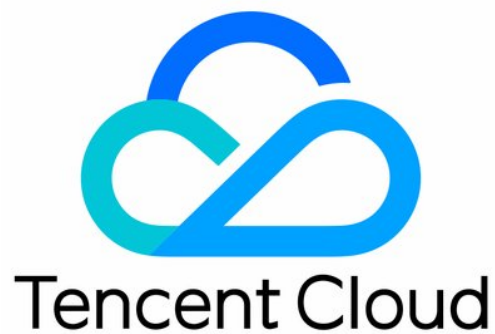


Tencent Cloud TCHouse-D

API Documentation

Product Documentation



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Last updated : 2024-09-18 14:36:13

Release 6

Release time: 2024-09-18 14:36:07

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeUserPolicy](#)
 - **Modified input parameters:** InstanceId

Release 5

Release time: 2024-09-14 11:01:21

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeInstanceOperationHistory](#)
 - **Deleted input parameters:** Message
 - **Modified input parameters:** InstanceId
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 - **Modified input parameters:** DbName, Operation, InstanceId
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 - **Modified input parameters:** InstanceId, DbName, TableName, Columns, Distribution
 - **Modified output parameters:** Success

Release 4

Release time: 2024-09-10 17:31:28

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeInstanceOperationHistory](#)
 - New input parameters:Message
 - New output parameters:Message
- [DescribeQueryAnalyse](#)
 - New input parameters:QueryTime
 - New output parameters:Message
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Release time: 2024-08-30 14:34:17

Release updates:

Improvement to existing documentation.

New APIs:

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- [CreateCoolDownPolicy](#)
- [DescribeCoolDownBackends](#)
- [DescribeCoolDownPolicies](#)
- [DescribeCoolDownTableData](#)
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- [ModifyClusterConfigs](#)
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 - New members:Details, EnableDlc, AccountType

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Release time: 2024-08-26 18:46:54

Release updates:

Improvement to existing documentation.

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Release 1

Release time: 2024-07-16 11:58:21

Release updates:

Improvement to existing documentation.

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Introduction

Last updated : 2024-07-16 14:12:22

Tencent Cloud Warehouse-D is built on the industry-leading OLAP database Apache Doris kernel. It is compatible with MySQL protocol, integrates with the cloud big data ecosystem, and provides a rich range of cluster management capabilities and a comprehensive inspection and alarm system. It offers easy-to-use, low-maintenance, cloud-based fully hosted services, helping customers to quickly perform real-time OLAP data analysis.

API Category

Last updated : 2024-09-12 11:56:25

Cluster Operation APIs

API Name	Feature	Frequency Limit (maximum requests per second)
ModifyClusterConfigs	Modifies the cluster configuration file	20
ModifyInstanceKeyValConfigs	Modifies the BE or FE configuration	20
ModifyNodeStatus	Changes the node status	20
RestartClusterForConfigs	Restarts the cluster to make the configuration file take effect	20
RestartClusterForNode	Rolling restart of the cluster	20
CreateInstanceNew	Creates clusters	20
DestroyInstance	Terminates clusters	20
ModifySecurityGroups	Edits security groups	20
ReduceInstance	Scales in clusters	20
ResizeDisk	Expands cloud disks	20
ScaleOutInstance	Scales out horizontally	20
ScaleUpInstance	Scales up/down computing resources	20
DescribeClusterConfigsHistory	Obtains the modification history of cluster configuration files	20
ModifyInstance	Modifies the cluster's name	20
DescribeCreateTablesDDL	Obtains the table creation DDL	20
DescribeInstanceOperationHistory	Queries operation logs of the Doris cluster	20

Database and Table APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CopyTableDatas	Copies tables	20
CreateDatabase	Creates databases	20
CreateTable	Creates tables	20
DeleteTable	Deletes the specified table in the specified database	20
DescribeDatabase	Obtains database information	20
DescribeTable	Obtains the table information	20
DescribeTableList	Obtains the list of tables	20
ExecuteParametrizedQuery	SQL query statement with parameters	20
ExecuteSelectQuery	Executes SQL query	20
QueryTableData	Queries table data	20
InsertDatasToTable	Inserts data	20
UpdateTableSchema	Modifies table attributes	20
UpdateDatabase	Updates the database	20

Cluster Information Viewing APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeClusterConfigs	Obtains the cluster configuration file	20
DescribeAreaRegion	Obtains the list of regions	20
DescribeInstancesHealthState	Checks cluster health	20
DescribeSpec	Obtains cluster specifications	20

DescribeInstance	Accesses cluster description information	20
DescribeInstanceState	Gets cluster status	20
DescribeInstances	Gets the list of clusters	20
DescribeInstanceNodesInfo	Gets BE and FE node roles	20
DescribeInstanceUsedSubnets	Obtains the information of subnets used by the cluster	20
DescribeSqlApis	Queries cluster information through SQL	20
DescribeInstanceNodes	Gets the list of cluster node information	20
DescribeInstanceNodesRole	Obtains cluster node roles	20

Backup Recovery and Cross-Cluster Migration APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CancelBackupJob	Cancels backup instances	20
CreateBackUpSchedule	Creates or modifies backup policies	20
DeleteBackUpData	Deletes a backup instance	20
DescribeBackUpJob	Queries the list of backup instances	20
DescribeBackUpJobDetail	Queries backup task details	20
DescribeBackUpTables	Obtains the information of the table available for backup	20
DescribeBackUpTaskDetail	Queries the progress details of backup tasks	20
DescribeRestoreTaskDetail	Queries the progress details of the recovery task	20
DescribeBackUpSchedules	Obtains backup and migration tasks	20

RecoverBackUpJob	Recovers the data that has been backed up	20
----------------------------------	---	----

Hot-Cold Data Layering APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateCoolDownPolicy	Creates a hot/cold data layering policy	20
ModifyCoolDownPolicy	Modifies hot/cold data layering policy	20
OpenCoolDown	Enables hot/cold data layering	20
OpenCoolDownPolicy	Enables the hot/cold data layering policy	20
UpdateCoolDown	Updates the hot/cold data layering information on a cluster	20
CheckCoolDownWorkingVariableConfigCorrect	Checks whether variables and configurations for hot/cold data layering are correct	20
DescribeCoolDownBackends	Queries the list of backend nodes supporting hot/cold data layering	20
DescribeCoolDownPolicies	Queries the list of hot/cold data layering policies	20
DescribeCoolDownTableData	Queries the layered hot and cold data in a table	20

Database and Operation Audit APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeInstanceOperations	Obtains cluster operation audit records	20

DescribeDatabaseAuditDownload	Downloads database audit logs	20
DescribeDatabaseAuditRecords	Gets database audit records	20
DescribeSlowQueryRecords	Gets the slow log list	20
DescribeSlowQueryRecordsDownload	Downloads slow log files	20
DescribeQueryAnalyse	Queries and analyzes	20

User and Permission APIs

API Name	Feature	Frequency Limit (maximum requests per second)
ActionAlterUser	Adds and modifies a user	20
ModifyUserPrivilegesV3	Modifies permissions	20
DescribeUserPolicy	Describes user permissions	20
ModifyDatabaseTableAccess	Modifies database and table permissions	20

Resource Group Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeUserBindWorkloadGroup	Obtains the resource group information bound to the user	20
CreateWorkloadGroup	Creates resource groups	20
DeleteWorkloadGroup	Deletes resource groups	20
DescribeWorkloadGroup	Obtains the resource group information	20
ModifyWorkloadGroup	Modifies resource group information	20
ModifyUserBindWorkloadGroup	Modifies the resource group bound to	20

	the user	
ModifyWorkloadGroupStatus	Enables or disables resource groups	20

Making API Requests

Request Structure

Last updated : 2024-08-30 14:34:22

1. Service Address

The API supports access from either a nearby region (at `cdwdoris.tencentcloudapi.com`) or a specified region (at `cdwdoris.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 "`cdwdoris.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)	<code>cdwdoris.tencentcloudapi.com</code>
South China (Guangzhou)	<code>cdwdoris.ap-guangzhou.tencentcloudapi.com</code>
East China (Shanghai)	<code>cdwdoris.ap-shanghai.tencentcloudapi.com</code>
North China (Beijing)	<code>cdwdoris.ap-beijing.tencentcloudapi.com</code>
Southwest China (Chengdu)	<code>cdwdoris.ap-chengdu.tencentcloudapi.com</code>
Southwest China (Chongqing)	<code>cdwdoris.ap-chongqing.tencentcloudapi.com</code>
Hong Kong, Macao, Taiwan (Hong Kong, China)	<code>cdwdoris.ap-hongkong.tencentcloudapi.com</code>
Southeast Asia (Singapore)	<code>cdwdoris.ap-singapore.tencentcloudapi.com</code>

Southeast Asia (Bangkok)	cdwdoris.ap-bangkok.tencentcloudapi.com
South Asia (Mumbai)	cdwdoris.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	cdwdoris.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	cdwdoris.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	cdwdoris.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	cdwdoris.na-siliconvalley.tencentcloudapi.com
Europe (Frankfurt)	cdwdoris.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.

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 <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data you work with belongs. For values supported for an API, see the description of parameter <code>Region</code> in the input parameters in related API documentation. This parameter is not required for some APIs (which will be indicated in related 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 is sent. For example, 1529223702. Note: If the difference between the UNIX timestamp and server time is greater than 5 minutes, a signature expiration error may occur.
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the common parameter <code>Version</code> in the API documentation. For example, the version is 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request/Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is the UNIX timestamp in UTC time, and this value must match the value of X-TC-Timestamp (a co

			parameter) in UTC time format; service is the name of the product/service generally a domain name prefix. For example, a domain name cvm.tencentcloud.com refers to the CVM product and the value would be cvm; - SignedHeaders: The headers that contains the authentication information 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 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/?Limit=10&Offset=0

Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/2018-10-09/cvm/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
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=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
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):

```
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 <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
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 <code>Region</code> 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.

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 <code>Timestamp</code> 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 <code>Version</code> 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&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bb224158d66e7ae5fcadb70b2d181d02&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:

```
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=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```


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,

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' +
```

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

Field Name	Explanation
HTTPRequestMethod	HTTP request method (GET or POST). This example uses <code>POST</code> .
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 string for POST requests, and is the string after the question mark (?) for GET requests. For example: <code>Limit=10&Offset=0</code>. Note: <code>CanonicalQueryString</code> must be URL-encoded, referencing RFC3986, the UTF8 character set. We recommend using the programming language library. All special characters must be encoded and capitalized.
CanonicalHeaders	Header information for signature calculation, including at least two headers of <code>host</code> and <code>content-type</code>. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request. Concatenation rules: - Both the key and value of the header should be converted to lowercase with the leading and trailing spaces removed, so they are concatenated in the format of <code>key:value\n</code> format; - 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 <code>content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n</code>. Note: <code>content-type</code> 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 server 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 headers in CanonicalHeaders). <code>Content-type</code> and <code>host</code> are required headers. Concatenation rules: - Both the key and value of the header should be converted to lowercase; - 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 <code>content-type;host</code>
HashedRequestPayload	Hash value of the request payload (i.e., the body, such as <code>{"Limit": 1, "Filter</code>

`[{"Values": ["unnamed"], "Name": "instance-name"}]` in this example
 The pseudocode for calculation is
 Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the payload of the HTTP request, performing hexadecimal encoding, and finally converting the encoded string to lowercase letters. For GET requests, `RequestPayload` is always an empty string. The calculation result in this example is
`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

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 <code>TC3-HMAC-SHA256</code> .
RequestTimestamp	Request timestamp, i.e., the value of the common parameter <code>X-TC-Timestamp</code> in request header, which is the UNIX timestamp of the current time in seconds, such as <code>1551113065</code> in this example.
CredentialScope	Scope of the credential in the format of <code>Date/service/tc3_request</code> , including date, requested service and termination string (tc3_request). Date is a date in UTC time, whose value should match the UTC date converted by the common parameter X-TC-Timestamp ; <code>service</code> is the product name, which should match the domain name of the product called. The calculation result in this example is <code>2018-05-25/cvm/tc3_request</code> .

HashedCanonicalRequest

Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequest))). The calculation result in this example is

```
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad
```

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
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a
```

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., <code>Gu5t9xGARNpq86cd98joQYCN3*****</code> .
Date	The Date field information in <code>Credential</code> , such as <code>2019-02-25</code> in this example.

Service	Value in the Service field in <code>Credential</code> , such as <code>cvm</code> 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 <code>TC3-HMAC-SHA256</code> .
SecretId	The SecretId in the key pair, i.e., <code>AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****</code> .
CredentialScope	Credential scope (see above). The calculation result in this example is <code>2019-02-25/cvm/tc3_request</code> .
SignedHeaders	Header information for signature calculation (see above), such as <code>content-type;host</code> in this example.
Signature	Signature value. The calculation result in this example is <code>c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff</code> .

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
```

```
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&InstanceId=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Signature=EliP9YW3pW28FpsEdkXt%2F%2BWcGel%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.

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 *****
    }
```



```

String httpRequestMethod = "POST";
String canonicalUri = "/";
String canonicalQueryString = "";
String canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "host:" + 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" + canonicalQueryString + "\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, stringToSign)).toLowerCase();
System.out.println(signature);

// ***** Step 4: Concatenate the Authorization *****
String authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + credentialScope + ", "
+ "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)

```

```

.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" +

```

```

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")).hexdigest()
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.sha256).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

```
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,
```

```
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

```
<?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:". $host. "\n";
$signedHeaders = "content-type;host";
$payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}';
$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;
```

```
// 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 = ''
```

```

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 \

```



```
+ ' -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
```

```
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);
```

```
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 project, 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\\u547d\\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);
}
```

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" + "host:" + endpoint + "\n"

  const canonicalRequest = httpRequestMethod + "\n"

```

```

+ 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()

```

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++)
    {
        sprintf(buf, sizeof(buf), "%02x", hash[i]);
        NewString = NewString + buf;
    }
    return NewString;
}
```

```
}  
string HmacSha256(const string &key, const string &input)  
{  
    unsigned char hash[32];  
  
    HMAC_CTX *h;  
    #if OPENSSSL_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 OPENSSSL_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* 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]);  
    }  
}
```

```
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" + canonicalQueryString + "\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" + credentialScope + "\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");
```



```
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).

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.

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',
}
```

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

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

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.

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.getAlgorithm());
        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. TreeMap
        // 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 UnsupportedEncodingException {
        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()) {
```

```
// The request string needs to be URL encoded. As the Key is all in English letters, only the value is URL encoded here.
url.append(k).append("=").append(URLEncoder.encode(params.get(k).toString(), CHARSET)).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 enables automatic sorting
    // A random number should be used when actually calling, for example: params.put("Nonce", new Random().nextInt(Integer.MAX_VALUE));
    params.put("Nonce", 11886); // Common parameter
    // The current time of the system should be used when actually calling, for example: params.put("Timestamp", System.currentTimeMillis() / 1000);
    params.put("Timestamp", 1465185768); // Common parameter
    params.put("SecretId", "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"); // Common parameter
    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*****"
```



```

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*****"

```

```
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*****";
$params["Nonce"] = 11886; //rand();
```

```

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

ksort($params);

$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ( $params 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
// $params["Signature"] = $signature;
// $url = "https://cvm.tencentcloudapi.com/?".http_build_query($params);
// 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,

```

```

'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, sign))
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> requestParams, string requestMethod, string requestHost, string requestPath)

```

```
{
    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>(param, StringComparer.Ordinal);
    string sigInParam = MakeSignPlainText(headers, "GET", endpoint, "/");
    Console.WriteLine(sigInParam);
    string sigOutParam = Sign(SECRET_KEY, sigInParam);
}
```

```

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, '.');
    }
}

```

```
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()
```


Responses

Last updated : 2024-07-16 14:12:28

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 signature is correct."
    },
    "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
  }
}
```

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

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.

Cluster Operation APIs

ModifyClusterConfigs

Last updated : 2024-08-30 14:35:09

1. API Description

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

This API is used to modify the XML cluster configuration file on the cluster configuration page.

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: ModifyClusterConfigs.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID, for example, cdwch-xxxx
ModifyConfContext.N	Yes	Array of ConfigSubmitContext	Configuration file modification information
Remark	No	String	Reason for modification

3. Output Parameters

Parameter Name	Type	Description
FlowId	Integer	Process related information
ErrorMsg	String	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 Modifying the Cluster Configuration File

This example shows you how to modify the XML cluster configuration file on the cluster configuration page.

Input Example

```
https://cdwdoris.tencentcloudapi.com/  
?Action=ModifyClusterConfigs  
&InstanceId=cdwch-xxxx  
&ModifyConfContext.0.FileName=xxxx  
&ModifyConfContext.0.OldConfValue=xxxxx  
&ModifyConfContext.0.NewConfValue=xxxx  
&Remark=xxxxx  
&<Common request parameters>
```

Output Example

```
{  
  "Response": {  
    "RequestId": "xxx-xxx",  
    "FlowId": 0,  
    "ErrorMsg": ""  
  }  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyInstanceKeyValConfigs

Last updated : 2024-09-12 11:56:30

1. API Description

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

This API is used to modify configurations in the KV mode.

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: ModifyInstanceKeyValConfigs.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
FileName	Yes	String	File name
AddItems.N	No	Array of InstanceConfigItem	Add configuration list
UpdateItems.N	No	Array of InstanceConfigItem	Update configuration list

DelItems.N	No	Array of InstanceConfigItem	Delete configuration list
Message	No	String	Remarks (within 50 words)
HotUpdateItems.N	No	Array of InstanceConfigItem	Hot update list
DeleteItems	No	InstanceConfigItem	Delete configuration list
IPAddress	No	String	IP address

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
FlowId	Integer	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 Example

Input Example

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

{
  "InstanceId": "123",
  "DelItems": [
    {
      "ConfKey": "123",
```



```
"ConfValue": "123"
},
"FileName": "123",
"UpdateItems": [
{
"ConfKey": "123",
"ConfValue": "123"
}
],
"Message": "123",
"AddItems": [
{
"ConfKey": "123",
"ConfValue": "123"
}
]
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "123",
    "RequestId": "123",
    "FlowId": 0
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyNodeStatus

Last updated : 2024-09-12 11:56:29

1. API Description

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

This API is used to change the node status.

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: ModifyNodeStatus.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID, such as cdwch-xxxx
NodeInfos.N	Yes	Array of NodeInfos	Node information
OperationCode	Yes	String	Node operation
RestartTimeOut	No	String	Timeout period (s)

3. Output Parameters

Parameter Name	Type	Description
FlowId	Integer	Process related information
ErrorMsg	String	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 Changing the Node Status

This example shows you how to change the node status.

Input Example

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

{
  "InstanceId": "11",
  "NodeInfos": [
    {
      "Status": 0,
      "Ip": "11",
      "NodeRole": "11",
      "NodeName": "11"
    }
  ],
  "OperationCode": "11"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "xxx-xxx",
    "FlowId": 0,
    "ErrorMsg": ""
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

RestartClusterForConfigs

Last updated : 2024-09-12 11:56:27

1. API Description

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

This API is used to restart the cluster to make the configuration file take effect.

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: RestartClusterForConfigs.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Cluster ID, such as cdwch-xxxx
ConfigName	Yes	String	Configuration file's name
OperationType	No	String	grace_restart is an elegant scrolling restart. If this parameter is not filled in, restart now by default.

3. Output Parameters

Parameter Name	Type	Description
FlowId	Integer	Process related information
ErrorMsg	String	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 Modifying the Cluster Configuration API

This example shows you how to modify the cluster API on the cluster configuration page.

Input Example

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

{
  "InstanceId": "1",
  "ConfigName": "11"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "xxx-xxx",
    "FlowId": 0,
    "ErrorMsg": ""
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

RestartClusterForNode

Last updated : 2024-09-12 11:56:27

1. API Description

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

This API is used to indicate the rolling restart of the clusters.

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: RestartClusterForNode.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Cluster ID, such as cdwch-xxxx
ConfigName	Yes	String	Configuration file's name
BatchSize	No	Integer	Each batch of restarts
NodeList.N	No	Array of String	Restart node
RollingRestart	No	Boolean	False means non-rolling restart, and true means rolling restart.

3. Output Parameters

Parameter Name	Type	Description
FlowId	Integer	Process related information
ErrorMsg	String	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 test

Input Example

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

{
  "InstanceId": "abc",
  "ConfigName": "abc"
}
```

Output Example

```
{
  "Response": {
    "FlowId": 0,
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CreateInstanceNew

Last updated : 2024-09-12 11:56:32

1. API Description

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

This API is used to create clusters.

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: CreateInstanceNew.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Zone	Yes	String	Availability zone
FeSpec	Yes	CreateInstanceSpec	FE specifications
BeSpec	Yes	CreateInstanceSpec	BE specifications.
HaFlag	Yes	Boolean	Whether it is highly available.
UserVPCId	Yes	String	User VPCID

UserSubnetId	Yes	String	User subnet ID
ProductVersion	Yes	String	Product version number
ChargeProperties	Yes	ChargeProperties	Payment type
InstanceName	Yes	String	Instance name
DorisUserPwd	Yes	String	Database password
Tags.N	No	Array of Tag	Tag list
HaType	No	Integer	High availability type: 0 indicates non-high availability (only one FE, FeSpec.CreateInstanceSpec.Count=1), 1 indicates read high availability (at least 3 FEs must be deployed, FeSpec.CreateInstanceSpec.Count>=3, and it must be an odd number), 2 indicates read and write high availability (at least 5 FEs must be deployed, FeSpec.CreateInstanceSpec.Count>=5, and it must be an odd number).
CaseSensitive	No	Integer	Whether the table name is case sensitive, 0 refers to sensitive, 1 refers to insensitive, compared in lowercase; 2 refers to insensitive, and the table name is changed to lowercase for storage.
EnableMultiZones	No	Boolean	Whether to enable multi-availability zone.
UserMultiZoneInfos	No	NetworkInfo	After the Multi-AZ is enabled, all user's Availability Zones and Subnets information are shown.

3. Output Parameters

Parameter Name	Type	Description
FlowId	String	Process ID
InstanceId	String	Instance ID
ErrorMsg	String	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.
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4. Example

Example1 An Example of Creating Clusters

This example shows you how to create a cluster.

Input Example

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

{
  "InstanceName": "test-by-quantity-hazk2 node",
  "Zone": "ap-beijing-2",
  "FeSpec": {
    "SpecName": "S_4_16_H",
    "Count": 3,
    "DiskSize": 200
  },
  "BeSpec": {
    "SpecName": "S_4_16_H",
    "Count": 3,
    "DiskSize": 1000
  },
  "HaFlag": true,
  "UserVPCId": "vpc-8visjoh9",
  "UserSubnetId": "subnet-03ij1dki",
  "ProductVersion": "1.2",
  "DorisUserPwd": "ujA7xa2*1",
  "ChargeProperties": {
    "ChargeType": "POSTPAID_BY_HOUR"
  }
}
```

Output Example

```
{
  "Response": {
    "InstanceId": "cdwdoris-aijqera",
    "FlowId": "1231",
    "RequestId": "lweinasd-28kamasd-xasdas",
    "ErrorMsg": ""
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DestroyInstance

Last updated : 2024-09-12 11:56:30

1. API Description

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

This API is used to terminate clusters.

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: DestroyInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
FlowId	String	Process ID
InstanceId	String	Cluster ID

ErrorMsg	String	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 An Example of Terminating Clusters

Input Example

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

{
  "InstanceId": "cdwdoris-auqe7a"
}
```

Output Example

```
{
  "Response": {
    "FlowId": "1231",
    "InstanceId": "cdwdoris-auqe7a",
    "ErrorMsg": "",
    "RequestId": "xasdfkqe2-a12q29-axdfas"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifySecurityGroups

Last updated : 2024-09-12 11:56:29

1. API Description

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

This API is used to edit security 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: ModifySecurityGroups.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
OldSecurityGroupIds.N	No	Array of String	Security group information before modification
ModifySecurityGroupIds.N	No	Array of String	Modified security group information

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message 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 Editing the Security Group

Input Example

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

{
  "InstanceId": "abc",
  "OldSecurityGroupIds": [
    "abc"
  ],
  "ModifySecurityGroupIds": [
    "abc"
  ]
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ReduceInstance

Last updated : 2024-09-12 11:56:28

1. API Description

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

This API is used to scale in clusters.

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: ReduceInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
DelHosts.N	Yes	Array of String	Node list
Type	Yes	String	Role (MATER/CORE), MASTER corresponds to FE, CORE corresponds to BE.
HaType	Yes	Integer	High availability cluster type after scale-in. 0: non-high availability; 1: read high availability; 2: read-write high availability

3. Output Parameters

Parameter Name	Type	Description
FlowId	String	Process ID
InstanceId	String	Cluster ID
ErrorMsg	String	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 Scale-in API

Input Example

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

{
  "InstanceId": "cdwdoris-xqewrqx",
  "Type": "MASTER",
  "DelHosts": [
    "10.0.1.12"
  ],
  "HaType": 1
}
```

Output Example

```
{
  "Response": {
    "FlowId": "1231",
    "InstanceId": "cdwdoris-xqewrqx",
    "ErrorMsg": "",
  }
}
```

```
"RequestId": "xasdfkqe2-a12q29-axdfas"  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ResizeDisk

Last updated : 2024-09-12 11:56:28

1. API Description

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

This API is used to expand cloud disks.

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: ResizeDisk.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Cluster ID
Type	Yes	String	Role (MATER/CORE), MASTER corresponds to FE, CORE corresponds to BE.
DiskSize	Yes	Integer	Cloud disk size

3. Output Parameters

--	--	--

Parameter Name	Type	Description
InstanceId	String	Instance ID
FlowId	String	Process ID
ErrorMsg	String	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 An Example of Cloud Disk Expansion

Input Example

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

{
  "InstanceId": "cdwdoris-asdfxw",
  "Type": "CORE",
  "DiskSize": 3000
}
```

Output Example

```
{
  "Response": {
    "FlowId": "1231",
    "InstanceId": "cdwch-auqe7a",
    "ErrorMsg": "",
    "RequestId": "xasdfkqe2-a12q29-axdfas"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ScaleOutInstance

Last updated : 2024-09-12 11:56:27

1. API Description

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

This API is used to horizontally scale out nodes.

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: ScaleOutInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
Type	Yes	String	Role (MASTER/CORE), MASTER corresponds to FE, CORE corresponds to BE.
NodeCount	Yes	Integer	Number of nodes
HaType	No	Integer	Cluster high availability type after scaled out: 0 indicates non-high availability, 1 indicates read high availability, and 2 indicates read-write high availability.

3. Output Parameters

Parameter Name	Type	Description
FlowId	String	Process ID
InstanceId	String	Cluster ID
ErrorMsg	String	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 An Example of Horizontal Scaling

Input Example

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

{
  "InstanceId": "cdwdoris-xqewrqx",
  "Type": "MASTER",
  "NodeCount": 5
}
```

Output Example

```
{
  "Response": {
    "FlowId": "1231",
    "InstanceId": "cdwdoris-xqewrqx",
    "ErrorMsg": "",
    "RequestId": "xasdfkqe2-a12q29-axdfas"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ScaleUpInstance

Last updated : 2024-09-12 11:56:26

1. API Description

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

This API is used to scale up/down computing resources.

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: ScaleUpInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
SpecName	Yes	String	Node specifications
Type	Yes	String	Role (MASTER/CORE). MASTER corresponds to FE, and CORE corresponds to BE.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
FlowId	String	Process ID
InstanceId	String	Instance ID
ErrorMsg	String	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 An Example of Vertical Configuration Adjustment of Nodes

Input Example

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

{
  "InstanceId": "cdwdoris-xad3fa9",
  "SpecName": "S_8_32_H",
  "Type": "CORE"
}
```

Output Example

```
{
  "Response": {
    "FlowId": "1231",
    "InstanceId": "cdwch-auqe7a",
    "ErrorMsg": "",
    "RequestId": "xasdfkqe2-a12q29-axdfas"
  }
}
```


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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeClusterConfigsHistory

Last updated : 2024-09-12 11:56:31

1. API Description

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

This API is used to obtain the modification history of cluster configuration files.

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: DescribeClusterConfigsHistory.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Cluster ID
Offset	Yes	Integer	Pagination parameters. The first page is 0, and the second page is 10.
Limit	Yes	Integer	Pagination parameters. The pagination step length is 10 by default.
StartTime	Yes	String	Start of the time range for configuration modification history
EndTime	Yes	String	End of the time range for configuration modification history

ConfigFileNames.N	No	Array of String	Configuration file name array to be queried. If it is empty, all historical records will be queried. Currently supported configuration file names are as follows: apache_hdfs_broker.conf; be.conf; fe.conf; core-site.xml; hdfs-site.xml; odbcinst.ini
-------------------	----	-----------------	---

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of instances
ClusterConfHistory	Array of ClusterConfigsHistory	Modification history of the configuration file
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 test

Input Example

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

{
  "InstanceId": "abc",
  "ConfigFileNames": [
    "abc"
  ],
  "Offset": 0,
  "Limit": 0,
  "StartTime": "abc",
  "EndTime": "abc"
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "ClusterConfHistory": [
      {
        "FileName": "abc",
        "NewConfValue": "abc",
        "OldConfValue": "abc",
        "Remark": "abc",
        "ModifyTime": "abc",
        "UserUin": "abc"
      }
    ],
    "RequestId": "abc"
  }
}
```

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
InternalError	Internal error.

ModifyInstance

Last updated : 2024-08-30 14:34:38

1. API Description

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

This API is used to modify the cluster's name.

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: ModifyInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
InstanceName	Yes	String	Newly modified instance name

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 Instance Information

This example shows you how to modify the instance name.

Input Example

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

{
  "InstanceId": "cdwch-12345678",
  "InstanceName": "cdwch-test"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "xxxx-xxxx"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeCreateTablesDDL

Last updated : 2024-08-30 14:35:10

1. API Description

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

This API is used to batch obtain the table creation DDL.

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: DescribeCreateTablesDDL.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, TCHouse-D resource ID.
DbTablesInfos.N	Yes	Array of DbTablesInfo	Require the database and table for the table creation DDL.
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D

			cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
IsBrief	No	Boolean	Whether to hide partition information

3. Output Parameters

Parameter Name	Type	Description
CreateTablesDDLs	Array of CreateTablesDDL	DDL information for creating a table Note: This field may return null, indicating that no valid values can be obtained.
Message	String	Error message 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 Obtaining the Table Creation DDL

This example shows you how to obtain the table creation DDL.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "DbTablesInfos": [
    {
      "DbName": "demo1",
      "TablesName": [
        "unique_idx_col13"
```

```

]
},
{
  "DbName": "demo2",
  "TablesName": [
    "duplicate_list_partition"
  ]
}
]
}

```

Output Example

```

{
  "Response": {
    "CreateTablesDDLs": [
      {
        "DbName": "demo1",
        "TablesDDLs": [
          {
            "DDLInfo": "CREATE TABLE `unique_idx_col13` (\n `user_id` LARGEINT NOT NULL COMMENT 'User id',\n `date` DATE NOT NULL COMMENT 'Date and time of data import',\n `city` VARCHAR(20) NULL COMMENT 'User's city',\n `age` SMALLINT NULL COMMENT 'User's age',\n `sex` TINYINT NULL COMMENT 'User's gender',\n `f6_decimal` DECIMAL(10, 6) NULL COMMENT 'DECIMAL column',\n `f7_boolean` BOOLEAN NULL COMMENT 'BOOLEAN column; 0 represents false and 1 represents true.',\n `f8_double` DOUBLE NULL COMMENT 'DOUBLE column',\n `f9_float` FLOAT NULL COMMENT 'FLOAT column',\n `f10_string` TEXT NULL COMMENT 'STRING column',\n `last_visit_date` DATETIME NULL COMMENT 'User's last access time',\n `cost` BIGINT NULL COMMENT 'User's total consumption, which is 0 by default.',\n `max_dwell_time` INT NULL COMMENT 'User's maximum stay time, which is 0 by default.'\n) ENGINE=OLAP\nUNIQUE KEY(`user_id`, `date`, `city`)\nDISTRIBUTED BY HASH(`user_id`) BUCKETS 1\nPROPERTIES (\n\"replication_allocation\" = \"tag.location.default: 1\", \n\"min_load_replica_num\" = \"-1\", \n\"is_being_synced\" = \"false\", \n\"storage_medium\" = \"hdd\", \n\"storage_format\" = \"V2\", \n\"inverted_index_storage_format\" = \"V1\", \n\"enable_unique_key_merge_on_write\" = \"true\", \n\"light_schema_change\" = \"true\", \n\"disable_auto_compaction\" = \"false\", \n\"enable_single_replica_compaction\" = \"false\", \n\"group_commit_interval_ms\" = \"10000\", \n\"group_commit_data_bytes\" = \"134217728\", \n\"enable_mow_light_delete\" = \"false\"\n);",
            "TableName": "unique_idx_col13"
          }
        ]
      },
      {
        "DbName": "demo2",
        "TablesDDLs": [

```

```

{
  "DDLInfo": "CREATE TABLE `duplicate_list_partition` (\n `user_id` LARGEINT NOT NU
  LL COMMENT 'User ID',\n `date` DATE NOT NULL COMMENT 'Date and time of data impor
  t',\n `city` VARCHAR(20) NOT NULL COMMENT 'User's city',\n `age` SMALLINT NULL CO
  MMENT 'User's age',\n `sex` TINYINT NULL COMMENT 'User's gender',\n `f6_decimal`
  DECIMAL(10, 6) NULL COMMENT 'DECIMAL column',\n `f7_boolean` BOOLEAN NULL COMMENT
  'BOOLEAN column; 0 represents false and 1 represents true.',\n `f8_double` DOUBLE
  NULL COMMENT 'DOUBLE column',\n `f9_float` FLOAT NULL COMMENT 'FLOAT column',\n `
  f10_string` TEXT NULL COMMENT 'STRING column',\n `last_visit_date` DATETIME NULL
  COMMENT 'User's last access time',\n `cost` BIGINT NULL COMMENT 'User's total con
  sumption, which is 0 by default.',\n `max_dwell_time` INT NULL COMMENT 'User's ma
  ximum stay time, which is 0 by default.'\n) ENGINE=OLAP\nDUPLICATE KEY(`user_id`,
  `date`, `city`)\nPARTITION BY LIST(`city`)\n(PARTITION city_bj VALUES IN (\n"Beiji
  ng",\n"beijing",\n"BEIJING",\n"BeiJing",\n"Beijing") (\n"storage_policy" = \n"202
  40806-16-48-Cold storage"),\nPARTITION city_cd VALUES IN (\n"Chengdu",\n"chengdu
  ",\n"CHENGDU",\n"ChengDu",\n"Chengdu") (\n"storage_policy" = \n"20240806-16-48-Co
  ld storage"),\nPARTITION city_sh VALUES IN (\n"Shanghai",\n"shanghai",\n"SHANGHAI
  ",\n"ShangHai",\n"Shanghai") (\n"storage_policy" = \n"20240806-16-48-Cold storage
  "),\nPARTITION add_p1 VALUES IN (\n"haha1") (\n"storage_policy" = \n"20240806-16-
  48-Cold storage"),\nPARTITION add_p10 VALUES IN (\n"haha10") (\n"storage_policy"
  = \n"20240806-16-48-Cold storage"),\nPARTITION add_p11 VALUES IN (\n"haha11")
  (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p12 VALUES
  IN (\n"haha12") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITIO
  N add_p13 VALUES IN (\n"haha13") (\n"storage_policy" = \n"20240806-16-48-Cold stor
  age"),\nPARTITION add_p14 VALUES IN (\n"haha14") (\n"storage_policy" = \n"2024080
  6-16-48-Cold storage"),\nPARTITION add_p15 VALUES IN (\n"haha15") (\n"storage_pol
  icy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p16 VALUES IN (\n"haha16
  ") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p17 VA
  LUES IN (\n"haha17") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPAR
  TITION add_p18 VALUES IN (\n"haha18") (\n"storage_policy" = \n"20240806-16-48-Cold
  storage"),\nPARTITION add_p19 VALUES IN (\n"haha19") (\n"storage_policy" = \n"202
  40806-16-48-Cold storage"),\nPARTITION add_p2 VALUES IN (\n"haha2") (\n"storage_p
  olicy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p20 VALUES IN (\n"haha2
  0") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p21 V
  ALUES IN (\n"haha21") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPA
  RTITION add_p22 VALUES IN (\n"haha22") (\n"storage_policy" = \n"20240806-16-48-Col
  d storage"),\nPARTITION add_p23 VALUES IN (\n"haha23") (\n"storage_policy" = \n"2
  0240806-16-48-Cold storage"),\nPARTITION add_p24 VALUES IN (\n"haha24") (\n"stora
  ge_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p25 VALUES IN (\n"h
  aha25") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p
  26 VALUES IN (\n"haha26") (\n"storage_policy" = \n"20240806-16-48-Cold storage
  "),\nPARTITION add_p27 VALUES IN (\n"haha27") (\n"storage_policy" = \n"20240806-1
  6-48-Cold storage"),\nPARTITION add_p28 VALUES IN (\n"haha28") (\n"storage_policy
  " = \n"20240806-16-48-Cold storage"),\nPARTITION add_p29 VALUES IN (\n"haha29")
  (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION add_p3 VALUES
  IN (\n"haha3") (\n"storage_policy" = \n"20240806-16-48-Cold storage"),\nPARTITION
  add_p30 VALUES IN (\n"haha30") (\n"storage_policy" = \n"20240806-16-48-Cold storag

```

```
e\"),\nPARTITION add_p4 VALUES IN (\\"haha4\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION add_p5 VALUES IN (\\"haha5\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION add_p6 VALUES IN (\\"haha6\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION add_p7 VALUES IN (\\"haha7\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION add_p8 VALUES IN (\\"haha8\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION add_p9 VALUES IN (\\"haha9\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_0 VALUES IN (\\"wuhan0\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_1 VALUES IN (\\"wuhan1\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_10 VALUES IN (\\"wuhan10\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_2 VALUES IN (\\"wuhan2\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_3 VALUES IN (\\"wuhan3\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_4 VALUES IN (\\"wuhan4\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_5 VALUES IN (\\"wuhan5\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_6 VALUES IN (\\"wuhan6\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_7 VALUES IN (\\"wuhan7\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_8 VALUES IN (\\"wuhan8\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"),\nPARTITION wh_partition_9 VALUES IN (\\"wuhan9\\") (\\"storage_policy\\" = \\"20240806-16-48-Cold storage\\"))\nDISTRIBUTED BY HASH(`user_id`) BUCKETS 1\nPROPERTIES (\n\\"replication_allocation\\" = \\"tag.location.default: 3\\",\n\\"min_load_replica_num\\" = \\"-1\\",\n\\"is_being_synced\\" = \\"false\\",\n\\"storage_medium\\" = \\"hdd\\",\n\\"storage_format\\" = \\"V2\\",\n\\"inverted_index_storage_format\\" = \\"V1\\",\n\\"light_schema_change\\" = \\"true\\",\n\\"disable_auto_compaction\\" = \\"false\\",\n\\"enable_single_replica_compaction\\" = \\"false\\",\n\\"group_commit_interval_ms\\" = \\"10000\\",\n\\"group_commit_data_bytes\\" = \\"134217728\\")\n);\n"TableName": "duplicate_list_partition"\n}\n]\n},\n"Message": "",\n"RequestId": "f8f5e0af-7d36-4b49-8b4d-9c103deef55a"\n}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstanceOperationHistory

Last updated : 2024-09-14 11:01:32

1. API Description

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

This API is used to pull the operation list of the cluster. The API supports pagination query and filtering operation records by time 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: DescribeInstanceOperationHistory.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
PageNum	No	Integer	Page number, which is 1 by default.
PageSize	No	Integer	Number of records per page, which is 10 by default.
StartTime	No	String	Start time
EndTime	No	String	End time

UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of operation records
Operations	Array of InstanceOperation	Specific data of operation records
Message	String	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 Querying Operation Records

Input Example

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

{
  "InstanceId": "cdwdoris-xxx",
  "PageNum": 1,
  "PageSize": 3,
  "StartTime": "2024-07-28 00:00:00",
  "EndTime": "2025-08-26 17:49:49"
```



```
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 66,
    "Operations": [
      {
        "JobId": 14103,
        "Name": "restart_cluster",
        "Desc": "abc",
        "Result": "Success",
        "Level": "Normal",
        "LevelDesc": "abc",
        "StartTime": "2024-09-11 11:17:31",
        "EndTime": "2024-09-11 11:18:51.523283",
        "ResultDesc": "abc",
        "OperateUin": "abc",
        "OperationDetail": "abc"
      },
      {
        "JobId": 14102,
        "Name": "restart_cluster",
        "Desc": "abc",
        "Result": "Success",
        "Level": "Normal",
        "LevelDesc": "abc",
        "StartTime": "2024-09-11 11:15:10",
        "EndTime": "2024-09-11 11:17:27.470959",
        "ResultDesc": "abc",
        "OperateUin": "abc",
        "OperationDetail": "abc"
      },
      {
        "JobId": 14101,
        "Name": "restart_cluster",
        "Desc": "abc",
        "Result": "Success",
        "Level": "Normal",
        "LevelDesc": "abc",
        "StartTime": "2024-09-11 11:13:28",
        "EndTime": "2024-09-11 11:14:07.669157",
        "ResultDesc": "abc",
        "OperateUin": "abc",

```

```
"OperationDetail": "abc"
},
"RequestId": "abc-abc-abc-abc-abc",
"Message": ""
}
```

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](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Database and Table APIs

CopyTableDatas

Last updated : 2024-09-12 11:39:06

1. API Description

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

This API is used to copy the source table to the target table.

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: CopyTableDatas.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
CopiedFromDb	Yes	String	Name of the database where the source table is located.
CopiedFromTable	Yes	String	Source table name
CopyToDb	Yes	String	Name of the database where the target table is located
CopyToTable	Yes	String	Target table name. If the table already exists, the structure of

			the source table and target table should be the same.
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
IsDataOverwrite	No	Boolean	Whether the data in the target table is overwritten. The default value is False.

3. Output Parameters

Parameter Name	Type	Description
Message	String	Error message 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 Copying Table

This example shows you how to copy SourceDb.SourceTable to TargetDb.TargetTable.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "CopiedFromDb": "SourceDb",
  "CopiedFromTable": "SourceTable",
```

```
"CopyToDb": "TargetDb",  
"CopyToTable": "TargetTable"  
}
```

Output Example

```
{  
  "Response": {  
    "Message": "",  
    "RequestId": "894fc11c-393c-4ab7-bfac-ba64af52b1f9"  
  }  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CreateDatabase

Last updated : 2024-09-12 11:43:44

1. API Description

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

This API is used to create a TCHouse-D database.

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: CreateDatabase.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
DbName	Yes	String	Name of database to be created
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.

Properties.N	No	Array of Property	Database attributes. For keys with the same attributes, the priority of the table attribute is higher than that of the database attribute.
--------------	----	-----------------------------------	--

3. Output Parameters

Parameter Name	Type	Description
Message	String	Error message 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 Database

This example shows you how to create a demo database.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "DbName": "demo",
  "Properties": [
    {
      "PropertyKey": "replication_allocation",
      "PropertyValue": "tag.location.default: 1"
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "Message": "",
    "RequestId": "494d3ca4-1d4d-483a-b172-1fdd4acee042"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CreateTable

Last updated : 2025-03-12 00:08:58

1. API Description

Domain name for API request: cdwdoris.intl.tencentcloudapi.com.

This API is used to create a TCHouse-D table under the specified database.

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: CreateTable.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
DbName	Yes	String	The database where the table is located; if it does not exist, create one.
TableName	Yes	String	Name of the table to be created
KeysType	Yes	String	Table data model: AGG_KEY: aggregation model; UNI_KEY: primary key model; DUP_KEY: detail model

Columns.N	Yes	Array of Column	Column information of the table
Distribution	Yes	Distribution	Bucket information
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
IndexInfos.N	No	Array of IndexInfo	Index information. The inverted index and N-Gram index can be configured through this parameter. The Prefix index is related to the sort key and key column, and do not require additional configuration. Configure bloom_filter_columns in the table attribute when BloomFilter index is required.
Partition	No	Partition	Partition information
TableComment	No	String	Table description
Properties.N	No	Array of Property	Table attribute

3. Output Parameters

Parameter Name	Type	Description
Message	String	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 Table - Aggregation Model

This example shows you how to create a table with the aggregation model.

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateTable
<common request parameters>

{
  "InstanceId": "cdwdoris-lrqz7cd4",
  "DbName": "demo",
  "TableName": "test",
  "KeysType": "AGG_KEY",
  "Columns": [
    {
      "Name": "user_id",
      "Type": "LARGEINT",
      "IsNull": false,
      "IsKey": true,
      "IsPartition": false,
      "IsDistribution": true,
      "Comment": "User ID"
    },
    {
      "Name": "date",
      "Type": "DATE",
      "IsNull": false,
      "IsKey": true,
      "IsPartition": true,
      "IsDistribution": false,
      "Comment": "Date and time of the data"
    },
    {
      "Name": "city",
      "Type": "VARCHAR(20)",
      "IsNull": true,
      "IsKey": true,
      "IsPartition": false,
      "IsDistribution": false,
      "Comment": "User's city"
    },
    {
      "Name": "last_visit_date",
      "Type": "DATETIME",
      "AggType": "REPLACE",
      "IsNull": false,
      "IsKey": false,

```

```
"DefaultValue": "1970-01-01 00:00:00",
"IsPartition": false,
"IsDistribution": false,
"Comment": "The last visit time of the user"
},
{
  "Name": "cost",
  "Type": "BIGINT",
  "AggType": "SUM",
  "IsNull": false,
  "IsKey": false,
  "DefaultValue": "0",
  "IsPartition": false,
  "IsDistribution": false,
  "Comment": "Total cost of users"
}
],
"Distribution": {
  "DistributionType": "Hash",
  "Count": 3
},
"Partition": {
  "PartitionType": "Range",
  "AutoPartition": false,
  "RangeInfos": [
    {
      "RangeType": "LESS THAN",
      "PartitionName": "p201701",
      "Max": "(\"2017-02-01\")"
    },
    {
      "RangeType": "FIXED",
      "PartitionName": "a202",
      "Left": "(\"2017-02-02\")",
      "Right": "(\"2017-03-01\")"
    }
  ]
},
"TableComment": "example",
"Properties": [
  {
    "PropertyKey": "replication_allocation",
    "PropertyValue": "tag.location.default: 1"
  }
]
}
```

Output Example

```
{
  "Response": {
    "Message": "",
    "RequestId": "feef710c-431d-443b-b5fb-bc7ca25bfafd"
  }
}
```

Example2 Creating a Table - Detailed Model

This example shows you how to create a table with the detailed model.

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateTable
<common request parameters>
```

```
{
  "InstanceId": "cdwdoris-lrqz7cd4",
  "DbName": "demo",
  "TableName": "dup_test",
  "KeysType": "DUP_KEY",
  "Columns": [
    {
      "Name": "timestamp",
      "Type": "DATETIME",
      "IsNull": false,
      "IsKey": true,
      "IsPartition": false,
      "IsDistribution": false,
      "Comment": "Log time"
    },
    {
      "Name": "type",
      "Type": "INT",
      "IsNull": false,
      "IsKey": true,
      "IsPartition": false,
      "IsDistribution": true,
      "Comment": "Log type"
    }
  ]
}
```

```
"Name": "error_code",
"Type": "INT",
"IsNull": true,
"IsKey": true,
"IsPartition": false,
"IsDistribution": false,
"Comment": "Error code"
},
{
  "Name": "error_msg",
  "Type": "VARCHAR(1024)",
  "IsNull": true,
  "IsKey": false,
  "IsPartition": false,
  "IsDistribution": false,
  "Comment": "Error message"
},
{
  "Name": "op_id",
  "Type": "BIGINT",
  "IsNull": true,
  "IsKey": false,
  "IsPartition": false,
  "IsDistribution": false,
  "Comment": "Operator ID"
},
{
  "Name": "op_time",
  "Type": "DATETIME",
  "IsNull": true,
  "Comment": "Processing time"
}
],
"Distribution": {
  "DistributionType": "Hash",
  "Count": 1
},
"Properties": [
  {
    "PropertyKey": "replication_allocation",
    "PropertyValue": "tag.location.default: 1"
  }
]
}
```

Output Example

```
{
  "Response": {
    "Message": "",
    "RequestId": "1b12e7c9-4802-412c-b23b-5a2514f508a8"
  }
}
```

Example3 Creating a Table - Primary Key Model

This example shows you how to create a table with the primary key model.

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateTable
<common request parameters>
```

```
{
  "InstanceId": "cdwdoris-lrqz7cd4",
  "DbName": "demo",
  "TableName": "uni_test1",
  "KeysType": "UNI_KEY",
  "Columns": [
    {
      "Name": "user_id",
      "Type": "LARGEINT",
      "IsNull": false,
      "IsKey": true,
      "IsPartition": false,
      "IsDistribution": true,
      "Comment": "User ID"
    },
    {
      "Name": "username",
      "Type": "VARCHAR(50)",
      "IsNull": false,
      "IsKey": true,
      "IsPartition": false,
      "IsDistribution": false,
      "Comment": "User nickname"
    },
    {
      "Name": "city",
      "Type": "VARCHAR(20)",

```

```
"IsNull": true,
"IsKey": false,
"IsPartition": false,
"IsDistribution": false,
"Comment": "User's city"
},
{
  "Name": "age",
  "Type": "SMALLINT",
  "IsNull": true,
  "IsKey": false,
  "IsPartition": false,
  "IsDistribution": false,
  "Comment": "User's age"
},
{
  "Name": "sex",
  "Type": "TINYINT",
  "IsNull": true,
  "IsKey": false,
  "IsPartition": false,
  "IsDistribution": false,
  "Comment": "User's gender"
},
{
  "Name": "phone",
  "Type": "LARGEINT",
  "IsNull": true,
  "Comment": "User's phone number"
},
{
  "Name": "address",
  "Type": "VARCHAR(500)",
  "IsNull": true,
  "Comment": "User's address"
},
{
  "Name": "register_time",
  "Type": "DATETIME",
  "IsNull": true,
  "Comment": "User's registration time"
}
],
"Distribution": {
  "DistributionType": "Hash",
  "Count": 1
},
}
```



```
"Properties": [  
  {  
    "PropertyKey": "replication_allocation",  
    "PropertyValue": "tag.location.default: 1"  
  }  
]
```

Output Example

```
{  
  "Response": {  
    "Message": "",  
    "RequestId": "1e10c4a5-44cf-4833-be5b-cb5fb8217c43"  
  }  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DeleteTable

Last updated : 2024-09-12 11:43:43

1. API Description

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

This API is used to delete the specified table in the specified database.

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: DeleteTable.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
DbName	Yes	String	The name of the database where the table belongs needs to be deleted.
TableName	Yes	String	Table name to be deleted
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.

PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
IsForce	No	Boolean	True: The system will not check whether there are unfinished transactions in the table. The table will be deleted directly and cannot be recovered. False: The deleted table can be recovered within a period of time (default value).

3. Output Parameters

Parameter Name	Type	Description
Message	String	Error message 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 Deleting Tables Under the Specified Database

This example shows you how to delete the test table under the demo database.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "DbName": "demo",
  "TableName": "test",
  "IsForce": false
}
```

Output Example

```
{
  "Response": {
    "Message": "",
    "RequestId": "41de726a-0bd6-4794-8324-5fd73c312886"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeDatabase

Last updated : 2024-09-12 11:43:42

1. API Description

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

This API is used to obtain the database information under a specific data source.

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: DescribeDatabase.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	Query the data source where the database is located. If it is not filled in, the internal data source (internal) will be used by default.

DbNames.N	No	Array of String	The database information to be queried. If this parameter and FilterDbName are not filled in, all database information of the current data source will be queried by default.
FilterDbName	No	String	Display the filtered database information. For example, %infor indicates database names ending with infor. This parameter only supports scenarios where CatalogName is internal.

3. Output Parameters

Parameter Name	Type	Description
DbInfos	Array of DbInfo	Database information Note: This field may return null, indicating that no valid values can be obtained.
Message	String	Error message 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 Obtaining the Database Information

This example shows you how to obtain the database information of the internal data source.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "CatalogName": "internal"
}
```

Output Example

```
{
  "Response": {
    "DbInfos": [
      {
        "DbName": "test",
        "Location": "",
        "Properties": null
      },
      {
        "DbName": "db1",
        "Location": "",
        "Properties": [
          {
            "PropertyKey": "min_load_replica_num",
            "PropertyValue": "-1"
          },
          {
            "PropertyKey": "replication_allocation",
            "PropertyValue": "tag.location.default: 3"
          }
        ]
      }
    ],
    "Message": "",
    "RequestId": "43516a7e-aa6c-4f43-8435-71d4e41dbd8a"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeTable

Last updated : 2024-09-12 11:43:42

1. API Description

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

This API is used to obtain the table information. It only supports querying table information in the TCHouse-D internal catalog.

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: DescribeTable.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
DbName	Yes	String	Name of database where the table is located
TableName	Yes	String	Table name (Currently only internal tables are supported.)
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.

PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
----------	----	--------	---

3. Output Parameters

Parameter Name	Type	Description
KeysType	String	Note: This field may return null, indicating that no valid values can be obtained.
Columns	Array of Column	Note: This field may return null, indicating that no valid values can be obtained.
IndexInfos	Array of IndexInfo	Note: This field may return null, indicating that no valid values can be obtained.
Partition	Partition	Note: This field may return null, indicating that no valid values can be obtained.
Distribution	Distribution	Note: This field may return null, indicating that no valid values can be obtained.
TableComment	String	Note: This field may return null, indicating that no valid values can be obtained.
Properties	Array of Property	Note: This field may return null, indicating that no valid values can be obtained.
Message	String	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 Obtaining the Table Information

This example shows you how to obtain the test table information under the demo database.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "DbName": "demo",
  "TableName": "test"
}
```

Output Example

```
{
  "Response": {
    "Columns": [
      {
        "AggType": "",
        "AutoInc": false,
        "Comment": "User ID",
        "DefaultValue": "",
        "IsDistribution": true,
        "IsKey": true,
        "IsNull": false,
        "IsPartition": false,
        "Name": "user_id",
        "Type": "LARGEINT"
      },
      {
        "AggType": "",
        "AutoInc": false,
        "Comment": "Date and time of data writing",
        "DefaultValue": "",
        "IsDistribution": false,
        "IsKey": true,
        "IsNull": false,
        "IsPartition": true,
        "Name": "date",
        "Type": "DATE"
      },
      {
        "AggType": "",
        "AutoInc": false,
        "Comment": "User's city",
```

```
"DefaultValue": "",
"IsDistribution": false,
"IsKey": true,
"IsNull": true,
"IsPartition": false,
"Name": "city",
"Type": "VARCHAR(20)"
},
{
  "AggType": "REPLACE",
  "AutoInc": false,
  "Comment": "User's last access time",
  "DefaultValue": "1970-01-01 00:00:00",
  "IsDistribution": false,
  "IsKey": false,
  "IsNull": false,
  "IsPartition": false,
  "Name": "last_visit_date",
  "Type": "DATETIME"
},
{
  "AggType": "SUM",
  "AutoInc": false,
  "Comment": "User's total consumption",
  "DefaultValue": "0",
  "IsDistribution": false,
  "IsKey": false,
  "IsNull": false,
  "IsPartition": false,
  "Name": "cost",
  "Type": "BIGINT"
}
],
"Distribution": {
  "Count": 3,
  "DistributionType": "Hash"
},
"IndexInfos": null,
"KeysType": "AGG_KEY",
"Message": "",
"Partition": {
  "AutoPartition": false,
  "ListInfos": null,
  "PartitionType": "Range",
  "RangeInfos": [
    {
      "Left": "",
```

```
"Max": "(\"2017-02-01\")",
"PartitionName": "0201",
"RangeType": "LESS THAN",
"Right": "",
"StepLength": 0,
"Unit": ""
},
{
"Left": "(\"2011-02-01\")",
"Max": "",
"PartitionName": "0202",
"RangeType": "FIXED",
"Right": "(\"2012-02-01\")",
"StepLength": 0,
"Unit": ""
}
],
"Properties": [
{
"PropertyKey": "replication_allocation",
"PropertyValue": "tag.location.default: 1"
}
],
"RequestId": "f4f99674-26f1-49c9-86eb-40f146f26b97",
"TableComment": "example"
}
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeTableList

Last updated : 2024-09-12 11:43:41

1. API Description

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

This API is used to obtain the list of tables under the specified data source and database.

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: DescribeTableList.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
DbName	Yes	String	Database for obtaining the list of tables
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.

CatalogName	No	String	Query the data source where the database is located. If it is not filled in, the internal data source (internal) will be used by default.
-------------	----	--------	---

3. Output Parameters

Parameter Name	Type	Description
TableNames	Array of String	List of table names Note: This field may return null, indicating that no valid values can be obtained.
Message	String	Error message 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 Obtaining the List of Tables

This example shows you how to obtain the table list under the internal data source and demo database.

Input Example

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

{
  "InstanceId": "cdwdoris-bjizjxxx",
  "DbName": "demo"
}
```

Output Example

```
{
  "Response": {
```



```
"Message": "",
"RequestId": "28caf1f1-9192-477c-94d4-e910b87ca0fc",
"TableNames": [
  "test",
  "table"
]
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ExecuteParametrizedQuery

Last updated : 2024-09-14 11:01:31

1. API Description

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

This API is used to execute an SQL query statement with parameters and return the query results.

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: ExecuteParametrizedQuery.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Database	Yes	String	Database name
Sql	Yes	String	SQL query statement
Instanceld	Yes	String	Instanceld
QueryParameter.N	No	Array of PropertiesMap	Query parameter array.
PageNum	No	Integer	Page number, which is 1 by default.

PageSize	No	Integer	Number of records per page, which is 10 by default.
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	Catalog name, defaults to 'internal' if not specified.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total records of query results
Fields	Array of String	Field name array of query results
FieldTypes	Array of String	Field type array of query results
Rows	Array of Rows	Returned data record array. Each element is an array, containing the value of the corresponding field.
Message	String	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 Querying with Parameters

Input Example

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

{
  "InstanceId": "cdwdoris-xx",
  "Database": "__internal_schema",
  "Sql": "SELECT `query_id`, `time`, `stmt` FROM `audit_log` where query_id = @query_id and time = @time;",
  "QueryParameter": [
    {
      "PropertyKey": "query_id",
      "PropertyValue": "100115473d1f4d0d-9211c31e6b77ddaf"
    },
    {
      "PropertyKey": "time",
      "PropertyValue": "2024-08-30 06:14:20.064"
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "Fields": [
      "query_id",
      "time",
      "stmt"
    ],
    "Rows": [
      {
        "DataRow": [
          "100115473d1f4d0d-9211c31e6b77ddaf",
          "2024-08-30 06:14:20.064 +0800 CST",
          " SHOW PROC '/frontends'"
        ]
      }
    ],
    "RequestId": "xx-xx-x-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.

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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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ExecuteSelectQuery

Last updated : 2024-09-14 11:01:30

1. API Description

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

This API is used to query data according to the specified database and table name, and support field selection and pagination.

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: ExecuteSelectQuery.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Database	Yes	String	Database name
Query	Yes	String	SQL query statements only support select statements.
Instanceld	Yes	String	Instanceld
PageNum	No	Integer	Page number, which is 1 by default.
PageSize	No	Integer	Number of records per page, which is 10 by default.
UserName	No	String	Use the user who has corresponding permissions for operations. If

			the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	Catalog name, defaults to 'internal' if not specified.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total records of query results
Fields	Array of String	Field name array of query results
FieldTypes	Array of String	Field type array of query results
Rows	Array of Rows	Returned data record array. Each element is an array, containing the value of the corresponding field.
Message	String	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 Querying According to SQL

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ExecuteSelectQuery
```

<Common request parameters>

```
{
  "InstanceId": "cdwdoris-xxx",
  "Database": "demo1",
  "Query": "SELECT * FROM my_table LIMIT 10 OFFSET 0;"
}
```

Output Example

```
{
  "Response": {
    "Fields": [
      "id",
      "name",
      "age",
      "salary",
      "join_date"
    ],
    "Rows": [
      {
        "DataRow": [
          "11",
          "John Doe",
          "30",
          "7000.50000",
          "2024-08-27 00:00:00 +0800 CST"
        ]
      },
      {
        "DataRow": [
          "21",
          "Jane Smith",
          "25",
          "6000.00000",
          "2024-08-28 00:00:00 +0800 CST"
        ]
      },
      {
        "DataRow": [
          "11",
          "John Doe",
          "30",
          "7000.50000",
          "2024-08-27 00:00:00 +0800 CST"
        ]
      }
    ]
  }
}
```



```
]
},
{
  "DataRow": [
    "21",
    "Jane Smith",
    "25",
    "6000.00000",
    "2024-08-28 00:00:00 +0800 CST"
  ]
},
],
"RequestId": "xx-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.

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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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

QueryTableData

Last updated : 2024-09-14 11:01:29

1. API Description

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

This API is used to query data according to the specified database and table names, and support field selection and pagination.

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: QueryTableData.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Database	Yes	String	Database name
Table	Yes	String	Table name
Instanceld	Yes	String	Instanceld
SelectedFields.N	No	Array of String	Array of fields to be queried
PageNum	No	Integer	Page number, which is 1 by default.

PageSize	No	Integer	Number of records per page, which is 10 by default.
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	Catalog name, defaults to 'internal' if not specified.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total records of query results
Fields	Array of String	Field name array of query results
FieldTypes	Array of String	Field type array of query results
Rows	Array of Rows	Returned data record array. Each element is an array, containing the value of the corresponding field.
Message	String	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 Querying the Table

Input Example

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

{
  "InstanceId": "cdwdoris-xx",
  "Database": "__internal_schema",
  "Table": "audit_log",
  "SelectedFields": ["query_id", "time", "stmt"],
  "PageNum": 1,
  "PageSize": 10
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 201884,
    "Fields": [
      "query_id",
      "time",
      "stmt"
    ],
    "FieldTypes": [
      "varchar(48)",
      "datetime(3)",
      "text"
    ],
    "Rows": [
      {
        "DataRow": [
          "101b40ffd49745f7-81390314edcbd685",
          "2024-09-02 12:21:43.566 +0800 CST",
          " SHOW PROC '/brokers'"
        ]
      },
      {
        "DataRow": [
          "10206b070d714e53-860d81312913b4f9",
          "2024-09-02 16:55:09.246 +0800 CST",
          " SHOW PROC '/backends'"
        ]
      }
    ]
  }
}
```

```
},
{
  "DataRow": [
    "10216c610b93435d-a9dab3ab3312e66a",
    "2024-09-02 20:53:25.565 +0800 CST",
    " SHOW PROC '/backends'"
  ]
}
],
"RequestId": "xx-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](#)
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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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

InsertDatasToTable

Last updated : 2024-09-14 11:01:30

1. API Description

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

This API is used to insert data into TCHouse-D.

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: InsertDatasToTable.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Database	Yes	String	Database name
Table	Yes	String	Table name
Columns.N	Yes	Array of String	Array of column names
Rows.N	Yes	Array of Rows	Data line
Types.N	Yes	Array of String	Array of column types

InstanceId	Yes	String	InstanceId
Strict	No	Boolean	Whether to use the strict mode
MaxFilterRatio	No	Float	Maximum filtration ratio, ranging from 0 to 1.0
Label	No	String	Tags for inserting data
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	Catalog name, defaults to 'internal' if not specified.

3. Output Parameters

Parameter Name	Type	Description
Success	Boolean	Whether the insertion operation is successful
Message	String	Message description of the operation result
InsertCount	Integer	Number of inserted data rows
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 Inserting

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InsertDatasToTable
```

<Common request parameters>

```
{
  "InstanceId": "cdwdoris-xx",
  "Database": "demo1",
  "Table": "my_table",
  "CatalogName": "internal",
  "Columns": ["id", "name", "age", "salary", "join_date"],
  "Rows": [
    {
      "DataRow": ["11", "John Doe", "30", "7000.50", "2024-08-27"]
    },
    {
      "DataRow": ["21", "Jane Smith", "25", "6000.00", "2024-08-28"]
    }
  ],
  "Types": ["BIGINT", "VARCHAR(50)", "INT", "DECIMAL(10,2)", "DATE"]
}
```

Output Example

```
{
  "Response": {
    "Success": true,
    "Message": "Data inserted successfully.",
    "InsertCount": 2,
    "RequestId": "6b10033a-97da-4171-b40c-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

- [Tencent Cloud CLI 3.0](#)

6. Error Code

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

UpdateTableSchema

Last updated : 2024-09-14 11:01:28

1. API Description

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

This API is used to modify the attributes of a specified table. The API parameters are consistent with those for creating a table.

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: UpdateTableSchema.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Resource ID, which is the TCHouse-D resource ID used for table creation.
DbName	Yes	String	Database name
TableName	Yes	String	Table name
Columns.N	Yes	Array of Column	Column

Distribution	Yes	Distribution	Bucket information
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
IndexInfos.N	No	Array of IndexInfo	Index information. The inverted index and N-Gram index can be configured through this parameter. The Prefix index is related to the sort key and key column, and do not require additional configuration. Configure bloom_filter_columns in the table attribute when BloomFilter index is required.
TableComment	No	String	Table description
Properties.N	No	Array of Property	Table attribute

3. Output Parameters

Parameter Name	Type	Description
Message	String	Error message
Success	Boolean	Is it successful
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 the Table

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.tencentcloudapi.com
Content-Type: application/json
```

X-TC-Action: UpdateTableSchema

<Common request parameters>

```
{
  "InstanceId": "cdwdoris-7da9fumk",
  "DbName": "demo1",
  "TableName": "my_table_partition",
  "Columns": [
    {
      "Name": "id",
      "Type": "BIGINT",
      "IsDistribution": true,
      "IsKey": true,
      "IsNull": true
    },
    {
      "Name": "name",
      "Type": "VARCHAR(50)",
      "IsKey": true,
      "IsNull": true
    },
    {
      "Name": "name446",
      "Type": "VARCHAR(50)",
      "IsNull": false,
      "DefaultValue": "1"
    },
    {
      "Name": "name449",
      "Type": "VARCHAR(50)",
      "IsNull": false,
      "DefaultValue": "33"
    },
    {
      "Name": "name333",
      "Type": "VARCHAR(50)",
      "IsNull": true,
      "DefaultValue": "1"
    }
  ]
}
```

```
    },
    {
      "Name": "age2",
      "Type": "INT",
      "IsNull": true
    },
    {
      "Name": "salary",
      "Type": "DECIMAL(10, 5)",
      "IsNull": true
    },
    {
      "Name": "join_date",
      "Type": "DATE",
      "IsPartition": true,
      "IsNull": true
    }
  ],
  "IndexInfos": [
    {
      "IdxType": "NGRAM_BF",
      "ColumnName": "name333",
      "IdxName": "idx_name",
      "IdxComment": "Optional comment about the index",
      "IdxProperties": [{
        "PropertyKey": "gram_size",
        "PropertyValue": "3"
      }],
      {
        "PropertyKey": "bf_size",
        "PropertyValue": "1024"
      }
    ]
  }
],
  "Distribution": {
    "DistributionType": "HASH",
    "Count": 64
  },
  "TableComment": "Optional comment about the table=3",
  "Properties": [
```

```
{
  "PropertyKey": "bloom_filter_columns",
  "PropertyValue": "age2"
}

]

}
```

Output Example

```
{
  "Response": {
    "RequestId": "xx-xx-xx-xx-xx",
    "Success": true,
    "Message": "Table schema updated successfully."
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

UpdateDatabase

Last updated : 2024-09-14 11:01:29

1. API Description

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

This API is used to modify the attributes of a specified database, including setting the data volume quota, renaming the database, setting the replica quantity quota, and modifying other attributes of the database.

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: UpdateDatabase.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
DbName	Yes	String	The database name to be modified
Operation	Yes	String	Modify the operation type, such as SET_QUOTA, RENAME, SET_REPLICA_QUOTA, and SET_PROPERTIES. Modify the operation type, such as SET_QUOTA, RENAME, SET_REPLICA_QUOTA, and SET_PROPERTIES.
InstanceId	Yes	String	InstanceId
Quota	No	String	Quota value, which is used to set the quota of data volume or

			replicas.
NewDbName	No	String	New database name, used for renaming operation.
Properties.N	No	Array of PropertiesMap	Attribute key-value pair to be set
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	The name of the catalog, if left unspecified, defaults to "internal".

3. Output Parameters

Parameter Name	Type	Description
Success	Boolean	Whether the operation is successful
Message	String	Message description of the operation 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 Updating

Input Example

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

```
{
  "InstanceId": "cdwdoris-7da9fumk",
  "DbName": "demo1",
  "Operation": "SET_QUOTA",
  "Quota": "10T",
  "CatalogName": "internal"
}
```

Output Example

```
{
  "Response": {
    "Success": true,
    "Message": "Database quota set successfully.",
    "RequestId": "xxxx-xxxx-xxxx-xxxx"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Cluster Information Viewing APIs

DescribeClusterConfigs

Last updated : 2024-08-30 14:34:46

1. API Description

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

This API is used to get the contents of the latest configuration files (config.xml, metrika.xml, and user.xml) of the cluster and display them to the user.

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: DescribeClusterConfigs.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster instance ID
ConfigType	No	Integer	0 indicates public cloud query, and 1 Qinge query. Qinge query shows all that needs to be displayed.
FileName	No	String	Search for files with fuzzy keywords
ClusterConfigType	No	Integer	0 indicates cluster dimension and 1 node dimension

IPAddress	No	String	eth0's IP address
-----------	----	--------	-------------------

3. Output Parameters

Parameter Name	Type	Description
ClusterConfList	Array of ClusterConfigsInfoFromEMR	Return information about the instance's configuration file.
BuildVersion	String	Return the current kernel version. If it does not exist, a null character string is 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 Getting Cluster Configuration File Content

This example shows you how to obtain the cluster configuration file content when modifying it in XML format.

Input Example

```
https://cdwdoris.tencentcloudapi.com/  
?Action=DescribeClusterConfigs  
&InstanceId=cdwch-xxxx  
&<Common request parameters>
```

Output Example

```
{  
  "Response": {  
    "ClusterConfList": [  
      {  
        "NeedRestart": 1,  
        "OriParam": "ss=sc",  
        "KeyConf": "ss=sc",  
        "FileConf": "ss=sc",  
        "FileName": "test"
```

```
}  
],  
"RequestId": "xx-aa"  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeAreaRegion

Last updated : 2024-09-12 11:40:16

1. API Description

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

This API is used to display region information and the total number of clusters in each region on the cluster list page.

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: DescribeAreaRegion.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
IsInternationalSite	No	Boolean	Whether it is an international site

3. Output Parameters

Parameter Name	Type	Description
Items	Array of RegionAreaInfo	Region list

FrontEndRules	Array of FrontEndRule	Front-end rule description Note: This field may return null, indicating that no valid values can be obtained.
AvailableWhiteListNames	Array of String	Return available allowlist names 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 Obtaining the List of Regions

This example shows you how to display regional information and the total number of clusters in each region on the cluster list page.

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "Items": [
      {
        "Name": "abc",
        "Desc": "abc",
        "Regions": [
          {
            "Name": "abc",
            "Desc": "abc",
            "RegionId": 0,
            "Zones": [
```

```
{
  "Name": "abc",
  "Desc": "abc",
  "ZoneId": 0,
  "Encrypt": 0
},
{
  "Count": 0,
  "IsInternationalSite": 1,
  "Bucket": "abc"
},
{
  "FrontEndRules": [
    {
      "ID": 0,
      "Name": "abc",
      "Rule": "abc"
    }
  ],
  "AvailableWhiteListNames": [
    "abc"
  ],
  "RequestId": "abc"
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstancesHealthState

Last updated : 2024-09-12 11:47:47

1. API Description

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

This API is used to check cluster health

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: DescribeInstancesHealthState.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Input	No	String	If this parameter is left blank, all clusters corresponding to the current apId are involved. Otherwise, a specific cluster is involved.

3. Output Parameters

Parameter Name	Type	Description

Data	String	Base64-encoded data, which contains the cluster health information 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 DescribeInstancesHealthState

This example shows you the cluster health check.

Input Example

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

{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "Data": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeSpec

Last updated : 2024-09-12 11:47:46

1. API Description

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

This API is used to pull the specification list of data nodes and zookeeper nodes for the cluster on the purchase page.

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: DescribeSpec.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Zone	Yes	String	Region information, such as ap-guangzhou-1.
PayMode	No	String	Billing type. PREPAID: annual/monthly package; POSTPAID_BY_HOUR: pay-as-you-go
Zones.N	No	Array of String	Multi-availability zone
SpecName	No	String	Model name

3. Output Parameters

Parameter Name	Type	Description
MasterSpec	Array of ResourceSpec	Zookeeper node specification description
CoreSpec	Array of ResourceSpec	Data node specification description
AttachCBSSpec	Array of DiskSpec	Cloud disk 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 Obtaining the Cluster Specification

This example shows you how to pull the specification list of the cluster's data nodes and zookeeper nodes through the purchase page.

Input Example

```
https://cdwdoris.tencentcloudapi.com/?Action=DescribeSpec
&Zone=ap-guangzhou-1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "10058bc0-40e7-4eb0-9b4d",
    "MasterSpec": [
      {
        "Name": "SCH3",
        "Cpu": 2,
        "Mem": 4,
```

```
"Type": "STANDARD",
"DataDisk": {
  "DiskCount": 1,
  "MaxDiskSize": 32000,
  "MinDiskSize": 100,
  "DiskType": "CLOUD_HSSD",
  "DiskDesc": "Enhanced SSD"
},
"SystemDisk": {
  "DiskCount": 1,
  "MaxDiskSize": 50,
  "MinDiskSize": 50,
  "DiskType": "CLOUD_PREMIUM",
  "DiskDesc": "Premium cloud disk"
},
"MaxNodeSize": 50,
"Available": true,
"ComputeSpecDesc": "2-core; 4 GB"
},
"CoreSpec": [
{
  "Name": "SCH6",
  "Cpu": 4,
  "Mem": 16,
  "Type": "STANDARD",
  "DataDisk": {
    "DiskCount": 1,
    "MaxDiskSize": 32000,
    "MinDiskSize": 100,
    "DiskType": "CLOUD_HSSD",
    "DiskDesc": "Enhanced SSD"
  },
  "SystemDisk": {
    "DiskCount": 1,
    "MaxDiskSize": 50,
    "MinDiskSize": 50,
    "DiskType": "CLOUD_PREMIUM",
    "DiskDesc": "Premium cloud disk"
  },
  "MaxNodeSize": 50,
  "Available": true,
  "ComputeSpecDesc": "4-core; 16 GB"
}
],
"AttachCBSSpec": [
{
```

```
"DiskCount": 1,  
"MaxDiskSize": 32000,  
"MinDiskSize": 100,  
"DiskType": "CLOUD_HSSD",  
"DiskDesc": "Enhanced SSD"  
}  
]  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstance

Last updated : 2024-08-30 14:34:45

1. API Description

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

This API is used to query the specific information of a cluster based on the cluster ID.

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: DescribeInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster instance ID

3. Output Parameters

Parameter Name	Type	Description
InstanceInfo	InstanceInfo	Instance description information
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 Cluster Description Information

This example shows you how to query the specific information of a cluster based on the cluster ID.

Input Example

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

{
  "InstanceId": "cdwch-12345678"
}
```

Output Example

```
{
  "Response": {
    "InstanceInfo": {
      "InstanceId": "abc",
      "InstanceName": "abc",
      "Status": "abc",
      "Version": "abc",
      "Region": "abc",
      "Zone": "abc",
      "VpcId": "abc",
      "SubnetId": "abc",
      "PayMode": "abc",
      "CreateTime": "abc",
      "ExpireTime": "abc",
      "MasterSummary": {
        "Spec": "abc",
        "NodeSize": 0,
        "Core": 0,
        "Memory": 0,
        "Disk": 0,
        "DiskType": "abc",

```

```
"DiskDesc": "abc",
"AttachCBSSpec": {
  "DiskType": "abc",
  "DiskSize": 0,
  "DiskCount": 0,
  "DiskDesc": "abc"
},
"SubProductType": "abc",
"SpecCore": 0,
"SpecMemory": 0,
"DiskCount": 0,
"Encrypt": 0,
"MaxDiskSize": 0
},
"CoreSummary": {
  "Spec": "abc",
  "NodeSize": 0,
  "Core": 0,
  "Memory": 0,
  "Disk": 0,
  "DiskType": "abc",
  "DiskDesc": "abc",
  "AttachCBSSpec": {
    "DiskType": "abc",
    "DiskSize": 0,
    "DiskCount": 0,
    "DiskDesc": "abc"
  },
  "SubProductType": "abc",
  "SpecCore": 0,
  "SpecMemory": 0,
  "DiskCount": 0,
  "Encrypt": 0,
  "MaxDiskSize": 0
},
"HA": "abc",
"HaType": 0,
"AccessInfo": "abc",
"Id": 0,
"RegionId": 0,
"ZoneDesc": "abc",
"FlowMsg": "abc",
"StatusDesc": "abc",
"RenewFlag": true,
"Tags": [
{
  "TagKey": "abc",
```

```
"TagValue": "abc"
},
{
  "Monitor": "abc",
  "HasClsTopic": true,
  "ClsTopicId": "abc",
  "ClsLogSetId": "abc",
  "EnableXMLConfig": 0,
  "RegionDesc": "abc",
  "Eip": "abc",
  "CosMoveFactor": 0,
  "Kind": "abc",
  "CosBucketName": "abc",
  "CanAttachCbs": true,
  "BuildVersion": "abc",
  "Components": "abc"
},
{
  "RequestId": "abc"
}
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstanceState

Last updated : 2024-08-30 14:34:42

1. API Description

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

This API is used to display cluster status, process progress, etc. in the cluster details page.

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: DescribeInstanceState.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster instance name

3. Output Parameters

Parameter Name	Type	Description
InstanceState	String	Cluster status. Example: Serving

FlowCreateTime	String	Creation time of cluster operation Note: This field may return null, indicating that no valid values can be obtained.
FlowName	String	Cluster operation name Note: This field may return null, indicating that no valid values can be obtained.
FlowProgress	Float	Cluster operation progress Note: This field may return null, indicating that no valid values can be obtained.
InstanceStateDesc	String	Cluster status description. Example: running Note: This field may return null, indicating that no valid values can be obtained.
FlowMsg	String	Cluster process error messages, such as "Creation failed, insufficient resources" 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 Cluster Status

This example shows you it is necessary to display the status of the cluster and the progress of operations.

Input Example

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

{
  "InstanceId": "cdwch-exs8Mnql"
}
```

Output Example

```
{
  "Response": {
    "InstanceState": "Serving",
    "InstanceStateDesc": "Running",
```

```
"FlowCreateTime": "",
"FlowName": "",
"FlowProgress": 0,
"FlowMsg": "Failed to create progress",
"RequestId": "xxxx-xxxx-xxxx-xxxx"
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstances

Last updated : 2024-08-30 14:34:41

1. API Description

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

This API is used to get the list of clusters.

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: DescribeInstances.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
SearchInstanceId	No	String	The name of the cluster ID for the search
SearchInstanceName	No	String	The cluster name for the search
Offset	No	Integer	Pagination parameters. The first page is 0, and the second page is 10.
Limit	No	Integer	Pagination parameters. The pagination step length is 10 by default.

SearchTags.N	No	Array of SearchTags	Search tag list
--------------	----	-------------------------------------	-----------------

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total Number of Instances
InstancesList	Array of InstanceInfo	Quantities of instances array
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 Instance List

This example shows you how to get all cluster list information under a certain user.

Input Example

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

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

Output Example

```
{
  "Response": {
```

```
"TotalCount": 0,
"InstancesList": [
{
  "InstanceId": "abc",
  "InstanceName": "abc",
  "Status": "abc",
  "Version": "abc",
  "Region": "abc",
  "Zone": "abc",
  "VpcId": "abc",
  "SubnetId": "abc",
  "PayMode": "abc",
  "CreateTime": "abc",
  "ExpireTime": "abc",
  "MasterSummary": {
    "Spec": "abc",
    "NodeSize": 0,
    "Core": 0,
    "Memory": 0,
    "Disk": 0,
    "DiskType": "abc",
    "DiskDesc": "abc",
    "AttachCBSSpec": {
      "DiskType": "abc",
      "DiskSize": 0,
      "DiskCount": 0,
      "DiskDesc": "abc"
    },
    "SubProductType": "abc",
    "SpecCore": 0,
    "SpecMemory": 0,
    "DiskCount": 0,
    "Encrypt": 0,
    "MaxDiskSize": 0
  },
  "CoreSummary": {
    "Spec": "abc",
    "NodeSize": 0,
    "Core": 0,
    "Memory": 0,
    "Disk": 0,
    "DiskType": "abc",
    "DiskDesc": "abc",
    "AttachCBSSpec": {
      "DiskType": "abc",
      "DiskSize": 0,
      "DiskCount": 0,
```

```
"DiskDesc": "abc",
},
"SubProductType": "abc",
"SpecCore": 0,
"SpecMemory": 0,
"DiskCount": 0,
"Encrypt": 0,
"MaxDiskSize": 0
},
"HA": "abc",
"HaType": 0,
"AccessInfo": "abc",
"Id": 0,
"RegionId": 0,
"ZoneDesc": "abc",
"FlowMsg": "abc",
"StatusDesc": "abc",
"RenewFlag": true,
"Tags": [
{
"TagKey": "abc",
"TagValue": "abc"
}
],
"Monitor": "abc",
"HasClsTopic": true,
"ClsTopicId": "abc",
"ClsLogSetId": "abc",
"EnableXMLConfig": 0,
"RegionDesc": "abc",
"Eip": "abc",
"CosMoveFactor": 0,
"Kind": "abc",
"CosBucketName": "abc",
"CanAttachCbs": true,
"BuildVersion": "abc",
"Components": "abc"
}
],
"RequestId": "abc"
}
}
```

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
InternalError	Internal error.

DescribeInstanceNodesInfo

Last updated : 2024-08-30 14:34:43

1. API Description

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

This API is used to get the BE/FE node roles.

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: DescribeInstanceNodesInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
BeNodes	Array of	Be node

	String	Note: This field may return null, indicating that no valid values can be obtained.
FeNodes	Array of String	Fe node Note: This field may return null, indicating that no valid values can be obtained.
FeMaster	String	Fe master node
BeNodeInfos	Array of NodeInfo	Be node information Note: This field may return null, indicating that no valid values can be obtained.
FeNodeInfos	Array of NodeInfo	Fe node information 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 Node Information

Input Example

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

{
  "InstanceID": "abc"
}
```

Output Example

```
{
  "Response": {
    "BeNodes": [
      "abc"
    ],
    "FeNodes": [
      "abc"
    ],
    "FeMaster": "abc",
```

```
"RequestId": "abc"
}
```

Example2 Querying Node Roles

This example shows you how to query node roles.

Input Example

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

{
  "InstanceID": "abc"
}
```

Output Example

```
{
  "Response": {
    "BeNodes": [
      "abc"
    ],
    "FeNodes": [
      "abc"
    ],
    "FeMaster": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstanceUsedSubnets

Last updated : 2024-09-12 11:47:47

1. API Description

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

This API is used to obtain the information of subnets used by the cluster.

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: DescribeInstanceUsedSubnets.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
VpcId	String	VPC information used by the cluster

		Note: This field may return null, indicating that no valid values can be obtained.
UsedSubnets	Array of String	Subnet information used by the cluster 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 Obtaining the Information on the Cluster's Used Subnets

Input Example

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

{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "VpcId": "abc",
    "UsedSubnets": [
      "abc"
    ],
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeSqlApis

Last updated : 2024-09-12 11:47:46

1. API Description

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

This API is used to query the cluster information by executing SQL commands.

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: DescribeSqlApis.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
WhiteHost	No	String	The IP address of the user link
Catalog	No	String	catalog name
Catalogs.N	No	Array of String	Catalog collection

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 Query Cluster Information

Query Cluster Information

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstanceNodes

Last updated : 2024-08-30 14:34:44

1. API Description

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

This API is used to get the list of cluster node 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: DescribeInstanceNodes.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster instance ID
NodeRole	No	String	Cluster role type, defaulted as "data node".
Offset	No	Integer	Pagination parameters. The first page is 0, and the second page is 10.
Limit	No	Integer	Pagination parameters. The pagination step length is 10 by default.
DisplayPolicy	No	String	Display policy, and all items are displayed when All is selected.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number
InstanceNodesList	Array of InstanceNode	Total number of instance nodes 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 List of Cluster Node Information

This example shows you how to get a list of cluster node information.

Input Example

```
https://cdwdoris.tencentcloudapi.com/?Action=DescribeInstanceNodes
&InstanceId=cdwch-12345678
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "InstanceNodesList": [
      {
        "Ip": "abc",
        "Spec": "abc",
        "Core": 0,
        "Memory": 0,
        "DiskType": "abc",
        "DiskSize": 0,
        "Role": "abc",
        "Status": "abc",
        "Rip": "abc",
```

```
"FeRole": "abc",
"UUID": "abc"
},
"RequestId": "abc"
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstanceNodesRole

Last updated : 2024-09-12 11:47:48

1. API Description

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

This API is used to obtain cluster node roles.

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: DescribeInstanceNodesRole.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
IpFilter	No	String	Filter IP addresses

3. Output Parameters

Parameter Name	Type	Description

ErrorMsg	String	Error code
TotalCount	Integer	Total number of nodes
NodeInfos	Array of NodeInfos	None
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 DescribeInstanceNodesRole

This example shows you how to view the machine role information.

Input Example

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

{
  "InstanceId": "1",
  "IpFilter": "1"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "1",
    "NodeInfos": [
      {
        "Status": 0,
        "Ip": "1",
        "NodeRole": "1",
        "NodeName": "1"
      }
    ],
    "RequestId": "1",
  }
}
```

```
"totalCount": 0
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Hot-Cold Data Layering APIs

CreateCoolDownPolicy

Last updated : 2024-08-30 14:35:05

1. API Description

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

This API is used to create a hot/cold data layering 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: CreateCoolDownPolicy.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	No	String	Cluster ID
PolicyName	No	String	Policy name
CoolDownTtl	No	String	cooldown_ttl
CoolDownDatetime	No	String	cooldown_datetime

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message 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 Example

Input Example

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

```
{
  "InstanceId": "abc",
  "PolicyName": "abc",
  "CoolDownTtl": "abc",
  "CoolDownDatetime": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyCoolDownPolicy

Last updated : 2024-08-30 14:35:00

1. API Description

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

This API is used to modify the hot/cold data layering 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: ModifyCoolDownPolicy.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	No	String	Cluster ID
PolicyName	No	String	Policy name
CoolDownTtl	No	String	cooldown_ttl
CoolDownDatetime	No	String	cooldown_datetime

3. Output Parameters

--	--	--

Parameter Name	Type	Description
ErrorMsg	String	Error message 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 Example

Input Example

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

```
{
  "InstanceId": "abc",
  "PolicyName": "abc",
  "CoolDownTtl": "abc",
  "CoolDownDatetime": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

OpenCoolDown

Last updated : 2024-08-30 14:34:59

1. API Description

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

This API is used to enable hot/cold data layering.

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: OpenCoolDown.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message 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 Example

Input Example

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

```
{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

OpenCoolDownPolicy

Last updated : 2024-08-30 14:34:57

1. API Description

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

This API is used to enable and describe the cold storage 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: OpenCoolDownPolicy.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	Instance ID
DatabaseName	No	String	DB name
TableName	No	String	Table name
OperationType	No	String	Operation type
BatchOpenCoolDownTables	No	String	Separate with commas. The DB name is required, for example, db1.tb1,db1.tb2,db2.tb1.

PolicyName	No	String	Policy name required for binding
BatchOpenCoolDownPartitions	No	String	Separate with commas, for example, p1,p2,p3.

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message
QueryDocument	String	Returned information
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

Input Example

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

```
{
  "InstanceId": "abc",
  "DatabaseName": "abc",
  "TableName": "abc",
  "OperationType": "abc"
}
```

Output Example


```
{
  "Response": {
    "ErrorMsg": "abc",
    "QueryDocument": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

UpdateCoolDown

Last updated : 2024-08-30 14:34:56

1. API Description

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

This API is used to update the hot/cold data layering information on a cluster.

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: UpdateCoolDown.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	No	String	Cluster ID
Enable	No	Integer	Whether to enable. 0: disable; 1: enable.
Bucket	No	String	Address of the COS bucket where the user stores layered hot and cold data

3. Output Parameters

--	--	--

Parameter Name	Type	Description
ErrorMsg	String	Error message 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 Example

Input Example

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

```
{
  "InstanceId": "abc",
  "Enable": 1,
  "Bucket": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CheckCoolDownWorkingVariableConfigCorrect

Last updated : 2024-08-30 14:35:07

1. API Description

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

This API is used to check whether variables and configurations for hot/cold data layering are correct.

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: CheckCoolDownWorkingVariableConfigCorrect.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

ErrorMsg	String	Error message 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 Example

Input Example

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

```
{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeCoolDownBackends

Last updated : 2024-08-30 14:35:04

1. API Description

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

This API is used to query the list of backend nodes supporting hot/cold data layering.

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: DescribeCoolDownBackends.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	No	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message

		Note: This field may return null, indicating that no valid values can be obtained.
List	Array of CoolDownBackend	Node information 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 Example

Input Example

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

{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "List": [
      {
        "Host": "abc",
        "DataUsedCapacity": "abc",
        "TotalCapacity": "abc",
        "RemoteUsedCapacity": "abc"
      }
    ]
  }
}
```

```
] ,  
  "RequestId": "abc"  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeCoolDownPolicies

Last updated : 2024-08-30 14:35:03

1. API Description

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

This API is used to query the list of hot/cold data layering policies.

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: DescribeCoolDownPolicies.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message

		Note: This field may return null, indicating that no valid values can be obtained.
List	Array of CoolDownPolicyInfo	List of hot/cold data layering policies 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 Example

Input Example

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

```
{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "List": [
      {
        "PolicyName": "abc",
        "CooldownDatetime": "abc",
        "CooldownTtl": "abc"
      }
    ],
    "RequestId": "abc"
  }
}
```

```
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeCoolDownTableData

Last updated : 2024-08-30 14:35:01

1. API Description

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

This API is used to query the layered hot and cold data in a table.

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: DescribeCoolDownTableData.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	Cluster ID
DatabaseName	No	String	Database name

3. Output Parameters

Parameter Name	Type	Description

ErrorMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
List	Array of CoolDownTableDataInfo	List of tables containing layered hot and cold data 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 Example

Input Example

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

```
{
  "InstanceId": "abc",
  "DatabaseName": "abc"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "List": [
      {
        "TableName": "abc",
        "Size": "abc",
        "RemoteSize": "abc"
      }
    ]
  }
}
```

```
] ,  
  "RequestId": "abc"  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Database and Operation Audit APIs

CancelBackupJob

Last updated : 2024-09-12 17:45:16

1. API Description

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

This API is used to cancel the corresponding backup instance 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: CancelBackupJob.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackUpJobId	No	Integer	Backup instance ID to be canceled

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

ErrorMsg	String	Error message 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 test

Input Example

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

{
  "InstanceId": "abc",
  "BackUpJobId": 0
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CreateBackUpSchedule

Last updated : 2024-08-26 18:48:07

1. API Description

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

This API is used to create or modify backup policies.

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: CreateBackUpSchedule.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
ScheduleId	No	Integer	Required to be uploaded when editing
WeekDays	No	String	Selected weeks, separated by commas. Discarded: Use ScheduleInfo.
ExecuteHour	No	Integer	Hour for executing the backup task Discarded: Use ScheduleInfo.
BackUpTables.N	No	Array of BackupTableContent	Backup table list

BackupType	No	Integer	0: default; 1: one-time backup for the remote Doris
DorisSourceInfo	No	DorisSourceInfo	Connection information of the remote doris cluster
BackupTimeType	No	Integer	0: default; 1: one-time backup; 2: remote backup
RestoreType	No	Integer	0: default; 1: immediate recovery after the backup is completed.
AuthType	No	Integer	0: default; 1: connecting to COS using a custom key.
CosSourceInfo	No	CosSourceInfo	Cos certification information

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 Example

Input Example

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

{
  "ScheduleId": 0,
  "WeekDays": "1",
  "BackUpTables": [
    {
      "Table": "1",
      "TotalBytes": 0,
```

```
"Database": "1"  
}  
],  
"ExecuteHour": 0  
}
```

Output Example

```
{  
  "Response": {  
    "RequestId": "1"  
  }  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DeleteBackUpData

Last updated : 2024-08-30 14:34:47

1. API Description

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

This API is used to delete backup data.

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: DeleteBackUpData.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackUpJobId	No	Integer	Task ID
IsDeleteAll	No	Boolean	Whether to delete all instances

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 Example

Input Example

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

```
{
  "InstanceId": "abc",
  "BackUpJobId": 0,
  "IsDeleteAll": true
}
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeBackUpJob

Last updated : 2024-08-26 18:47:57

1. API Description

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

This API is used to query the list of backup instances.

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: DescribeBackUpJob.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
PageSize	No	Integer	Pagination size
PageNum	No	Integer	Page number
BeginTime	No	String	Start time
EndTime	No	String	End time
JobIdFiltersStr	No	String	String type of jobid

3. Output Parameters

Parameter Name	Type	Description
BackUpJobs	Array of BackUpJobDisplay	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 Example

Input Example

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

{
  "InstanceId": "1",
  "PageNum": 0,
  "PageSize": 0
}
```

Output Example

```
{
  "Response": {
    "BackUpJobs": [
      {
        "JobId": 0,
        "Snapshot": "abc",
        "BackUpSize": 0,
        "BackUpTime": "abc",
        "ExpireTime": "abc",

```

```
"JobStatus": "abc",
"BackupType": 0,
"BackupTimeType": 0,
"DorisSourceInfo": {
  "Host": "abc",
  "Port": 0,
  "User": "abc",
  "Password": "abc"
},
"JobStatusNum": 0
},
"RequestId": "abc"
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeBackUpJobDetail

Last updated : 2024-08-26 18:47:56

1. API Description

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

This API is used to query backup task details.

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: DescribeBackUpJobDetail.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackUpJobId	Yes	Integer	Task ID

3. Output Parameters

Parameter Name	Type	Description

TableContents	Array of BackupTableContent	Backup table details 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 Example

Input Example

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

{
  "InstanceId": "xx",
  "BackUpJobId": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "xx",
    "TableContents": [
      {
        "Table": "xx",
        "TotalBytes": 0,
        "Database": "xx"
      }
    ]
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeBackUpTables

Last updated : 2024-08-26 18:47:53

1. API Description

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

This API is used to obtain the information of the table available for backup.

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: DescribeBackUpTables.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackupType	No	Integer	It is 0 by default. It is 1 when a one-time backup of the remote doris is performed. It is 2 when one-time COS recovery is performed.
DorisSourceInfo	No	DorisSourceInfo	Connection information of the remote doris cluster
CosSourceInfo	No	CosSourceInfo	COS information

3. Output Parameters

Parameter Name	Type	Description
AvailableTables	Array of BackupTableContent	List of tables available for backup
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 Example

Input Example

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

{
  "InstanceId": "cdwdoris-123"
}
```

Output Example

```
{
  "Response": {
    "AvailableTables": [
      {
        "Table": "tablename1",
        "TotalBytes": 0,
        "Database": "db1"
      }
    ],
    "RequestId": "request1"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeBackUpTaskDetail

Last updated : 2024-08-26 18:47:52

1. API Description

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

This API is used to query the progress details of backup 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: DescribeBackUpTaskDetail.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackUpJobId	Yes	Integer	Task ID

3. Output Parameters

Parameter Name	Type	Description

BackupStatus	Array of BackupStatus	Progress details of the backup task Note: This field may return null, indicating that no valid values can be obtained.
ErrorMsg	String	Error message 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 Example

Input Example

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

{
  "InstanceId": "xx",
  "BackupJobId": 0
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "xx",
    "BackupStatus": [
      {
        "Status": "xx",
        "FinishedTime": "xx",
        "BackupObjects": "xx",
        "SnapshotName": "xx",
        "TaskErrMsg": "xx",
        "JobId": 0,
        "UnfinishedTasks": "xx",
        "State": "xx",

```

```
"SnapshotFinishedTime": "xx",
"Timeout": 0,
"UploadFinishedTime": "xx",
"Progress": "xx",
"CreateTime": "xx",
"DbName": "xx"
},
"RequestId": "xx"
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeRestoreTaskDetail

Last updated : 2024-08-26 18:47:40

1. API Description

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

This API is used to query the progress details of the recovery 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: DescribeRestoreTaskDetail.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackUpJobId	Yes	Integer	Task ID

3. Output Parameters

Parameter Name	Type	Description

RestoreStatus	Array of RestoreStatus	Progress details of the recovery tasks Note: This field may return null, indicating that no valid values can be obtained.
ErrorMsg	String	Error message 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 Example

Input Example

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

{
  "InstanceId": "xx",
  "BackUpJobId": 0
}
```

Output Example

```
{
  "Response": {
    "RestoreStatus": [
      {
        "Status": "xx",
        "FinishedTime": "xx",
        "MetaPreparedTime": "xx",
        "RestoreObjects": "xx",
        "Timestamp": "xx",
        "ReplicaAllocation": "xx",
        "TaskErrMsg": "xx",
        "JobId": 0,

```

```
"CreateTime": "xx",
"State": "xx",
"SnapshotFinishedTime": "xx",
"Timeout": 0,
"DownloadFinishedTime": "xx",
"UnfinishedTasks": "xx",
"Progress": "xx",
"Label": "xx",
"ReplicationNum": "xx",
"DbName": "xx",
"AllowLoad": true
},
"RequestId": "xx",
"ErrorMsg": "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.

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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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeBackUpSchedules

Last updated : 2024-08-26 18:47:54

1. API Description

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

This API is used to obtain the scheduled task information for the backup and migration.

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: DescribeBackUpSchedules.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.

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 Obtaining Backup and Migration Tasks

Input Example

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

{ }
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

RecoverBackUpJob

Last updated : 2024-08-30 14:35:12

1. API Description

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

This API is used to back up and recover.

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: RecoverBackUpJob.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BackUpJobId	Yes	Integer	Task ID
ReplicationNum	No	Integer	Number of new table replicas recovered
ReserveSourceConfig	No	Integer	Whether to retain the configuration in the source table during recovery. 1 indicates that the configurations in the source table are retained.

RecoverType	No	Integer	0: default; 1: cos recovery
CosSourceInfo	No	CosSourceInfo	CosSourceInfo object
ScheduleType	No	Integer	0: default; 1: regular execution
NextTime	No	String	YY-MM-DD Hour : Minute : Second
ScheduleName	No	String	Scheduling name
OperationType	No	String	create update
RecoverScope	No	String	Recovery granularity: All, Database, and Table
RecoverDatabase	No	String	Recover database: If you back up by database, this field is required. Use commas to separate databases.

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 Example

Input Example

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

{
  "InstanceId": "1",
  "BackUpJobId": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "1"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeInstanceOperations

Last updated : 2024-09-24 22:24:06

1. API Description

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

This API is used to pull operations of the cluster on the cluster details page.

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: DescribeInstanceOperations.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	
Offset	No	Integer	
Limit	No	Integer	
StartTime	No	String	
EndTime	No	String	

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	
Operations	Array of InstanceOperation	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 Obtaining the Cluster Operation List

This example shows you how to obtain the list of cluster operations.

Input Example

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

```
{
  "InstanceId": "cdwch-exs8Mnql"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "xxxx-xxxx-xxxxx-xxxxx",
    "TotalCount": 2,
    "Operations": [
      {
```



```
"Name": "CreateInstance",
"Desc": "Create a cluster",
"Result": "Success",
"Level": "Normal",
"LevelDesc": "General",
"StartTime": "2020-10-22 13:28:53",
"EndTime": "2020-10-22 13:28:53",
"JobId": 123
},
{
  "Name": "ModifyInstance",
  "Desc": "Adjust the cluster's configuration",
  "Result": "Success",
  "Level": "HighRisk",
  "LevelDesc": "High risk",
  "StartTime": "2020-10-22 14:38:53",
  "EndTime": "2020-10-22 14:38:53",
  "JobId": 124
}
]
}
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeDatabaseAuditDownload

Last updated : 2024-09-12 11:47:45

1. API Description

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

This API is used to download database audit 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: DescribeDatabaseAuditDownload.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
StartTime	Yes	String	Start time
EndTime	Yes	String	End time
PageSize	Yes	Integer	Paging
PageNum	Yes	Integer	Paging
OrderType	No	String	Sort parameters

User	No	String	User
DbName	No	String	Database
SqlType	No	String	SQL type
Sql	No	String	SQL statement
Users.N	No	Array of String	Users (multiple selections)
DbNames.N	No	Array of String	Databases (multiple selections)
SqlTypes.N	No	Array of String	SQL types (multiple selections)
Catalogs.N	No	Array of String	Catalog names (multiple selections)

3. Output Parameters

Parameter Name	Type	Description
CosUrl	String	The cos address of the 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 DescribeDatabaseAuditDownload

This example shows you how to download database audit logs.

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDatabaseAuditDownload
```

<Common request parameters>

```
{
  "InstanceId": "abc",
  "StartTime": "abc",
  "EndTime": "abc",
  "PageSize": 0,
  "PageNum": 0,
  "OrderType": "abc",
  "User": "abc",
  "DbName": "abc",
  "SqlType": "abc",
  "Sql": "abc",
  "Users": [
    "abc"
  ],
  "DbNames": [
    "abc"
  ],
  "SqlTypes": [
    "abc"
  ]
}
```

Output Example

```
{
  "Response": {
    "CosUrl": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeDatabaseAuditRecords

Last updated : 2024-09-12 11:47:45

1. API Description

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

This API is used to get database audit records.

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: DescribeDatabaseAuditRecords.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
StartTime	Yes	String	Start time
EndTime	Yes	String	End time
PageSize	Yes	Integer	Paging
PageNum	Yes	Integer	Paging
OrderType	No	String	Sort parameters

User	No	String	User
DbName	No	String	Database
SqlType	No	String	SQL type
Sql	No	String	SQL statement
Users.N	No	Array of String	Users (multiple selections)
DbNames.N	No	Array of String	Databases (multiple selections)
SqlTypes.N	No	Array of String	SQL types (multiple selections)
Catalogs.N	No	Array of String	Catalog names (multiple selections)

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total
SlowQueryRecords	DataBaseAuditRecord	Record 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 DescribeDatabaseAuditRecords

This example shows you how to get database audit records.

Input Example

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



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

```
{
  "InstanceId": "abc",
  "StartTime": "abc",
  "EndTime": "abc",
  "PageSize": 0,
  "PageNum": 0,
  "OrderType": "abc",
  "User": "abc",
  "DbName": "abc",
  "SqlType": "abc",
  "Sql": "abc",
  "Users": [
    "abc"
  ],
  "DbNames": [
    "abc"
  ],
  "SqlTypes": [
    "abc"
  ]
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "SlowQueryRecords": {
      "OsUser": "abc",
      "InitialQueryId": "abc",
      "Sql": "abc",
      "QueryStartTime": "abc",
      "DurationMs": 0,
      "ReadRows": 0,
      "ResultRows": 0,
      "ResultBytes": 1,
      "MemoryUsage": 0,
      "InitialAddress": "abc",
      "DbName": "abc",
      "SqlType": "abc"
    },
    "RequestId": "abc"
  }
}
```

```
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeSlowQueryRecords

Last updated : 2024-09-12 11:47:43

1. API Description

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

This API is used to get the slow log 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: DescribeSlowQueryRecords.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
QueryDurationMs	Yes	Integer	Slow log time
StartTime	Yes	String	Start time
EndTime	Yes	String	End time
PageSize	Yes	Integer	Paging
PageNum	Yes	Integer	Paging
DurationMs	No	String	Sort parameters

DbName.N	No	Array of String	Database name
IsQuery	No	Integer	Whether it is a query. 0 indicates no, and 1 indicates yes.
CatalogName.N	No	Array of String	catalog name
Sql	No	String	SQL name
ReadRows	No	String	ReadRows sort field
ResultBytes	No	String	ResultBytes sort field
MemoryUsage	No	String	MemoryUsage sort field

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total
SlowQueryRecords	Array of SlowQueryRecord	Record list
DBNameList	Array of String	All database names Note: This field may return null, indicating that no valid values can be obtained.
CatalogNameList	Array of String	All catalog names 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 DescribeSlowQueryRecords

This example shows you the slow log.

Input Example

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

{
  "InstanceId": "abc",
  "QueryDurationMs": 0,
  "StartTime": "abc",
  "EndTime": "abc",
  "PageSize": 0,
  "PageNum": 0,
  "DurationMs": "abc"
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "SlowQueryRecords": [
      {
        "OsUser": "abc",
        "InitialQueryId": "abc",
        "Sql": "abc",
        "QueryStartTime": "abc",
        "DurationMs": 0,
        "ReadRows": 0,
        "ResultRows": 0,
        "ResultBytes": 1,
        "MemoryUsage": 0,
        "InitialAddress": "abc"
      }
    ],
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeSlowQueryRecordsDownload

Last updated : 2024-09-12 11:47:43

1. API Description

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

This API is used to download slow log files.

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: DescribeSlowQueryRecordsDownload.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
QueryDurationMs	Yes	Integer	Slow log time
StartTime	Yes	String	Start time
EndTime	Yes	String	End time
DurationMs	No	String	Sort parameters
Sql	No	String	Query SQL
ReadRows	No	String	Sort parameters

ResultBytes	No	String	Sort parameters
MemoryUsage	No	String	Sort parameters
IsQuery	No	Integer	IsQuery condition
DbName.N	No	Array of String	Database name
CatalogName.N	No	Array of String	catalog name

3. Output Parameters

Parameter Name	Type	Description
CosUrl	String	cos address
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 DescribeSlowQueryRecordsDownload

This example shows you how to download slow log files.

Input Example

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

{
  "InstanceId": "abc",
  "QueryDurationMs": 0,
  "StartTime": "abc",
  "EndTime": "abc",
```



```
"DurationMs": "abc"
}
```

Output Example

```
{
  "Response": {
    "CosUrl": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeQueryAnalyse

Last updated : 2024-09-14 11:01:32

1. API Description

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

This API is used to obtain the SQL query details of the Doris user.

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: DescribeQueryAnalyse.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Instance ID
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
StartTime	No	String	Start time of operation period

EndTime	No	String	End time of operation period.
SQLFragment	No	String	SQL fragments (fuzzy query supported)
CatalogFilter	No	String	Catalog filter condition
DatabaseFilter	No	String	Database name filter condition
SQLTypeFilter	No	String	SQL type filter criteria
SortField	No	String	Sorting field
SortOrder	No	String	Sorting order: asc (ascending) or desc (descending)
QueryTime	No	Integer	Minimum query execution time, in milliseconds.
PageNum	No	Integer	Page number, defaults to 1.
PageSize	No	Integer	Number of records per page, defaults to 10.

3. Output Parameters

Parameter Name	Type	Description
QueryDetails	Array of QueryDetails	Query details
TotalCount	Integer	Total number of records
CurrentPage	Integer	Current page
PageSize	Integer	Number of records per page
TotalPages	Integer	Total pages
Message	String	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 Querying

Input Example

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

{
  "InstanceId": "cdwdoris-7da9fumk",
  "QueryTime": 0,
  "StartTime": "2024-08-04 09:53:24",
  "EndTime": "2025-08-28 09:53:24",
  "SQLFragment": "",
  "CatalogFilter": "internal",
  "DatabaseFilter": "__internal_schema",
  "SQLTypeFilter": "-1",
  "SortField": "Duration",
  "SortOrder": "ASC"
}
```

Output Example

```
{
  "Response": {
    "QueryDetails": [
      {
        "Initiator": "abc",
        "SourceAddress": "abc",
        "InitialRequestId": "abc",
        "Catalog": "abc",
        "Database": "abc",
        "SQLType": "abc",
        "SQLStatement": "abc",
        "StartTime": "abc",
        "Duration": 1,
        "RowsRead": 1,
        "DataRead": 0,
        "MemoryUsage": 0
      }
    ],
    "TotalCount": 1,
    "CurrentPage": 1,
  }
}
```

```
"PageSize": 1,  
"TotalPages": 1,  
"RequestId": "abc"  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

User and Permission APIs

ActionAlterUser

Last updated : 2024-08-30 14:34:54

1. API Description

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

This API is used to add and modify a user.

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: ActionAlterUser.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
UserInfo	Yes	UserInfo	User information
ApiType	Yes	String	API type
UserPrivilege	No	Integer	User permission type. 0: ordinary user; 1: administrator.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
ErrorMsg	String	Error message 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 Adding and Modifying a CK Cluster User

Input Example

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

```
{
  "UserInfo": {
    "InstanceId": "abc",
    "UserName": "abc",
    "PassWord": "abc",
    "WhiteHost": "abc",
    "OldWhiteHost": "abc",
    "Describe": "abc",
    "OldPwd": "abc"
  },
  "ApiType": "abc",
  "UserPrivilege": 0
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
```

```
"RequestId": "abc"  
}  
}
```

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
InternalError	Internal error.

ModifyUserPrivilegesV3

Last updated : 2024-09-12 11:53:14

1. API Description

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

This API is used to modify user permissions and support three permission setting categories: catalog, all db, and some db tables.

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: ModifyUserPrivilegesV3.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
UserName	Yes	String	Username
UserPrivileges	Yes	UpdateUserPrivileges	User permission
WhiteHost	No	String	The IP address of the user link

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	Error message; null means no error. Note: This field may return null, indicating that no valid values can be obtained.
InstanceId	String	Cluster 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 Setting Global Catalog Permissions

Input Example

```
POST / HTTP/1.1
Host: cdwdoris.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyUserPrivilegesV3
<Common request parameters>

{
  "InstanceId": "cdwdoris-xx",
  "UserName": "test",
  "UserPrivileges": {
    "IsSetGlobalCatalog": true
  }
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "InstanceId": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeUserPolicy

Last updated : 2024-09-18 14:27:36

1. API Description

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

This API is used to obtain detailed information of Doris users, including account information, permission host, and permission 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: DescribeUserPolicy.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
WhiteHost	No	String	You can specify one IP address or specify a percent sign (%) to indicate no limit.

3. Output Parameters

Parameter Name	Type	Description
AccountInfo	AccountDetailInfo	Account details
Permissions	PermissionHostInfo	Permission configuration information associated with different hosts
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

Input Example

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

{
  "InstanceId": "abc",
  "UserName": "abc",
  "PassWord": "abc",
  "WhiteHost": "abc"
}
```

Output Example

```
{
  "Response": {
    "AccountInfo": {
      "UserName": "abc",
      "Host": "%",
      "UserDescription": ""
    }
  }
}
```

```
},
"Permissions": [
{
"GlobalPermissions": null,
"CatalogPermissions": [
{
"CatalogName": "internal",
"Permissions": [
"SELECT_PRIV",
"LOAD_PRIV",
"ALTER_PRIV",
"CREATE_PRIV",
"DROP_PRIV"
]
}
],
"DatabasePermissions": null,
"TablePermissions": null
},
{
"RequestId": "xxx-xx-xx-xx-xxxx"
}
]
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyDatabaseTableAccess

Last updated : 2024-09-14 11:01:27

1. API Description

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

This API is used to GRANT and REVOKE the database and table in the Doris database.

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: ModifyDatabaseTableAccess.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Database	Yes	String	Database name
Privileges.N	Yes	Array of String	Permission list
GrantOrRevoke	Yes	String	Operation type: GRANT or REVOKE
Instanceld	Yes	String	Instanceld
Table	No	String	Table name. If it is null, it indicates that the entire database is

			authorized.
Role	No	String	Role name, if authorized to the role
UserName	No	String	Use the user who has corresponding permissions for operations. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
PassWord	No	String	Password corresponding to the user. If the TCHouse-D cluster uses a kernel account registered by a CAM user, you do not need to fill it in.
CatalogName	No	String	Catalog name, defaults to internal if not specified.
WhiteHost	No	String	Machine Group, defaults to % if not specified.

3. Output Parameters

Parameter Name	Type	Description
Success	Boolean	Whether the operation is successful
Message	String	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 Authorization

Input Example

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

{
  "InstanceId": "cdwdoris-7da9fumk",
```

```
"Database": "demo1",
"Table": "my_table",
"Privileges": ["SELECT_PRIV", "LOAD_PRIV"],
"GrantOrRevoke": "GRANT",
"CatalogName": "internal"

}
```

Output Example

```
{
  "Response": {
    "Success": true,
    "Message": "Permissions granted successfully.",
    "RequestId": "xxxx-xxxx-xxxx-xxxx"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Resource Group Management APIs

DescribeUserBindWorkloadGroup

Last updated : 2024-08-26 18:48:30

1. API Description

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

This API is used to obtain the resource information bound to each user in the current cluster.

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: DescribeUserBindWorkloadGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	No	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

UserBindInfos	Array of UserWorkloadGroup	Resource group information bound to the user
ErrorMsg	String	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 Obtaining the Resource Information Bound to Each User in the Current Cluster

Input Example

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

{
  "InstanceId": "cdwdoris-xxx"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "abc",
    "UserBindInfos": [
      {
        "UserName": "test",
        "WorkloadGroupName": "g1"
      },
      {
        "UserName": "admin",
        "WorkloadGroupName": "normal"
      }
    ]
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CreateWorkloadGroup

Last updated : 2024-08-26 18:48:36

1. API Description

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

This API is used to create resource 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: CreateWorkloadGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
WorkloadGroup	No	WorkloadGroupConfig	Resource group configuration

3. Output Parameters

--	--	--

Parameter Name	Type	Description
ErrorMsg	String	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 Creating a Resource Group

Input Example

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

{
  "InstanceId": "cdwdoris-xxx",
  "WorkloadGroup": {
    "WorkloadGroupName": "test",
    "CpuShare": 10,
    "MemoryLimit": 20,
    "EnableMemoryOverCommit": true
  }
}
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DeleteWorkloadGroup

Last updated : 2024-08-26 19:12:26

1. API Description

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

This API is used to delete resource 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: DeleteWorkloadGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
WorkloadGroupName	No	String	Resource group name to be deleted

3. Output Parameters

Parameter Name	Type	Description

ErrorMsg	String	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 Deleting the Resource Group

Input Example

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

{
  "InstanceId": "cdwdoris-xxx",
  "WorkloadGroupName": "test"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

DescribeWorkloadGroup

Last updated : 2024-08-26 18:48:27

1. API Description

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

This API is used to obtain resource 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: DescribeWorkloadGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Cluster ID

3. Output Parameters

Parameter Name	Type	Description
WorkloadGroups	Array of	Resource group information

	WorkloadGroupConfig	
Status	String	Whether to enable the resource group: open and close
ErrorMsg	String	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 Obtaining Information of the Resource Group

Input Example

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

{
  "InstanceId": "abc"
}
```

Output Example

```
{
  "Response": {
    "WorkloadGroups": [
      {
        "WorkloadGroupName": "abc",
        "CpuShare": 10,
        "MemoryLimit": 10,
        "EnableMemoryOverCommit": true
      }
    ],
    "Status": "abc",
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyWorkloadGroup

Last updated : 2024-08-26 18:48:16

1. API Description

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

This API is used to modify the resource 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: ModifyWorkloadGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
WorkloadGroup	No	WorkloadGroupConfig	Modified resource group information

3. Output Parameters

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Parameter Name	Type	Description
ErrorMsg	String	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 Modifying the Resource Group Information

Input Example

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

{
  "InstanceId": "abc",
  "WorkloadGroup": {
    "WorkloadGroupName": "abc",
    "CpuShare": 10,
    "MemoryLimit": 10,
    "EnableMemoryOverCommit": true
  }
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyUserBindWorkloadGroup

Last updated : 2024-08-26 18:48:19

1. API Description

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

This API is used to modify the resource group bound to the user.

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: ModifyUserBindWorkloadGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Cluster ID
BindUsers.N	No	Array of BindUser	The user information of the resource group needs to be bound. If an account has information of multiple hosts, all information needs to be uploaded.
OldWorkloadGroupName	No	String	Name of the resource group bound before modification
NewWorkloadGroupName	No	String	Name of the resource group bound after modification

3. Output Parameters

Parameter Name	Type	Description
ErrorMsg	String	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 Modifying the Resource Group Bound to the User

Input Example

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

{
  "InstanceId": "abc",
  "BindUsers": [
    {
      "UserName": "test",
      "Host": "%"
    },
    {
      "UserName": "test",
      "Host": "127.0.0.1"
    }
  ],
  "OldWorkloadGroupName": "abc",
  "NewWorkloadGroupName": "abc1"
}
```

Output Example

```
{
  "Response": {
```

```
"ErrorMsg": "abc",  
"RequestId": "abc"  
}  
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

ModifyWorkloadGroupStatus

Last updated : 2024-08-30 14:34:55

1. API Description

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

This API is used to enable or disable resource 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: ModifyWorkloadGroupStatus.
Version	Yes	String	Common Params . The value used for this API: 2021-12-28.
Region	No	String	Common Params . This parameter is not required for this API.
Instanceld	Yes	String	Cluster ID
OperationType	No	String	Whether to enable resource group: open and close

3. Output Parameters

Parameter Name	Type	Description

ErrorMsg	String	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 Enabling or Disabling the Resource Group

Input Example

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

{
  "InstanceId": "abc",
  "OperationType": "open"
}
```

Output Example

```
{
  "Response": {
    "ErrorMsg": "abc",
    "RequestId": "abc"
  }
}
```

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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

Data Types

Last updated : 2024-09-10 17:31:42

AccountDetailInfo

Account details

Used by actions: DescribeUserPolicy.

Name	Type	Required	Description
UserName	String	No	Username Note: This field may return null, indicating that no valid values can be obtained.
Host	String	No	Host name or IP address, which indicates the host to which the user belongs. Note: This field may return null, indicating that no valid values can be obtained.
UserDescription	String	No	User description information Note: This field may return null, indicating that no valid values can be obtained.

AttachCBSSpec

Specifications of nodes in the cluster and disk specifications description

Used by actions: DescribeInstance, DescribeInstances.

Name	Type	Required	Description
DiskType	String	No	Node disk type, such as CLOUD_SSD""CLOUD_PREMIUM
DiskSize	Integer	No	Disk capacity, in GB
DiskCount	Integer	No	Total number of disks
DiskDesc	String	No	Description

BackUpJobDisplay

Backup instance details

Used by actions: DescribeBackUpJob.

Name	Type	Required	Description
JobId	Integer	No	Backup instance ID
Snapshot	String	No	Backup instance name
BackUpSize	Integer	No	Backup data volume
BackUpSingleSize	Integer	No	Backup single replica data volume Note: This field may return null, indicating that no valid values can be obtained.
BackUpTime	String	No	Instance creation time
ExpireTime	String	No	Instance expiration time
JobStatus	String	No	Instance status
BackupType	Integer	No	0: default; 1: one-time backup for the remote Doris Note: This field may return null, indicating that no valid values can be obtained.
BackupTimeType	Integer	No	0: default; 1: immediate backup; 2: migration Note: This field may return null, indicating that no valid values can be obtained.
DorisSourceInfo	DorisSourceInfo	No	Connection information of the remote Doris Note: This field may return null, indicating that no valid values can be obtained.
JobStatusNum	Integer	No	The value corresponding to the instance status Note: This field may return null, indicating that no valid values can be obtained.
BackupCosInfo	BackupCosInfo	No	Information about cos in the backup instance Note: This field may return null, indicating that no valid values can be obtained.

BackupCosInfo

Information about cos in the backup instance

Used by actions: DescribeBackUpJob.

Name	Type	Required	Description
CosBucket	String	No	The cos bucket where the backup file is located. Note: This field may return null, indicating that no valid values can be obtained.
CosPath	String	No	The full cos path where the backup file is located. Note: This field may return null, indicating that no valid values can be obtained.
SnapShotPath	String	No	Backup file name Note: This field may return null, indicating that no valid values can be obtained.

BackupStatus

Progress details of the backup task

Used by actions: DescribeBackUpTaskDetail.

Name	Type	Description
JobId	Integer	Backup task ID
SnapshotName	String	Snapshot name
DbName	String	Database name
State	String	Status
BackupObjects	String	Backup object
CreateTime	String	Creation time
SnapshotFinishedTime	String	Snapshot end time
UploadFinishedTime	String	Upload end time
FinishedTime	String	End time
UnfinishedTasks	String	Unfinished tasks
Progress	String	Progress

TaskErrMsg	String	Error message
Status	String	Status
Timeout	Integer	Timeout information
BackupJobId	Integer	Backup instance ID Note: This field may return null, indicating that no valid values can be obtained.
TaskId	Integer	The ID of the snapshot corresponding to the instance Note: This field may return null, indicating that no valid values can be obtained.

BackupTableContent

Backup table information

Used by actions: CreateBackUpSchedule, DescribeBackUpJobDetail, DescribeBackUpTables.

Name	Type	Required	Description
Database	String	Yes	Database Note: This field may return null, indicating that no valid values can be obtained.
Table	String	Yes	Table Note: This field may return null, indicating that no valid values can be obtained.
TotalBytes	Integer	Yes	Total number of bytes in the table Note: This field may return null, indicating that no valid values can be obtained.
SingleReplicaBytes	String	No	Size of a single replica Note: This field may return null, indicating that no valid values can be obtained.
BackupStatus	Integer	No	Backup status Note: This field may return null, indicating that no valid values can be obtained.
BackupErrorMsg	String	No	Error message of the backup Note: This field may return null, indicating that no valid values can be obtained.

IsOpenCoolDown	Boolean	No	Whether to bind the cold storage policy to the database and table Note: This field may return null, indicating that no valid values can be obtained.
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BindUser

User information bound to the resource group requires username and host information for authorization.

Used by actions: ModifyUserBindWorkloadGroup.

Name	Type	Required	Description
UserName	String	No	Username Note: This field may return null, indicating that no valid values can be obtained.
Host	String	No	Host information Note: This field may return null, indicating that no valid values can be obtained.

CatalogPermission

Used by actions: DescribeUserPolicy.

Name	Type	Required	Description
CatalogName	String	No	
Permissions	Array of String	No	

ChargeProperties

Cluster billing-related information

Used by actions: CreateInstanceNew.

Name	Type	Required	Description
ChargeType	String	No	Billing type: PREPAID for prepayment, and POSTPAID_BY_HOUR for

			postpayment. Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	No	Whether to automatically renew. 1 means automatic renewal is enabled. Note: This field may return null, indicating that no valid values can be obtained.
TimeSpan	Integer	No	Billing duration Note: This field may return null, indicating that no valid values can be obtained.
TimeUnit	String	No	Billing time unit, and "m" means month, etc. Note: This field may return null, indicating that no valid values can be obtained.

ClusterConfigsHistory

Modification history of the cluster configuration files

Used by actions: DescribeClusterConfigsHistory.

Name	Type	Description
FileName	String	Configuration file's name
NewConfValue	String	Modified configuration file content; base64 code
OldConfValue	String	Configuration file content before modification; base64 code
Remark	String	Reason for modification Note: This field may return null, indicating that no valid values can be obtained.
ModifyTime	String	Modification time
UserUin	String	Modify sub-account ID

ClusterConfigsInfoFromEMR

It is used to return configuration files and content in XML format, as well as other information related to the configuration files.

Used by actions: DescribeClusterConfigs.

Name	Type	Description
FileName	String	Configuration file's name
FileConf	String	Related attribute information corresponding to the configuration files
KeyConf	String	Other attribute information corresponding to the configuration files
OriParam	String	Contents of the configuration files, base64 encoded
NeedRestart	Integer	This is used to indicate whether the current configuration file has been modified without a restart, and reminds the user that a restart is needed.
FilePath	String	Configuration file path Note: This field may return null, indicating that no valid values can be obtained.
FileKeyValuesNew	Array of ConfigKeyValue	kv value of a configuration file Note: This field may return null, indicating that no valid values can be obtained.

Column

Column information of the table

Used by actions: CreateTable, DescribeTable, UpdateTableSchema.

Name	Type	Required	Description
Name	String	Yes	Column name Note: This field may return null, indicating that no valid values can be obtained.
Type	String	Yes	Column type Note: This field may return null, indicating that no valid values can be obtained.
AggType	String	No	Aggregation type: When the table is an aggregation model (AGG_KEY), the column with the aggregation type is set as the metric column, and other columns are dimension columns. Aggregation type: ●SUM: sum; the values of multiple rows are accumulated. ●REPLACE: replacement; the values in the next batch

			of data will replace the values in the previously imported rows. ●MAX: retain the maximum value. ●MIN: retain the minimum value. ●REPLACE_IF_NOT_NULL: non-null values replacement. The difference from REPLACE is that null values are not replaced. ●HLL_UNION: aggregation method for HLL type columns, which is aggregated by HyperLogLog algorithm. ●BITMAP_UNION: aggregation method for BMTAP type columns; bitmap union aggregation. Note: This field may return null, indicating that no valid values can be obtained.
IsNull	Boolean	No	Whether the column value is allowed to be Null Note: This field may return null, indicating that no valid values can be obtained.
IsKey	Boolean	No	Whether it is a Key column. The meaning of different data models: ●DUP_KEY: The column specified afterwards is the sorting column. ●AGG_KEY: The column specified afterwards is the dimension column. ●UNI_KEY: The column specified afterward is the primary key column. Note: This field may return null, indicating that no valid values can be obtained.
DefaultValue	String	No	Column's default value Note: This field may return null, indicating that no valid values can be obtained.
IsPartition	Boolean	No	Whether it is a partition column. The partition column must be a Key column. Note: This field may return null, indicating that no valid values can be obtained.
IsDistribution	Boolean	No	Whether it is a bucket column. The bucket column of the aggregation model and primary key model must be Key columns, while the bucket column of the detail model can be any column. Note: This field may return null, indicating that no valid values can be obtained.
AutoInc	Boolean	No	Whether it is an auto-increment column. Supported by TCHouse-D 2.1 version and later. Limit: 1. Only DUP_KEY and UNI_KEY model tables can contain auto-increment columns.

			2. A table can contain at most one auto-increment column. 3. The type of the auto-increment column must be BIGINT type and cannot be null. Note: This field may return null, indicating that no valid values can be obtained.
Comment	String	No	Column description Note: This field may return null, indicating that no valid values can be obtained.

ConfigKeyValue

Return the configuration file content (key-value)

Used by actions: DescribeClusterConfigs.

Name	Type	Description
KeyName	String	key Note: This field may return null, indicating that no valid values can be obtained.
Value	String	Value Note: This field may return null, indicating that no valid values can be obtained.
Message	String	Notes Note: This field may return null, indicating that no valid values can be obtained.
Display	Integer	1 indicates read-only, 2 indicates editable but undeletable, and 3 indicates deletable. Note: This field may return null, indicating that no valid values can be obtained.
SupportHotUpdate	Integer	0 means not supported, and 1 means hot update is supported. Note: This field may return null, indicating that no valid values can be obtained.

ConfigSubmitContext

Configuration file modification information

Used by actions: ModifyClusterConfigs.

Name	Type	Required	Description
FileName	String	Yes	Configuration file's name
NewConfValue	String	Yes	New Base64-encoded content of the configuration file
OldConfValue	String	No	Original Base64-encoded content of the configuration file
FilePath	String	No	File path

CoolDownBackend

Information on the backend node supporting hot/cold data layering

Used by actions: DescribeCoolDownBackends.

Name	Type	Required	Description
Host	String	No	Field: Host Note: This field may return null, indicating that no valid values can be obtained.
DataUsedCapacity	String	No	Field: DataUsedCapacity Note: This field may return null, indicating that no valid values can be obtained.
TotalCapacity	String	No	Field: TotalCapacity Note: This field may return null, indicating that no valid values can be obtained.
RemoteUsedCapacity	String	No	Field: RemoteUsedCapacity Note: This field may return null, indicating that no valid values can be obtained.

CoolDownPolicyInfo

Hot/cold data layering policy

Used by actions: DescribeCoolDownPolicies.

Name	Type	Required	Description

PolicyName	String	No	Policy name Note: This field may return null, indicating that no valid values can be obtained.
CooldownDatetime	String	No	cooldown_ttl Note: This field may return null, indicating that no valid values can be obtained.
CooldownTtl	String	No	cooldown_datetime Note: This field may return null, indicating that no valid values can be obtained.

CoolDownTableDataInfo

Information on the table containing layered cold and hot data

Used by actions: DescribeCoolDownTableData.

Name	Type	Required	Description
DatabaseName	String	No	Column: DatabaseName Note: This field may return null, indicating that no valid values can be obtained.
TableName	String	No	Column: TableName Note: This field may return null, indicating that no valid values can be obtained.
Size	String	No	Column: Size Note: This field may return null, indicating that no valid values can be obtained.
RemoteSize	String	No	Column: RemoteSize Note: This field may return null, indicating that no valid values can be obtained.

CosSourceInfo

The customer provides cos authentication information.

Used by actions: CreateBackUpSchedule, DescribeBackUpTables, RecoverBackUpJob.

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Name	Type	Required	Description
SecretId	String	No	ID in cos authentication Note: This field may return null, indicating that no valid values can be obtained.
SecretKey	String	No	Key in cos authentication Note: This field may return null, indicating that no valid values can be obtained.
CosPath	String	No	Path in cos authentication Note: This field may return null, indicating that no valid values can be obtained.

CreateInstanceSpec

Cluster specifications

Used by actions: CreateInstanceNew.

Name	Type	Required	Description
SpecName	String	Yes	Specification name
Count	Integer	Yes	Quantities
DiskSize	Integer	Yes	Cloud disk size

CreateTablesDDL

DDL information for creating a table

Used by actions: DescribeCreateTablesDDL.

Name	Type	Required	Description
DbName	String	No	Database name Note: This field may return null, indicating that no valid values can be obtained.
TablesDDLs	Array of TablesDDL	No	DDL information of the table

Note: This field may return null, indicating that no valid values can be obtained.

DataBaseAuditRecord

Database audit

Used by actions: DescribeDatabaseAuditRecords.

Name	Type	Description
OsUser	String	Query user Note: This field may return null, indicating that no valid values can be obtained.
InitialQueryId	String	Query ID Note: This field may return null, indicating that no valid values can be obtained.
Sql	String	SQL statement Note: This field may return null, indicating that no valid values can be obtained.
QueryStartTime	String	Start time Note: This field may return null, indicating that no valid values can be obtained.
DurationMs	Integer	Execution duration Note: This field may return null, indicating that no valid values can be obtained.
ReadRows	Integer	The number of read rows Note: This field may return null, indicating that no valid values can be obtained.
ResultRows	Integer	Total number of read bytes Note: This field may return null, indicating that no valid values can be obtained.
ResultBytes	Integer	Result bytes Note: This field may return null, indicating that no valid values can be obtained.
MemoryUsage	Integer	Memory Note: This field may return null, indicating that no valid values can be obtained.
InitialAddress	String	Initial query IP Note: This field may return null, indicating that no valid values can be obtained.
DbName	String	Database Note: This field may return null, indicating that no valid values can be obtained.
SqlType	String	SQL type Note: This field may return null, indicating that no valid values can be obtained.

Catalog	String	Catalog name Note: This field may return null, indicating that no valid values can be obtained.
---------	--------	--

DatabasePermissions

Database permission

Used by actions: DescribeUserPolicy.

Name	Type	Required	Description
DatabaseName	String	No	Database name Note: This field may return null, indicating that no valid values can be obtained.
Permissions	Array of String	No	Permission name Note: This field may return null, indicating that no valid values can be obtained.

DbInfo

Database information

Used by actions: DescribeDatabase.

Name	Type	Required	Description
DbName	String	No	Database name Note: This field may return null, indicating that no valid values can be obtained.
Properties	Array of Property	No	Database attribute Note: This field may return null, indicating that no valid values can be obtained.
Location	String	No	Metadata address (Available when the data source is Hive or DLC.) Note: This field may return null, indicating that no valid values can be obtained.

DbTablesInfo

Database and table information

Used by actions: DescribeCreateTablesDDL.

Name	Type	Required	Description
DbName	String	Yes	Database name Note: This field may return null, indicating that no valid values can be obtained.
TablesName	Array of String	Yes	The corresponding table list under this database. Note: This field may return null, indicating that no valid values can be obtained.

DiskSpec

Disk specification description

Used by actions: DescribeSpec.

Name	Type	Required	Description
DiskType	String	Yes	Disk type, such as CLOUD_SSD and LOCAL_SSD
DiskDesc	String	Yes	Disk type description, such as cloud SSD and local SSD
MinDiskSize	Integer	Yes	Minimum disk size, in GB
MaxDiskSize	Integer	Yes	Maximum disk size, in GB
DiskCount	Integer	Yes	Number of disks

Distribution

Bucket information of the table

Used by actions: CreateTable, DescribeTable, UpdateTableSchema.

Name	Type	Required	Description
DistributionType	String	Yes	Bucket type:

			●Hash: hash bucket ●Random: random number bucket Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	No	Number of buckets Note: This field may return null, indicating that no valid values can be obtained.

DorisSourceInfo

Connection information of external Doris clusters

Used by actions: CreateBackUpSchedule, DescribeBackUpJob, DescribeBackUpTables.

Name	Type	Required	Description
Host	String	No	The IP address of fe in the Doris cluster Note: This field may return null, indicating that no valid values can be obtained.
Port	Integer	No	The fe port number of the Doris cluster Note: This field may return null, indicating that no valid values can be obtained.
User	String	No	Account of the Doris cluster Note: This field may return null, indicating that no valid values can be obtained.
Password	String	No	Password of the Doris cluster Note: This field may return null, indicating that no valid values can be obtained.

FrontEndRule

Front-end rule description

Used by actions: DescribeAreaRegion.

Name	Type	Description
ID	Integer	ID sequence

		Note: This field may return null, indicating that no valid values can be obtained.
Name	String	Rule name Note: This field may return null, indicating that no valid values can be obtained.
Rule	String	Detailed rules Note: This field may return null, indicating that no valid values can be obtained.

IndexInfo

Index information of the table

Used by actions: CreateTable, DescribeTable, UpdateTableSchema.

Name	Type	Required	Description
IdxName	String	Yes	Index name Note: This field may return null, indicating that no valid values can be obtained.
ColumnName	String	Yes	Column name for creating the index Note: This field may return null, indicating that no valid values can be obtained.
IdxType	String	Yes	Index type: INVERTED: inverted index NGRAM_BF: N-Gram index Note: This field may return null, indicating that no valid values can be obtained.
IdxProperties	Array of Property	No	Index attributes Note: This field may return null, indicating that no valid values can be obtained.
IdxComment	String	No	Index description Note: This field may return null, indicating that no valid values can be obtained.

InstanceConfigItem

KV configuration

Used by actions: ModifyInstanceKeyValConfigs.

Name	Type	Required	Description
ConfKey	String	Yes	key
ConfValue	String	Yes	value

InstanceDetail

Detail field of the Instance table

Used by actions: DescribeInstance, DescribeInstances.

Name	Type	Required	Description
EnableAlarmStrategy	Boolean	No	Whether the alarm policy is available Note: This field may return null, indicating that no valid values can be obtained.

InstanceInfo

Instance description information

Used by actions: DescribeInstance, DescribeInstances.

Name	Type	Description
InstanceId	String	Cluster instance ID, "cdw-xxxx" string type Note: This field may return null, indicating that no valid values can be obtained.
InstanceName	String	Cluster instance name Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Status, Init is being created. Serving is running. Deleted indicates the cluster has been terminated. Deleting indicates the cluster is being terminated. Modify indicates the cluster is being changed. Note: This field may return null, indicating that no valid values can be obtained.

Version	String	Version Note: This field may return null, indicating that no valid values can be obtained.
Region	String	Region, ap-guangzhou Note: This field may return null, indicating that no valid values can be obtained.
Zone	String	Availability zone, ap-guangzhou-3 Note: This field may return null, indicating that no valid values can be obtained.
VpcId	String	VPC name Note: This field may return null, indicating that no valid values can be obtained.
SubnetId	String	Subnet name Note: This field may return null, indicating that no valid values can be obtained.
PayMode	String	Payment type: hour and prepay 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.
ExpireTime	String	Expiration time Note: This field may return null, indicating that no valid values can be obtained.
MasterSummary	NodesSummary	Data node description information Note: This field may return null, indicating that no valid values can be obtained.
CoreSummary	NodesSummary	Zookeeper node description information Note: This field may return null, indicating that no valid values can be obtained.
HA	String	High availability, being true or false Note: This field may return null, indicating that no valid values can be obtained.
HaType	Integer	High availability type: 0: non-high availability 1: read high availability

		2: read-write high availability Note: This field may return null, indicating that no valid values can be obtained.
AccessInfo	String	Access address. Example: 10.0.0.1:9000 Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	Record ID, in numerical type Note: This field may return null, indicating that no valid values can be obtained.
RegionId	Integer	Region ID, indicating the region Note: This field may return null, indicating that no valid values can be obtained.
ZoneDesc	String	Note about availability zone, such as Guangzhou Zone 2 Note: This field may return null, indicating that no valid values can be obtained.
FlowMsg	String	Error process description information Note: This field may return null, indicating that no valid values can be obtained.
StatusDesc	String	Status description, such as "running" Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Boolean	Automatic renewal marker Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Tag list Note: This field may return null, indicating that no valid values can be obtained.
Monitor	String	Monitoring Information Note: This field may return null, indicating that no valid values can be obtained.
HasClsTopic	Boolean	Whether to enable logs. Note: This field may return null, indicating that no valid values can be obtained.
ClsTopicId	String	Log Topic ID Note: This field may return null, indicating that no valid values can be obtained.

ClsLogSetId	String	Logset ID Note: This field may return null, indicating that no valid values can be obtained.
EnableXMLConfig	Integer	Whether to support XML configuration management. Note: This field may return null, indicating that no valid values can be obtained.
RegionDesc	String	Region Note: This field may return null, indicating that no valid values can be obtained.
Eip	String	Elastic network interface address Note: This field may return null, indicating that no valid values can be obtained.
CosMoveFactor	Integer	Cold and hot stratification coefficient Note: This field may return null, indicating that no valid values can be obtained.
Kind	String	external/local/yunti Note: This field may return null, indicating that no valid values can be obtained.
CosBucketName	String	COS bucket Note: This field may return null, indicating that no valid values can be obtained.
CanAttachCbs	Boolean	cbs Note: This field may return null, indicating that no valid values can be obtained.
BuildVersion	String	Minor versions Note: This field may return null, indicating that no valid values can be obtained.
Components	String	Component Information Note: The return type here is map[string]struct, not the string type displayed. You can refer to "Sample Value" to parse the data. Note: This field may return null, indicating that no valid values can be obtained.
Characteristic	Array of String	Page features, used to block some page entrances on the front end. Note: This field may return null, indicating that no valid values can be obtained.

RestartTimeout	String	Timeout period, in seconds Note: This field may return null, indicating that no valid values can be obtained.
GraceShutdownWaitSeconds	String	The timeout time for the graceful restart of the kernel. If it is -1, it means it is not set. Note: This field may return null, indicating that no valid values can be obtained.
CaseSensitive	Integer	Whether the table name is case sensitive, 0 refers to sensitive, 1 refers to insensitive, compared in lowercase; 2 refers to insensitive, and the table name is changed to lowercase for storage. Note: This field may return null, indicating that no valid values can be obtained.
IsWhiteSGs	Boolean	Whether users can bind security groups. Note: This field may return null, indicating that no valid values can be obtained.
BindSGs	Array of String	Bound security group information Note: This field may return null, indicating that no valid values can be obtained.
EnableMultiZones	Boolean	Whether it is a multi-AZ. Note: This field may return null, indicating that no valid values can be obtained.
UserNetworkInfos	String	User availability zone and subnet information Note: This field may return null, indicating that no valid values can be obtained.
EnableCoolDown	Integer	Whether to enable hot and cold stratification. 0 refers to disabled, and 1 refers to enabled. Note: This field may return null, indicating that no valid values can be obtained.
CoolDownBucket	String	COS buckets are used for hot and cold stratification Note: This field may return null, indicating that no valid values can be obtained.
Details	InstanceDetail	Instance extension information Note: This field may return null, indicating that no valid values can be obtained.
EnableDlc	Integer	Whether to enable DLC. 0: disable; 1: enable. Note: This field may return null, indicating that no valid

		values can be obtained.
AccountType	Integer	Account type. 0: ordinary user; 1: CAM user. Note: This field may return null, indicating that no valid values can be obtained.

InstanceNode

Instance node description information

Used by actions: DescribeInstanceNodes.

Name	Type	Description
Ip	String	IP address
Spec	String	Model, such as S1
Core	Integer	Number of CPU cores
Memory	Integer	Memory size
DiskType	String	Disk type
DiskSize	Integer	Disk size
Role	String	The name of the clickhouse cluster to which it belongs.
Status	String	Status Note: This field may return null, indicating that no valid values can be obtained.
Rip	String	rip Note: This field may return null, indicating that no valid values can be obtained.
FeRole	String	FE node role Note: This field may return null, indicating that no valid values can be obtained.
UUID	String	UUID Note: This field may return null, indicating that no valid values can be obtained.

InstanceOperation

Cluster operation description

Used by actions: DescribeInstanceOperationHistory, DescribeInstanceOperations.

Name	Type	Description
Name	String	Operation name, such as create_instance, and scaleout_instance
Result	String	Operation result. Success indicates success; Fail indicates failure.
Desc	String	Operation name description, such as create, and modify the cluster name
Level	String	Operation level, such as Critical, Normal
LevelDesc	String	Operation level description, such as high risk, and normal
StartTime	String	Operation start time
EndTime	String	Operation end time
ResultDesc	String	Operation result description, such as Success and Fail.
OperateUin	String	Operation user ID
JobId	Integer	The jobid corresponding to the operation
OperationDetail	String	Operation details

ListInfo

List type partition information

Used by actions: CreateTable, DescribeTable.

Name	Type	Required	Description
PartitionName	String	No	Partition name Note: This field may return null, indicating that no valid values can be obtained.
EnumValues	Array of String	No	Enumeration values of each partition column Note: This field may return null, indicating that no valid values can be obtained.

NetworkInfo

Network information

Used by actions: CreateInstanceNew.

Name	Type	Required	Description
Zone	String	No	Availability zone Note: This field may return null, indicating that no valid values can be obtained.
SubnetId	String	No	Subnet ID Note: This field may return null, indicating that no valid values can be obtained.
SubnetIpNum	Integer	No	The number of available IP addresses in the current subnet Note: This field may return null, indicating that no valid values can be obtained.

NodeInfo

NodeInfo

Used by actions: DescribeInstanceNodesInfo.

Name	Type	Description
Ip	String	User IP Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	Node status Note: This field may return null, indicating that no valid values can be obtained.
NodeName	String	Node role name Note: This field may return null, indicating that no valid values can be obtained.
ComponentName	String	Component name Note: This field may return null, indicating that no valid values can be obtained.
NodeRole	String	Node role Note: This field may return null, indicating that no valid values can be obtained.
LastRestartTime	String	The time when the node was last restarted Note: This field may return null, indicating that no valid values can be obtained.

Zone	String	The availability zone where the node is located Note: This field may return null, indicating that no valid values can be obtained.
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NodeInfos

Node information list

Used by actions: DescribeInstanceNodesRole, ModifyNodeStatus.

Name	Type	Required	Description
NodeName	String	No	Node name
Status	Integer	No	Node status
Ip	String	No	Node IP
NodeRole	String	No	Node role
ComponentName	String	No	Component name
LastRestartTime	String	No	Last restart time

NodesSummary

Node role description information

Used by actions: DescribeInstance, DescribeInstances.

Name	Type	Description
Spec	String	Model, such as S1
NodeSize	Integer	Number of nodes
Core	Integer	Number of CPU cores, in counts
Memory	Integer	Memory size, in GB
Disk	Integer	Disk size, in GB
DiskType	String	Disk type
DiskDesc	String	Disk description

AttachCBSSpec	AttachCBSSpec	Information of mounted cloud disks Note: This field may return null, indicating that no valid values can be obtained.
SubProductType	String	Sub-product name Note: This field may return null, indicating that no valid values can be obtained.
SpecCore	Integer	Specified cores Note: This field may return null, indicating that no valid values can be obtained.
SpecMemory	Integer	Specified memory Note: This field may return null, indicating that no valid values can be obtained.
DiskCount	Integer	Disk size Note: This field may return null, indicating that no valid values can be obtained.
Encrypt	Integer	Whether it is encrypted. Note: This field may return null, indicating that no valid values can be obtained.
MaxDiskSize	Integer	Maximum disk Note: This field may return null, indicating that no valid values can be obtained.

Partition

Partition information of the table

Used by actions: CreateTable, DescribeTable.

Name	Type	Required	Description
PartitionType	String	Yes	Partition type: ●Range: The partition column is usually of time or integer type. Four writing methods are supported. ●List: The partition value is an enumeration value. Note: This field may return null, indicating that no valid values can be obtained.
AutoPartition	Boolean	No	Whether to automatically partition

			Note: This field may return null, indicating that no valid values can be obtained.
RangeInfos	Array of RangeInfo	No	Partition information when the partition type is Range Note: This field may return null, indicating that no valid values can be obtained.
ListInfos	Array of ListInfo	No	Partition information when the partition type is List Note: This field may return null, indicating that no valid values can be obtained.

PermissionHostInfo

Permission overview

Used by actions: DescribeUserPolicy.

Name	Type	Required	Description
GlobalPermissions	Array of String	No	A list of user permissions in the global scope, which can be applied to all databases and tables. Note: This field may return null, indicating that no valid values can be obtained.
DatabasePermissions	Array of DatabasePermissions	No	The key is the database name, and the value is the permission list of the user on the database. Note: This field may return null, indicating that no valid values can be obtained.
TablePermissions	Array of TablePermissions	No	The key is the full name of the table, and the value is the permission list of the user on the table. Note: This field may return null, indicating that no valid values can be obtained.
CatalogPermissions	Array of CatalogPermission	No	The key is the full name of the catalog, and the value is the permission list of the user on the catalog.

Note: This field may return null, indicating that no valid values can be obtained.

PropertiesMap

Property attribute

Used by actions: ExecuteParametrizedQuery, UpdateDatabase.

Name	Type	Required	Description
PropertyKey	String	No	key Note: This field may return null, indicating that no valid values can be obtained.
PropertyValue	String	No	value Note: This field may return null, indicating that no valid values can be obtained.

Property

Attribute information of databases, tables, indexes, etc.

Used by actions: CreateDatabase, CreateTable, DescribeDatabase, DescribeTable, UpdateTableSchema.

Name	Type	Required	Description
PropertyKey	String	Yes	Attribute key Note: This field may return null, indicating that no valid values can be obtained.
PropertyValue	String	Yes	Attribute value Note: This field may return null, indicating that no valid values can be obtained.

QueryDetails

Query and analyze details

Used by actions: DescribeQueryAnalyse.

Name	Type	Required	Description
Initiator	String	No	Initiating User Note: This field may return null, indicating that no valid values can be obtained.
SourceAddress	String	No	Access source address Note: This field may return null, indicating that no valid values can be obtained.
InitialRequestId	String	No	Initial request ID Note: This field may return null, indicating that no valid values can be obtained.
Catalog	String	No	catalog name Note: This field may return null, indicating that no valid values can be obtained.
Database	String	No	Database name Note: This field may return null, indicating that no valid values can be obtained.
SQLType	String	No	SQL Type: 0 is non-query, 1 is query, -1 is unrestricted. Note: This field may return null, indicating that no valid values can be obtained.
SQLStatement	String	No	SQL statement Note: This field may return null, indicating that no valid values can be obtained.
StartTime	String	No	Execution start time Note: This field may return null, indicating that no valid values can be obtained.
Duration	Integer	No	Runtime (s) Note: This field may return null, indicating that no valid values can be obtained.
RowsRead	Integer	No	The number of read rows Note: This field may return null, indicating that no valid values can be obtained.
DataRead	Float	No	Read data volume (MB) Note: This field may return null, indicating that no valid values can be obtained.

MemoryUsage	Float	No	Memory usage (MB) Note: This field may return null, indicating that no valid values can be obtained.
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RangeInfo

Information of Range type partition

Used by actions: CreateTable, DescribeTable.

Name	Type	Required	Description
RangeType	String	No	Range partition type: ●FIXED: Define the left closed and right open interval of the partition. ●LESS THAN: Only define the upper bound of the partition. ●BATCH RANGE: Batch create RANGE partitions of numeric and time types, define the left closed and right open intervals of the partitions, and set the step size. Note: This field may return null, indicating that no valid values can be obtained.
PartitionName	String	No	Partition name Note: This field may return null, indicating that no valid values can be obtained.
Left	String	No	The left-closed interval of each partition column when RangeType is FIXED or BATCH RANGE Note: This field may return null, indicating that no valid values can be obtained.
Right	String	No	The right open interval of each partition column when RangeType is FIXED or BATCH RANGE Note: This field may return null, indicating that no valid values can be obtained.
Max	String	No	The upper bound of each partition column when RangeType is LESS THAN Note: This field may return null, indicating that no valid values can be obtained.
StepLength	Integer	No	RangeType is the step size of BATCH RANGE

			Note: This field may return null, indicating that no valid values can be obtained.
Unit	String	No	Fill it in when RangeType is BATCH RANGE or automatic partitioning. It indicates the step size unit when the partition column is of time type. ●YEAR: year ●MONTH: month ●WEEK: week ●DAY: day Note: This field may return null, indicating that no valid values can be obtained.

RegionAreaInfo

Description of the region categories for availability zones

Used by actions: DescribeAreaRegion.

Name	Type	Description
Name	String	Region category information, such as south_china, east_china, etc.
Desc	String	Description of the corresponding Name, such as South China, East China, etc.
Regions	Array of RegionInfo	Specific region list 1

RegionInfo

Region description information

Used by actions: DescribeAreaRegion.

Name	Type	Description
Name	String	Region name, such as ap-guangzhou
Desc	String	Region description, such as Guangzhou

RegionId	Integer	Unique marker of region
Zones	Array of ZoneInfo	List of all availability zones in the region Note: This field may return null, indicating that no valid values can be obtained.
Count	Integer	Number of clusters in the region
IsInternationalSite	Integer	0 indicates the international site; 1 indicates not. Note: This field may return null, indicating that no valid values can be obtained.
Bucket	String	Bucket Note: This field may return null, indicating that no valid values can be obtained.

ResourceSpec

Resource specification description information

Used by actions: DescribeSpec.

Name	Type	Description
Name	String	Specification name, such as SCH1
Cpu	Integer	Number of CPU cores
Mem	Integer	Memory size, in GB
Type	String	Classification markers, STANDARD/BIGDATA/HIGHIO respectively represent standard type/big data type/high IO.
SystemDisk	DiskSpec	System disk description information Note: This field may return null, indicating that no valid values can be obtained.
DataDisk	DiskSpec	Data disk description information Note: This field may return null, indicating that no valid values can be obtained.
MaxNodeSize	Integer	Limit of the maximum number of nodes Note: This field may return null, indicating that no valid values can be obtained.
Available	Boolean	Whether it is available. False indicates sell-out.

		Note: This field may return null, indicating that no valid values can be obtained.
ComputeSpecDesc	String	Specification description information Note: This field may return null, indicating that no valid values can be obtained.
InstanceQuota	Integer	CVM inventory Note: This field may return null, indicating that no valid values can be obtained.

RestoreStatus

Recover the task information

Used by actions: DescribeRestoreTaskDetail.

Name	Type	Description
JobId	Integer	Recover the task ID
Label	String	Recover the task tag
Timestamp	String	Recover the task timestamp
DbName	String	Recover the database where the task is located
State	String	Recover the task status
AllowLoad	Boolean	Whether to allow import during recovery
ReplicationNum	String	Number of replicas
ReplicaAllocation	String	Number of replicas
RestoreObjects	String	Recover object
CreateTime	String	Creation time
MetaPreparedTime	String	Metadata preparation time
SnapshotFinishedTime	String	Snapshot end time
DownloadFinishedTime	String	Download end time
FinishedTime	String	End time

UnfinishedTasks	String	Unfinished tasks
Progress	String	Progress
TaskErrMsg	String	Error message
Status	String	Status
Timeout	Integer	Operation timeout period
ReserveReplica	Boolean	Whether to maintain the number of replicas in the source table
ReserveDynamicPartitionEnable	Boolean	Whether to maintain dynamic partitions in the source table
BackupJobId	Integer	Backup instance ID Note: This field may return null, indicating that no valid values can be obtained.
TaskId	Integer	ID of the snapshot corresponding to the instance Note: This field may return null, indicating that no valid values can be obtained.

Rows

Multiple rows of data

Used by actions: ExecuteParametrizedQuery, ExecuteSelectQuery, InsertDataToTable, QueryTableData.

Name	Type	Required	Description
DataRow	Array of String	No	A row of data Note: This field may return null, indicating that no valid values can be obtained.

SearchTags

The searched marker list on the list page

Used by actions: DescribeInstances.

Name	Type	Required	Description
TagKey	String	No	Tag key

TagValue	String	No	Tag value
AllValue	Integer	No	1 means only the tag key is entered without a value, and 0 means both the key and the value are entered.

SlowQueryRecord

Slow log records

Used by actions: DescribeSlowQueryRecords.

Name	Type	Description
OsUser	String	User query
InitialQueryId	String	ID query
Sql	String	SQL statement
QueryStartTime	String	Start time
DurationMs	Integer	Execution duration
ReadRows	Integer	The number of read rows
ResultRows	Integer	Total number of read bytes
ResultBytes	Integer	Result bytes
MemoryUsage	Integer	Memory
InitialAddress	String	Initial query IP
DbName	String	Database name Note: This field may return null, indicating that no valid values can be obtained.
IsQuery	Integer	Whether it is a query. 0 indicates no, and 1 indicates query statement. Note: This field may return null, indicating that no valid values can be obtained.
ResultBytesMB	Float	MB format of ResultBytes Note: This field may return null, indicating that no valid values can be obtained.
MemoryUsageMB	Float	MemoryUsage, in MB Note: This field may return null, indicating that no valid values can be obtained.
DurationSec	Float	DurationMs, in seconds Note: This field may return null, indicating that no valid values can be obtained.

TablePermissions

Table-level permissions

Used by actions: DescribeUserPolicy.

Name	Type	Required	Description
TableName	String	No	Full name of the table Note: This field may return null, indicating that no valid values can be obtained.
Permissions	Array of String	No	Table permission Note: This field may return null, indicating that no valid values can be obtained.

TablesDDL

DDL information of the table

Used by actions: DescribeCreateTablesDDL.

Name	Type	Required	Description
TableName	String	No	Table name Note: This field may return null, indicating that no valid values can be obtained.
DDLInfo	String	No	DDL statement for creating a table Note: This field may return null, indicating that no valid values can be obtained.

Tag

Tag description

Used by actions: CreateInstanceNew, DescribeInstance, DescribeInstances.

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Name	Type	Required	Description
TagKey	String	Yes	Tag key
TagValue	String	Yes	Tag value

UpdateUserPrivileges

Update user permission structure

Used by actions: ModifyUserPrivilegesV3.

Name	Type	Required	Description
IsSetGlobalCatalog	Boolean	No	Whether to set catalog permission

UserInfo

Add or modify the user

Used by actions: ActionAlterUser.

Name	Type	Required	Description
InstanceId	String	Yes	Cluster instance ID.
UserName	String	Yes	Username
PassWord	String	Yes	Password
WhiteHost	String	No	The IP address of the user link
OldWhiteHost	String	No	IP address of the user link before modification
Describe	String	No	Description
OldPwd	String	No	Original password
CamUin	String	No	UIN of the bound sub-user
CamRangerGroupIds	Array of Integer	No	Ranger group id list

UserWorkloadGroup

Resource group information bound to the user

Used by actions: DescribeUserBindWorkloadGroup.

Name	Type	Required	Description
UserName	String	No	test Note: This field may return null, indicating that no valid values can be obtained.
WorkloadGroupName	String	No	normal Note: This field may return null, indicating that no valid values can be obtained.

WorkloadGroupConfig

Resource group configuration

Used by actions: CreateWorkloadGroup, DescribeWorkloadGroup, ModifyWorkloadGroup.

Name	Type	Required	Description
WorkloadGroupName	String	No	Resource group name Note: This field may return null, indicating that no valid values can be obtained.
CpuShare	Integer	No	CPU weight Note: This field may return null, indicating that no valid values can be obtained.
MemoryLimit	Integer	No	Memory limit. The sum of memory limit values of all resource groups should be less than or equal to 100. Note: This field may return null, indicating that no valid values can be obtained.
EnableMemoryOverCommit	Boolean	No	Whether to allow over-allocation Note: This field may return null, indicating that no valid values can be obtained.
CpuHardLimit	String	No	CPU hard limit Note: This field may return null, indicating that no valid values can be obtained.

ZoneInfo

Availability zone description

Used by actions: DescribeAreaRegion.

Name	Type	Description
Name	String	Availability zone name, such as ap-guangzhou-1
Desc	String	Availability zone description, such as Guangzhou region 1
Zoneld	Integer	Unique tag of the availability zone
Encrypt	Integer	Encryptid Note: This field may return null, indicating that no valid values can be obtained.

Error Codes

Last updated : 2024-07-16 14:12:50

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 signature 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

	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

	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.