no valid values can be obtained.

SearchLogErrors

Error information for multi-log topic search

Used by actions: SearchLog.

Name	Type	Description
TopicId	String	Log topic IDNote: This field may return null, indicating that no valid values can be obtained.
ErrorMsg	String	Error MessageNote: This field may return null, indicating that no valid values can be obtained.
ErrorCodeStr	String	Error CodeNote: This field may return null, indicating that no valid values can be

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		obtained.

SearchLogInfos

Multiple log topic search for topic information

Used by actions: SearchLog.

Name	Type	Description
TopicId	String	Log Topic ID
Period	Integer	Log storage lifetime
Context	String	You can pass through the Context value returned by this API to continue to get more logs. Expire time: 1 hour.Note: This field may return null, indicating that no valid values can be obtained.

SearchLogTopics

Multi-topic search return information

Used by actions: SearchLog.

Name	Type	Description
Errors	Array of SearchLogErrors	Error information for multi-log topic searchNote: This field may return null, indicating that no valid values can be obtained.
Infos	Array of SearchLogInfos	Information for each log topic in multi-log topic searchNote: This field may return null, indicating that no valid values can be obtained.

ShipperInfo

Shipping rule

Used by actions: DescribeShippers.

Name	Type	Description
ShipperId	String	Shipping rule ID

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TopicId	String	Log topic ID
Bucket	String	Bucket address shipped to
Prefix	String	Shipping prefix directory
ShipperName	String	Shipping rule name
Interval	Integer	Shipping time interval in seconds
MaxSize	Integer	Maximum size of shipped file in MB
Status	Boolean	Whether it takes effect
FilterRules	Array of FilterRuleInfo	Filter rule for shipped log Note: this field may return `null` , indicating that no valid values can be obtained.
Partition	String	Partition rule of shipped log, which can be represented in `strftime` time format
Compress	CompressInfo	Compression configuration of shipped log Note: this field may return `null` , indicating that no valid values can be obtained.
Content	ContentInfo	Format configuration of shipped log content Note: this field may return `null` , indicating that no valid values can be obtained.
CreateTime	String	Creation time of shipped log
FilenameMode	Integer	Shipping file naming configuration. Valid values: `0` (by random number); `1` (by shipping time). Default value: `0` . Note: This field may return null, indicating that no valid values can be obtained.
StartTime	Integer	Start time for data shipping Note: This field may return null, indicating that no valid values can be obtained.
EndTime	Integer	End time for data shipping Note: This field may return null, indicating that no valid values can be obtained.
Progress	Float	Progress of historical data shipping (valid only when the selected data scope contains historical data) Note: This field may return null, indicating that no valid values can be obtained.

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RemainTime	Integer	Remaining time required for shipping all historical data (valid only when the selected data scope contains historical data) Note: This field may return null, indicating that no valid values can be obtained.
HistoryStatus	Integer	Status of historical data shipping. Valid values: 0: Real-time data is being shipped. 1: The system is preparing for historical data shipping. 2: Historical data is being shipped. 3: An error occurred while shipping historical data. 4: Historical data shipping ended. Note: This field may return null, indicating that no valid values can be obtained.
StorageType	String	COS bucket type Note: This field may return null, indicating that no valid values can be obtained.

ShipperTaskInfo

Shipping task information

Used by actions: DescribeShipperTasks.

Name	Type	Description
TaskId	String	Shipping task ID
ShipperId	String	Shipping information ID
TopicId	String	Log topic ID
RangeStart	Integer	Start timestamp of the current batch of shipped logs in milliseconds
RangeEnd	Integer	End timestamp of the current batch of shipped logs in milliseconds
StartTime	Integer	Start timestamp of the current shipping task in milliseconds
EndTime	Integer	End timestamp of the current shipping task in milliseconds
Status	String	Result of the current shipping task. Valid values: `success`, `running`, `failed`
Message	String	Result details

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Tag

Description of the tag pair bound to a resource instance when it is created

Used by actions: CreateAlarm, CreateLogset, CreateMachineGroup, CreateTopic, DescribeConfigMachineGroups, DescribeLogsets, DescribeMachineGroups, DescribeTopics, ModifyAlarm, ModifyLogset, ModifyMachineGroup, ModifyTopic.

Name	Type	Required	Description
Key	String	Yes	The tag key. Note: This field may return null, indicating that no valid values can be obtained.
Value	String	Yes	The tag value. Note: This field may return null, indicating that no valid values can be obtained.

TopicInfo

Basic Topic Information

Used by actions: DescribeTopics.

Name	Type	Description
LogsetId	String	Logset ID
TopicId	String	Topic ID
TopicName	String	Topic Name
PartitionCount	Integer	Number of topic partitions
Index	Boolean	Whether the topic has indexing enabled (the topic type must be log topic)
AssumerName	String	Cloud product identifier. When the topic is created by other cloud products, this field displays the name of the cloud product, such as CDN, TKE.Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time
Status	Boolean	Whether the topic has log collection enabled. true: collection enabled; false: collection disabled.Log collection is enabled by default when creating a log topic, and this field can be modified by calling ModifyTopic through the SDK.The console currently does not support modifying this parameter.

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Tags	Array of Tag	Tag information bound to the topicNote: This field may return null, indicating that no valid values can be obtained.
AutoSplit	Boolean	Whether automatic split is enabled for this topic Note: this field may return `null` , indicating that no valid values can be obtained.
MaxSplitPartitions	Integer	Maximum number of partitions to split into for this topic if automatic split is enabled Note: this field may return `null` , indicating that no valid values can be obtained.
StorageType	String	Storage type of the topicNote: This field may return null, indicating that no valid values can be obtained.
Period	Integer	Lifecycle in days. Value range: 1-3600 (3640 indicates permanent retention) Note: This field may return `null` , indicating that no valid value was found.
SubAssumerName	String	Cloud product sub-identifier. If the log topic is created by another cloud product, this field returns the name of the cloud product and its log type, such as `TKE-Audit` or `TKE-Event` . Some products only return the cloud product identifier (`AssumerName`), without this field. Note: This field may return null, indicating that no valid values can be obtained.
Describes	String	Topic description Note: This field may return null, indicating that no valid values can be obtained.
HotPeriod	Integer	Enable log sinking, with the lifecycle of standard storage, where hotPeriod < Period.For standard storage, hotPeriod is used, and for infrequent access storage, it is Period-hotPeriod. (The topic type must be a log topic)HotPeriod=0 indicates that log sinking is not enabled. Note: This field may return null, indicating that no valid values can be obtained.
BizType	Integer	Topic type. - 0: log Topic - 1: Metric Topic Note: This field may return null, indicating that no valid values can be obtained.
IsWebTracking	Boolean	Free authentication switch. false: disabled; true: enabled.After enabling, anonymous access to the log topic will be supported for specified operations. For details, please refer to Log Topic (https://intl.cloud.tencent.com/document/product/614/41035?

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		from_cn_redirect=1).Note: This field may return null, indicating that no valid values can be obtained.

ValueInfo

Index description information of the field for which key-value index needs to be enabled

Used by actions: CreateIndex, DescribeIndex, ModifyIndex.

Name	Type	Required	Description
Type	String	Yes	Field type. Valid values: `long` , `text` , `double`
Tokenizer	String	No	Separator of fields. Each character represents a separator. Only symbols, \n\t\r, and escape character \ are supported. `long` and `double` fields need to be null. Note: \n\t\r can be directly enclosed in double quotes as the input parameter without escaping. When debugging with API Explorer, use the JSON parameter input method to avoid repeated escaping of \n\t\r.
SqlFlag	Boolean	No	Whether the analysis feature is enabled for the field
ContainZH	Boolean	No	Whether Chinese characters are contained. For `long` and `double` fields, set them to `false` . Note: This field may return null, indicating that no valid values can be obtained.

WebCallback

Callback address

Used by actions: CreateAlarmNotice, DescribeAlarmNotices, ModifyAlarmNotice.

Name	Type	Required	Description
Url	String	Yes	Callback address
CallbackType	String	Yes	Callback type. Valid values: • WeCom • Http
Method	String	No	Callback method. Valid values: • POST

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			• PUT Default value: `POST` . This parameter is required if `CallbackType` is `Http` . Note: This field may return `null` , indicating that no valid value was found.
Headers	Array of String	No	Request header Note: This parameter is disused. To specify request headers, see `CallBack` in CreateAlarmNotice. Note: This field may return `null` , indicating that no valid value was found.
Body	String	No	Request content Note: This parameter is disused. To specify request content, see `CallBack` in CreateAlarmNotice. Note: This field may return `null` , indicating that no valid value was found.
Index	Integer	No	Number

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Error Codes

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Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

```
{
"Response": {
"Error": {
"Code": "AuthFailure.SignatureFailure",
"Message": "The provided credentials could not be validated. Please check your si
gnature is correct."
},
"RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
}
}
```

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	`Authorization` in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
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 whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

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	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

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	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.BindedAlarm	The alarm notification template has already been bound to an alarm policy.
FailedOperation.BucketNoFile	No corresponding prefix files in the bucket. Please use the correct bucket, file prefix, and compression method.
FailedOperation.DecompressFile	File decompression failed. Please choose the correct compression method.
FailedOperation.DownLoadFile	Failed to download file. Please try again later.
FailedOperation.GetListFile	Failed to get the file list. Please try again later.
FailedOperation.GetlogReachLimit	The number of searched logs has reached the upper

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	limit.
FailedOperation.InValidIndexRuleForSearchLow	IA storage does not support key-value or tag index configuration.
FailedOperation.InvalidAlarm	The alarm policy is exceptional. Please check whether all the log topic IDs exist.
FailedOperation.InvalidContext	The search cursor is invalid or does not exist.
FailedOperation.InvalidPeriod	The offline storage period cannot be less than 7 days.
FailedOperation.LogsetConflict	The same logset already exists.
FailedOperation.LogsetNotEmpty	There are log topics under the logset.
FailedOperation.MissingContent	Invalid `Content` .
FailedOperation.PeriodModifyForbidden	The modified lifecycle is prohibited.
FailedOperation.PreviewFile	File preview failed. Please try again later.
FailedOperation.QueryError	The query statement failed to run.
FailedOperation.ReadFile	Failed to read file content. Please make sure the file is readable.
FailedOperation.ReadQpsLimit	The read QPS exceeds the limit.
FailedOperation.SearchTimeout	The query timed out.
FailedOperation.ShipperTaskNotToRetry	Shipping task retry is not allowed.
FailedOperation.SyntaxError	An error occurred while parsing the query statement.
FailedOperation.TagQpsLimit	The frequency of tag service requests is limited.
FailedOperation.Timeout	Operation timed out
FailedOperation.TopicClosed	The log topic has been disabled.
FailedOperation.TopicCreating	The topic is being created.
FailedOperation.TopicIsolated	The log topic has been isolated.
FailedOperation.WriteQpsLimit	The write QPS exceeds the limit.
FailedOperation.WriteTrafficLimit	The write traffic exceeds the limit.
InternalError.DbError	DB Error.

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InternalError.IllegalRole	Illegal role.
InternalError.SearchError	Retrieval error
InternalError.SearchFailed	Retrieval failed
InvalidParameter.AlarmConflict	The alarm policy already exists.
InvalidParameter.AlarmNoticeConflict	The alarm notification template already exists.
InvalidParameter.ConfigConflict	The same collection configuration rule already exists.
InvalidParameter.Content	Invalid `Content` .
InvalidParameter.DataFromTaskConflict	There is a data processing task conflict.
InvalidParameter.DataFromTaskNotExist	The data processing task does not exist.
InvalidParameter.DbDuplication	The unique key of database conflicts.
InvalidParameter.ExportConflict	The export job already exists.
InvalidParameter.InValidIndexRuleForSearchLow	IA storage does not support key-value or tag index configuration.
InvalidParameter.IndexConflict	An index rule already exists for the specified log topic.
InvalidParameter.InvalidEtlContent	The data processing statement is invalid.
InvalidParameter.LogsetConflict	The same logset already exists.
InvalidParameter.MachineGroupConflict	The same machine group already exists.
InvalidParameter.ParamError	Parameter error.
InvalidParameter.ShipperConflict	Shipping rule naming conflict.
InvalidParameter.TopicConflict	There is already a log topic with the same name in the specified logset.
LimitExceeded.Config	The collection rule configuration exceeds the maximum value limit.
LimitExceeded.Export	The number of log export tasks has exceeded the limit.
LimitExceeded.IndexOperating	Index operations exceed the frequency limit.
LimitExceeded.LogSearch	The number of concurrent queries exceeds the limit, which is 15 per topic.

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LimitExceeded.LogSize	The log size exceeds the limit.
LimitExceeded.Logset	The number of logsets exceeds the limit.
LimitExceeded.MachineGroup	The number of machine groups exceeds the limit.
LimitExceeded.MachineGroupIp	The number of machine group IPs exceeds the limit.
LimitExceeded.MachineGroupIpLabels	The number of machine group labels exceeds the limit.
LimitExceeded.Partition	The number of partitions exceeds the limit.
LimitExceeded.RecordOutOfLimit	Record exceeds limit
LimitExceeded.SearchResources	Out of search memory.
LimitExceeded.SearchResultTooLarge	The number of logs returned by the search API exceeds the upper limit (20 MB).
LimitExceeded.Shipper	The number of shipping rules exceeds the limit.
LimitExceeded.Tag	The number of tags exceeds the limit.
LimitExceeded.Topic	The number of log topics exceeds the limit.
OperationDenied	Operation denied.
OperationDenied.ACLFailed	ACL verification failed.
OperationDenied.AccountDestroy	The account has been terminated.
OperationDenied.AccountIsolate	The account has overdue payments.
OperationDenied.AccountNotExists	The account does not exist.
OperationDenied.AlarmNotSupportForSearchLow	IA storage does not support alarms.
OperationDenied.AnalysisSwitchClose	The analysis feature is not enabled for the field.
OperationDenied.NewSyntaxNotSupported	New syntax is not supported.
OperationDenied.NoticeHasAlarm	The notification template is bound to an alarm and cannot be deleted.
OperationDenied.OperationNotSupportInSearchLow	The operation is not supported in IA storage.
OperationDenied.TopicHasDataFormTask	A data processing task is bound to this topic.
OperationDenied.TopicHasDeliverFunction	The topic is bound to a function for shipping.

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OperationDenied.TopicHasExternalDatasourceConfig	Unable to delete this topic because an external data source is configured for it.
OperationDenied.TopicHasScheduleSqlTask	The topic is bound to the `scheduleSql` job.
ResourceNotFound.AgentVersionNotExist	The agent version does not exist.
ResourceNotFound.AlarmNotExist	The alarm policy does not exist.
ResourceNotFound.AlarmNoticeNotExist	The alarm notification template does not exist.
ResourceNotFound.ConfigNotExist	The specified collection rule configuration does not exist.
ResourceNotFound.DataFromTaskNotExist	Data processing task does not exist.
ResourceNotFound.ExportNotExist	The log export does not exist.
ResourceNotFound.IndexNotExist	The index does not exist.
ResourceNotFound.LogsetNotExist	The specified logset does not exist.
ResourceNotFound.MachineGroupNotExist	The machine group does not exist.
ResourceNotFound.PartitionNotExist	The partition does not exist.
ResourceNotFound.RecordNotExist	Record does not exist
ResourceNotFound.ShipperNotExist	The shipping rule does not exist.
ResourceNotFound.ShipperTaskNotExist	The shipping task does not exist.
ResourceNotFound.TopicNotExist	The log topic does not exist.

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