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Welcome to Tencent Cloud Database MySQL. You can call the APIs discussed in this document to work with MySQL databases. Before the use of these APIs, make sure you have a thorough understanding of the product as well as its usage and billing methods.

In case of any conflict between the value or available range of any parameter provided in the "API Description" of this document and that provided on the Tencent Cloud official website, the latter shall prevail.
## Account APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateAccounts</td>
<td>Creates TencentDB accounts</td>
</tr>
<tr>
<td>DeleteAccounts</td>
<td>Deletes TencentDB accounts</td>
</tr>
<tr>
<td>DescribeAccountPrivileges</td>
<td>Queries the information of TencentDB account permissions</td>
</tr>
<tr>
<td>DescribeAccounts</td>
<td>Queries the information of all TencentDB accounts</td>
</tr>
<tr>
<td>DescribeSupportedPrivileges</td>
<td>Queries the information of TencentDB instance permissions</td>
</tr>
<tr>
<td>ModifyAccountDescription</td>
<td>Modifies the remarks of a TencentDB instance account</td>
</tr>
<tr>
<td>ModifyAccountPassword</td>
<td>Modifies the password of a TencentDB instance account</td>
</tr>
<tr>
<td>ModifyAccountPrivileges</td>
<td>Modifies the permissions of a TencentDB instance account</td>
</tr>
</tbody>
</table>

## Backup APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateBackup</td>
<td>Creates a TencentDB instance backup</td>
</tr>
<tr>
<td>DeleteBackup</td>
<td>Deletes a TencentDB instance backup</td>
</tr>
<tr>
<td>DescribeBackupConfig</td>
<td>Queries the configuration information of a TencentDB instance backup</td>
</tr>
<tr>
<td>DescribeBackupDatabases</td>
<td>Queries the list of backup databases</td>
</tr>
<tr>
<td>DescribeBackupOverview</td>
<td>Queries backup overview</td>
</tr>
<tr>
<td>DescribeBackupSummaries</td>
<td>Queries real-time backup statistics</td>
</tr>
<tr>
<td>DescribeBackupTables</td>
<td>Queries the backup data tables of the specified database</td>
</tr>
<tr>
<td>DescribeBackups</td>
<td>Queries data backup file list</td>
</tr>
<tr>
<td>DescribeBinlogBackupOverview</td>
<td>Queries log backup overview</td>
</tr>
<tr>
<td>DescribeBinlogs</td>
<td>Queries binlog backup file list</td>
</tr>
<tr>
<td>DescribeDataBackupOverview</td>
<td>Queries data backup overview</td>
</tr>
<tr>
<td>DescribeSlowLogs</td>
<td>Queries slow logs</td>
</tr>
<tr>
<td>ModifyBackupConfig</td>
<td>Modifies the database backup configuration</td>
</tr>
</tbody>
</table>

## Data Import APIs
## API Name | Feature
---|---
CreateDBImportJob | Creates a data import task
DescribeDBImportRecords | Queries import task records
DescribeUploadedFiles | Queries SQL file list
StopDBImportJob | Stops a data import task

### Database APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>DescribeDatabases</td>
<td>Queries databases</td>
</tr>
<tr>
<td>DescribeTables</td>
<td>Queries database tables</td>
</tr>
</tbody>
</table>

### Instance APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>AddTimeWindow</td>
<td>Adds a maintenance time window</td>
</tr>
<tr>
<td>BalanceRoGroupLoad</td>
<td>Rebalances the loads of instances in RO group</td>
</tr>
<tr>
<td>CloseWanService</td>
<td>Disables public network access for an instance</td>
</tr>
<tr>
<td>CreateDBInstanceHour</td>
<td>Creates pay-as-you-go TencentDB instance</td>
</tr>
<tr>
<td>CreateDeployGroup</td>
<td>Creates a placement group</td>
</tr>
<tr>
<td>DeleteDeployGroups</td>
<td>Deletes placement groups</td>
</tr>
<tr>
<td>DeleteTimeWindow</td>
<td>Deletes a maintenance time window</td>
</tr>
<tr>
<td>DescribeDBInstanceCharset</td>
<td>Queries the character set of a TencentDB instance</td>
</tr>
<tr>
<td>DescribeDBInstanceConfig</td>
<td>Queries the configuration information of a TencentDB instance</td>
</tr>
<tr>
<td>DescribeDBInstanceGTID</td>
<td>Queries whether GTID is activated for a TencentDB instance</td>
</tr>
<tr>
<td>DescribeDBInstanceInfo</td>
<td>Queries the basic information of instance</td>
</tr>
<tr>
<td>DescribeDBInstanceRebootTime</td>
<td>Queries the estimated restart time of a TencentDB instance</td>
</tr>
<tr>
<td>DescribeDBInstances</td>
<td>Queries the list of instances</td>
</tr>
<tr>
<td>DescribeDBSwitchRecords</td>
<td>Queries the instance switch records</td>
</tr>
<tr>
<td>DescribeDBZoneConfig</td>
<td>Queries the specifications of purchasable TencentDB instances</td>
</tr>
<tr>
<td>DescribeDeployGroupList</td>
<td>Queries the list of placement groups</td>
</tr>
<tr>
<td>DescribeRoGroups</td>
<td>Queries the information of all RO groups of TencentDB instance</td>
</tr>
<tr>
<td>DescribeTagsOfInstanceIds</td>
<td>Queries instance tags</td>
</tr>
<tr>
<td>DescribeTimeWindow</td>
<td>Queries a maintenance time window</td>
</tr>
<tr>
<td>API Name</td>
<td>Feature</td>
</tr>
<tr>
<td>------------------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>InitDBInstances</td>
<td>Initializes new instances</td>
</tr>
<tr>
<td>IsolateDBInstance</td>
<td>Isolates a TencentDB instance</td>
</tr>
<tr>
<td>ModifyAutoRenewFlag</td>
<td>Modifies the auto-renewal flag of a TencentDB instance</td>
</tr>
<tr>
<td>ModifyDBInstanceName</td>
<td>Renames a TencentDB instance</td>
</tr>
<tr>
<td>ModifyDBInstanceProject</td>
<td>Modifies the project to which a TencentDB instance belongs</td>
</tr>
<tr>
<td>ModifyDBInstanceVipVport</td>
<td>Modifies the IP and port number of a TencentDB instance</td>
</tr>
<tr>
<td>ModifyInstanceTag</td>
<td>Modifies an instance tag</td>
</tr>
<tr>
<td>ModifyNameOrDescByDpId</td>
<td>Modifies the name or description of a placement group</td>
</tr>
<tr>
<td>ModifyRoGroupInfo</td>
<td>Updates RO instance group</td>
</tr>
<tr>
<td>ModifyTimeWindow</td>
<td>Updates a maintenance time window</td>
</tr>
<tr>
<td>OfflineIsolatedInstances</td>
<td>Deactivates isolated TencentDB instances</td>
</tr>
<tr>
<td>OpenDBInstanceGTID</td>
<td>Enables GTID for an instance</td>
</tr>
<tr>
<td>OpenWanService</td>
<td>Enables public network access for an instance</td>
</tr>
<tr>
<td>ReleaseIsolatedDBInstances</td>
<td>Deisolates TencentDB instance</td>
</tr>
<tr>
<td>RestartDBInstances</td>
<td>Restarts instances</td>
</tr>
<tr>
<td>SwitchForUpgrade</td>
<td>Switches to a new instance</td>
</tr>
<tr>
<td>UpgradeDBInstance</td>
<td>Modifies the configurations of TencentDB instance</td>
</tr>
<tr>
<td>UpgradeDBInstanceEngineVersion</td>
<td>Upgrades the version of an instance</td>
</tr>
</tbody>
</table>

**Log APIs**

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>DescribeErrorLogData</td>
<td>Queries instance error log details</td>
</tr>
<tr>
<td>DescribeSlowLogData</td>
<td>Queries instance slow logs</td>
</tr>
</tbody>
</table>

**Monitoring APIs**

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>DescribeDeviceMonitorInfo</td>
<td>Queries the monitoring information of a physical machine</td>
</tr>
</tbody>
</table>

**Parameter APIs**
<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>CreateParamTemplate</td>
<td>Creates a parameter template</td>
</tr>
<tr>
<td>DeleteParamTemplate</td>
<td>Deletes a parameter template</td>
</tr>
<tr>
<td>DescribeDefaultParams</td>
<td>Queries the list of default configurable parameters</td>
</tr>
<tr>
<td>DescribeInstanceParamRecords</td>
<td>Queries the parameter modification records</td>
</tr>
<tr>
<td>DescribeInstanceParams</td>
<td>Queries the list of configurable parameters for an instance</td>
</tr>
<tr>
<td>DescribeParamTemplateInfo</td>
<td>Queries the parameter template details</td>
</tr>
<tr>
<td>DescribeParamTemplates</td>
<td>Queries the list of parameter templates</td>
</tr>
<tr>
<td>ModifyInstanceParam</td>
<td>Modifies instance parameters</td>
</tr>
<tr>
<td>ModifyParamTemplate</td>
<td>Modifies a parameter template</td>
</tr>
</tbody>
</table>

### Rollback APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>DescribeRollbackRangeTime</td>
<td>Queries the time range available for rollback</td>
</tr>
<tr>
<td>DescribeRollbackTaskDetail</td>
<td>Queries rollback task details</td>
</tr>
<tr>
<td>StartBatchRollback</td>
<td>Rolls back database tables</td>
</tr>
</tbody>
</table>

### Security Group APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>AssociateSecurityGroups</td>
<td>Binds security groups in batches</td>
</tr>
<tr>
<td>DescribeDBSecurityGroups</td>
<td>Queries the security group information</td>
</tr>
<tr>
<td>DescribeProjectSecurityGroups</td>
<td>Queries the security group information of a project</td>
</tr>
<tr>
<td>DisassociateSecurityGroups</td>
<td>Unbinds security groups in batches</td>
</tr>
<tr>
<td>ModifyDBInstanceSecurityGroups</td>
<td>Modifies the security groups bound to a TencentDB instance</td>
</tr>
</tbody>
</table>

### Task APIs

<table>
<thead>
<tr>
<th>API Name</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>DescribeAsyncRequestInfo</td>
<td>Queries the execution result of an async task</td>
</tr>
<tr>
<td>DescribeTasks</td>
<td>Queries the list of tasks for a TencentDB instance</td>
</tr>
</tbody>
</table>
1. Service Address

The API supports access from either a nearby region (at cdb.tencentcloudapi.com) or a specified region (at cdb.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 "cdb.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:

<table>
<thead>
<tr>
<th>Hosted region</th>
<th>Domain name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local access region (recommended, only for non-financial availability zones)</td>
<td>cdb.tencentcloudapi.com</td>
</tr>
<tr>
<td>South China (Guangzhou)</td>
<td>cdb.ap-guangzhou.tencentcloudapi.com</td>
</tr>
<tr>
<td>East China (Shanghai)</td>
<td>cdb.ap-shanghai.tencentcloudapi.com</td>
</tr>
<tr>
<td>North China (Beijing)</td>
<td>cdb.ap-beijing.tencentcloudapi.com</td>
</tr>
<tr>
<td>Southwest China (Chengdu)</td>
<td>cdb.ap-chengdu.tencentcloudapi.com</td>
</tr>
<tr>
<td>Southwest China (Chongqing)</td>
<td>cdb.ap-chongqing.tencentcloudapi.com</td>
</tr>
<tr>
<td>Hong Kong, Macao, Taiwan (Hong Kong, China)</td>
<td>cdb.ap-hongkong.tencentcloudapi.com</td>
</tr>
<tr>
<td>Southeast Asia (Singapore)</td>
<td>cdb.ap-singapore.tencentcloudapi.com</td>
</tr>
<tr>
<td>Southeast Asia (Bangkok)</td>
<td>cdb.ap-bangkok.tencentcloudapi.com</td>
</tr>
<tr>
<td>South Asia (Mumbai)</td>
<td>cdb.ap-mumbai.tencentcloudapi.com</td>
</tr>
<tr>
<td>Northeast Asia (Seoul)</td>
<td>cdb.ap-seoul.tencentcloudapi.com</td>
</tr>
<tr>
<td>Northeast Asia (Tokyo)</td>
<td>cdb.ap-tokyo.tencentcloudapi.com</td>
</tr>
<tr>
<td>U.S. East Coast (Virginia)</td>
<td>cdb.na-ashburn.tencentcloudapi.com</td>
</tr>
<tr>
<td>U.S. West Coast (Silicon Valley)</td>
<td>cdb.na-siliconvalley.tencentcloudapi.com</td>
</tr>
<tr>
<td>North America (Toronto)</td>
<td>cdb.na-toronto.tencentcloudapi.com</td>
</tr>
<tr>
<td>Europe (Frankfurt)</td>
<td>cdb.eu-frankfurt.tencentcloudapi.com</td>
</tr>
<tr>
<td>Europe (Moscow)</td>
<td>cdb.eu-moscow.tencentcloudapi.com</td>
</tr>
</tbody>
</table>

*Note: As financial availability zones and non-financial availability zones are isolated, when accessing the services in a financial availability zone (with the common parameter Region specifying a financial availability zone), it is
necessary to specify a domain name of the financial availability zone, preferably in the same region as specified in Region.

<table>
<thead>
<tr>
<th>Access region for financial availability zone</th>
<th>Domain name for financial availability zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>East China (Shanghai Finance)</td>
<td>cdb.ap-shanghai-fsi.tencentcloudapi.com</td>
</tr>
<tr>
<td>South China (Shenzhen Finance)</td>
<td>cdb.ap-shenzhen-fsi.tencentcloudapi.com</td>
</tr>
</tbody>
</table>

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 Parameters

Last updated: 2020-04-10 18:19:22

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.

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:

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-TC-Action</td>
<td>String</td>
<td>Yes</td>
<td>The name of the API for the desired operation. For the specific value, see the description of common parameter Action in the input parameters in related API documentation. For example, the API for querying the CVM instance list is DescribeInstances.</td>
</tr>
<tr>
<td>X-TC-Region</td>
<td>String</td>
<td>Yes</td>
<td>Region parameter, which is used to identify the region to which the data you want to work with belongs. For values supported for an API, see the description of common parameter Region in the input parameters in related API documentation. Note: This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even it is passed.</td>
</tr>
<tr>
<td>X-TC-Timestamp</td>
<td>Integer</td>
<td>Yes</td>
<td>The current UNIX timestamp that records the time when the API request was initiated, for example, 1529223702. Note: If the difference between the UNIX timestamp and the server time is greater than 5 minutes, a signature expiration error may occur.</td>
</tr>
<tr>
<td>X-TC-Version</td>
<td>String</td>
<td>Yes</td>
<td>API version of the action. For the valid values, see the description of the common input parameter Version in the API documentation. For example, the version of CVM is 2017-03-12.</td>
</tr>
</tbody>
</table>

Authorization   String   Yes   The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca039a248ff027d0445342fe2855dce963176630326f1024 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is a date in UTC time, and this value must match the value of X-TC-Timestamp (a common parameter) in UTC time format; service is the name of the product/service, and is generally a domain name prefix. For example, a domain name cvm.tencentcloudapi.com refers to the CVM product and the value would be cvm; - SignedHeaders: The headers that contains the authentication information; content-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=AKIDz8krbsJ5yK8Z074Wfp6Lpx3EXAMPLE/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: 1539004154
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=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474

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=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474

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--

Signature Algorithm v1

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

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
</table>

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<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>String</td>
<td>Yes</td>
<td>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>.</td>
</tr>
<tr>
<td>Region</td>
<td>String</td>
<td>Yes</td>
<td>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.</td>
</tr>
<tr>
<td>Timestamp</td>
<td>Integer</td>
<td>Yes</td>
<td>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.</td>
</tr>
<tr>
<td>Nonce</td>
<td>Integer</td>
<td>Yes</td>
<td>A random positive integer used along with <code>Timestamp</code> to prevent replay attacks.</td>
</tr>
<tr>
<td>SecretId</td>
<td>String</td>
<td>Yes</td>
<td>The identifying <code>SecretId</code> obtained on the Cloud API Key page. A <code>SecretId</code> corresponds to a unique <code>SecretKey</code> which is used to generate the request signature (Signature).</td>
</tr>
<tr>
<td>Signature</td>
<td>String</td>
<td>Yes</td>
<td>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.</td>
</tr>
<tr>
<td>Version</td>
<td>String</td>
<td>Yes</td>
<td>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.</td>
</tr>
<tr>
<td>SignatureMethod</td>
<td>String</td>
<td>No</td>
<td>Signature method. Currently, only <code>HmacSHA256</code> and <code>HmacSHA1</code> are supported. The <code>HmacSHA256</code> algorithm is used to verify the signature only when this parameter is specified as <code>HmacSHA256</code>. In other cases, the signature is verified with <code>HmacSHA1</code>.</td>
</tr>
<tr>
<td>Token</td>
<td>String</td>
<td>No</td>
<td>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.</td>
</tr>
</tbody>
</table>

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:**

```text
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcdab70b2d181d0&Region=ap-guangzhou&Nonce=238232233&SecretId=AKIDEXAMPLE

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

**Example of an HTTP POST request structure:**

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

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

Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcdab70b2d181d0&Region=ap-guangzhou&Nonce=238232233&SecretId=AKIDEXAMPLE
```

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Region List

The supported Region field values for all APIs in this product are listed as below. For any API that does not support any of the following regions, this field will be described additionally in the relevant API document.

<table>
<thead>
<tr>
<th>Region</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southeast Asia Pacific (Bangkok)</td>
<td>ap-bangkok</td>
</tr>
<tr>
<td>North China (Beijing)</td>
<td>ap-beijing</td>
</tr>
<tr>
<td>Southwest China (Chengdu)</td>
<td>ap-chengdu</td>
</tr>
<tr>
<td>Southwest China (Chongqing)</td>
<td>ap-chongqing</td>
</tr>
<tr>
<td>South China (Guangzhou)</td>
<td>ap-guangzhou</td>
</tr>
<tr>
<td>South China (Guangzhou Open)</td>
<td>ap-guangzhou-open</td>
</tr>
<tr>
<td>Hong Kong/Macao/Taiwan (Hong Kong, China)</td>
<td>ap-hongkong</td>
</tr>
<tr>
<td>South Asia Pacific (Mumbai)</td>
<td>ap-mumbai</td>
</tr>
<tr>
<td>East China (Nanjing)</td>
<td>ap-nanjing</td>
</tr>
<tr>
<td>Northeast Asia Pacific (Seoul)</td>
<td>ap-seoul</td>
</tr>
<tr>
<td>East China (Shanghai)</td>
<td>ap-shanghai</td>
</tr>
<tr>
<td>East China (Shanghai Finance)</td>
<td>ap-shanghai-fsi</td>
</tr>
<tr>
<td>South China (Shenzhen Finance)</td>
<td>ap-shenzhen-fsi</td>
</tr>
<tr>
<td>Southeast Asia Pacific (Singapore)</td>
<td>ap-singapore</td>
</tr>
<tr>
<td>Northeast Asia Pacific (Tokyo)</td>
<td>ap-tokyo</td>
</tr>
<tr>
<td>Europe (Frankfurt)</td>
<td>eu-frankfurt</td>
</tr>
<tr>
<td>Europe (Moscow)</td>
<td>eu-moscow</td>
</tr>
<tr>
<td>Eastern U.S. (Virginia)</td>
<td>na-ashburn</td>
</tr>
<tr>
<td>Western U.S. (Silicon Valley)</td>
<td>na-siliconvalley</td>
</tr>
<tr>
<td>North America (Toronto)</td>
<td>na-toronto</td>
</tr>
</tbody>
</table>
Signature v3
Last updated: 2020-02-19 10:04:55

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 AKIDz8krbsj5yKBZQpn74WFkmLPx3EXAMPLE and Gu5t9xGARNpq86cd98joQYCN3EXAMPLE, 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=AKIDz8krbsj5yKBZQpn74WFkmLPx3EXAMPLE/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=72e494ea809ad7a8c8f7a4507b9bdcbaa8e581f516e8da2f66e2c5a96525168" 
-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 + '
' + CanonicalURI + '
' + CanonicalQueryString + '
' + CanonicalHeaders + '
' + SignedHeaders + '
' + HashedRequestPayload
```

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTTPRequestMethod</td>
<td>HTTP request method (GET or POST). This example uses POST.</td>
</tr>
<tr>
<td>CanonicalURI</td>
<td>URI parameter. Slash (/) is used for API 3.0.</td>
</tr>
<tr>
<td>CanonicalQueryString</td>
<td>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: Limit=10&amp;Offset=0. Note: CanonicalQueryString 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.</td>
</tr>
</tbody>
</table>
| CanonicalHeaders | Header information for signature calculation, including at least two headers of host and content-type. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request. Concatenation rules: 1. Both the key and value of the header should be converted to lowercase with the leading and trailing spaces removed, so they are concatenated in the format of key:value
format; 2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase). The calculation result in this example is content-type:application/json; charset=utf-8
@host:cvm.tencentcloudapi.com@. Note: content-type must match the actually sent content. In some programming languages, a charset value would be added even if it is not specified. In this case, the request sent is different from the one signed, and the sever will return an error indicating that signature verification failed. |
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

callback-content-type;host
35e9c5b0e3ae67532d3c9f17ead6c9022632a5b1f7f71e8967f139893f064

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

StringToSign =
Algorithm + $n +
RequestTimestamp + $n +
CredentialScope + $n +
HashedCanonicalRequest

Field Name | Explanation
---|---
Algorithm | Signature algorithm, which is currently always TC3-HMAC-SHA256.
RequestTimestamp | Request timestamp, i.e., the value of the common parameter X-TC-Timestamp in the request header, which is the UNIX timestamp of the current time in seconds, such as 1551113065 in this example.
CredentialScope | Scope of the credential in the format of Date/service/tc3_request, including the 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; service is the product name, which should match the domain name of the product called. The calculation result in this example is 2019-02-25/cvm/tc3_request.
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 5ffe6a84e0664d6b969fab9a13dab201d63ee709638e2749d62a89ca18d7831.
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 2019-02-26 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
5ffe6a84c0664d6b969fab9a13bdab201d63ee709638e2749d62a09ca18d7031
```

3. Calculating the Signature

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

```
SecretKey = "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE"
SecretDate = HMAC_SHA256("TC3" + SecretKey, Date)
SecretService = HMAC_SHA256(SecretDate, Service)
SecretSigning = HMAC_SHA256(SecretService, "tc3_request")
```

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SecretKey</td>
<td>The original SecretKey, i.e., Gu5t9xGARNpq86cd98joQYCN3EXAMPLE.</td>
</tr>
<tr>
<td>Date</td>
<td>The Date field information in Credential, such as 2019-02-25 in this example.</td>
</tr>
<tr>
<td>Service</td>
<td>Value in the Service field in Credential, such as cvm in this example.</td>
</tr>
</tbody>
</table>

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
```

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algorithm</td>
<td>Signature algorithm, which is always TC3-HMAC-SHA256.</td>
</tr>
<tr>
<td>SecretId</td>
<td>The SecretId in the key pair, i.e., AKIDz8krbsJ5yKB20pn74WfkmLPx3EXAMPLE.</td>
</tr>
<tr>
<td>CredentialScope</td>
<td>Credential scope (see above). The calculation result in this example is 2019-02-25/cvm/tc3_request.</td>
</tr>
<tr>
<td>Field Name</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SignedHeaders</td>
<td>Header information for signature calculation (see above), such as content-type;host in this example.</td>
</tr>
<tr>
<td>Signature</td>
<td>Signature value. The calculation result in this example is 72e494ea809ad7a8c8f7a4507b9b0ddc8eba4e5b16e8da2f66e2c5a96525168.</td>
</tr>
</tbody>
</table>

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

TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=72e494ea809ad7a8c8f7a4507b9b0ddc8eba4e5b16e8da2f66e2c5a96525168

The following example shows a finished authorization header:

POST https://cvm.tencentcloudapi.com/  
Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=72e494ea809ad7a8c8f7a4507b9b0ddc8eba4e5b16e8da2f66e2c5a96525168  
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": ["Wu672aWu547dWu540d"], "Name": "instance-name"}]

5. Signature Demo

Java

```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 = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE";
    private final static String SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE";
    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 date = String.valueOf(System.currentTimeMillis() / 1000);
    // Pay attention to the time zone; otherwise, errors may occur
    SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
    sdf.setTimeZone(TimeZone.getTimeZone("UTC"));
    // ************* 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 = "{"\n"Limit": 1, \n"Filters": [{\n"Values": ["\n"instance-name"], \n"Name": "instance-name"}]}}\n"
    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 + "\n" + service + "\n" + "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 + "\n" + "Credential=" + SECRET_ID + "\n" + "SignedHeaders=" + signedHeaders + "\n" + "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);
    String sb = new StringBuilder();
    sb.append("curl -X POST https://\n").append("\n").append("-H \"Authorization: \n").append(authorization).append("\n"
    ).append("-H \"Content-Type: application/json; charset=utf-8\n"
    ).append("-H \"Host: \n"
    ).append(host).append("\n"
    ).append("-H \"X-TC-Action: \n".append(action).append("\n"
    ).append("-H \"X-TC-Timestamp: \n".append(timestamp).append("\n"
    )
```python
# -*- coding: utf-8 -*-
import hashlib, hmac, json, os, sys, time
from datetime import datetime

# Key Parameters
secret_id = "AKIDz8krbsJSyK8Zqpn74WFkmLPx3EXAMPLE"
secret_key = "Gu5t9xGARNpq86cd98joYVCN3EXAMPLE"

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": [u"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 + "\ncanonical_uri + "\ncanonical_querystring + "\ncanonical_headers + "\nsigned_headers + "\nhashed_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 + "\nstr(timestamp) + "\ncredential_scope + "\nhashed_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")
secret_service = sign(secret_date, service)
```

---

Python

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

# Key Parameters
secret_id = "AKIDz8krbsJSyK8Zqpn74WFkmLPx3EXAMPLE"
secret_key = "Gu5t9xGARNpq86cd98joYVCN3EXAMPLE"

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": [u"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 + "\ncanonical_uri + "\ncanonical_querystring + "\ncanonical_headers + "\nsigned_headers + "\nhashed_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 + "\nstr(timestamp) + "\ncredential_scope + "\nhashed_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")
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 + '"')

---

**Signature Failure**

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AuthFailure.SignatureExpire</td>
<td>Signature expired. Timestamp and server time cannot differ by more than five minutes.</td>
</tr>
<tr>
<td>AuthFailure.SecretIdNotFound</td>
<td>The key does not exist. Please go to the console to check whether it is disabled or you copied fewer or more characters.</td>
</tr>
<tr>
<td>AuthFailure.SignatureFailure</td>
<td>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.</td>
</tr>
<tr>
<td>AuthFailure.TokenFailure</td>
<td>Temporary certificate token error.</td>
</tr>
<tr>
<td>AuthFailure.InvalidSecretId</td>
<td>Invalid key (not a TencentCloud API key type).</td>
</tr>
</tbody>
</table>
Signature

Last updated: 2020-02-19 10:04:56

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: AKIDz8krbsj5yKBZQpn74WFkmLPx3EXAMPLE
- SecretKey: Gu5t9xGARNpq86cd98joQYCN3EXAMPLE

*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:

<table>
<thead>
<tr>
<th>Parameter name</th>
<th>Description</th>
<th>Parameter value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Method name</td>
<td>DescribeInstances</td>
</tr>
<tr>
<td>SecretId</td>
<td>Key ID</td>
<td>AKIDz8krbsj5yKBZQpn74WFkmLPx3EXAMPLE</td>
</tr>
<tr>
<td>Timestamp</td>
<td>Current timestamp</td>
<td>1465185768</td>
</tr>
<tr>
<td>Nonce</td>
<td>Random positive integer</td>
<td>11886</td>
</tr>
<tr>
<td>Region</td>
<td>Region where the instance is located</td>
<td>ap-guangzhou</td>
</tr>
<tr>
<td>InstanceIds.0</td>
<td>ID of the instance to query</td>
<td>ins-09dx96dg</td>
</tr>
<tr>
<td>Offset</td>
<td>Offset</td>
<td>0</td>
</tr>
</tbody>
</table>

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### 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' : 'AKIDz8krbsJ5yKBZQpn74WFkmLpX3EXAMPLE',
    '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=AKIDz8krbsJ5yKBZQpn74WFkmLpX3EXAMPLE&Timestamp=1465185768&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:
### 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:

```php
$secretKey = 'Gu5t9xGARNpq86cd98jo0YCN3EXAMPLE';
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yK8Z0pn74WfkmLPx3EXAMPLE&Timestamp=1465185768&Version=2017-03-12';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
```

The final signature is:

```
EliP9YW3pW28FpsEdkXt/+WcGeI=
```

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 `EliP9YW3pW28FpsEdkXt/+WcGeI=`, the final signature string request parameter (Signature) is `EliP9YW3pW28FpsEdkXt%2f%2bWcGeI%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.

<table>
<thead>
<tr>
<th>Error code</th>
<th>Error description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AuthFailure.SignatureExpire</td>
<td>The signature is expired</td>
</tr>
<tr>
<td>AuthFailure.SecretIdNotFound</td>
<td>The key does not exist</td>
</tr>
<tr>
<td>AuthFailure.SignatureFailure</td>
<td>Signature error</td>
</tr>
<tr>
<td>AuthFailure.TokenFailure</td>
<td>Token error</td>
</tr>
</tbody>
</table>
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
- JavaScript
- .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=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE&Signature=EliP9YW3pW28FpsEdkXt%2F%28Wc0eI%28D&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

```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;

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.printHexBinary(hash);
    }
}
```
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()) {
    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(java.lang.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", "AKIDz8krbsJ5yKBZQpn74WfmLPx3EXAMPLE"); // 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("InstanceId.0", "ins-09dx96dg"); // Business parameter
    params.put("Signature", sign(getStringToSign(params), "Gu5t9xGARNpq86cd98joYCN3EXAMPLE", "HmacSHA1"); // Common parameter
    System.out.println(getUrl(params));
}

public static String sign(String stringToSign, String key, String signatureMethod) {
    return DatatypeConverter.printBase64Binary(has);
}

Python

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

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

secret_id = "AKIDz8krbsJ5yKBZQpn74WfmLPx3EXAMPLE"
secret_key = "Gu5t9xGARNpq86cd98joYCN3EXAMPLE"

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',
    'InstanceId.0' : 'ins-00dx96dg',
    '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)
Responses

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.

---

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<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AuthFailure.InvalidSecretId</td>
<td>Invalid key (not a TencentCloud API key type).</td>
</tr>
<tr>
<td>AuthFailure.MFAFailure</td>
<td>MFA failed.</td>
</tr>
<tr>
<td>AuthFailure.SecretIdNotFound</td>
<td>The key does not exist.</td>
</tr>
<tr>
<td>AuthFailure.SignatureExpire</td>
<td>Signature expired.</td>
</tr>
<tr>
<td>AuthFailure.SignatureFailure</td>
<td>Signature error.</td>
</tr>
<tr>
<td>AuthFailure.TokenFailure</td>
<td>Token error.</td>
</tr>
<tr>
<td>AuthFailure.UnauthorizedOperation</td>
<td>The request does not have CAM authorization.</td>
</tr>
<tr>
<td>DryRunOperation</td>
<td>DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.</td>
</tr>
<tr>
<td>FailedOperation</td>
<td>Operation failed.</td>
</tr>
<tr>
<td>InternalError</td>
<td>Internal error.</td>
</tr>
<tr>
<td>InvalidAction</td>
<td>The API does not exist.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Incorrect parameter.</td>
</tr>
<tr>
<td>InvalidParameterValue</td>
<td>Invalid parameter value.</td>
</tr>
<tr>
<td>LimitExceeded</td>
<td>Quota limit exceeded.</td>
</tr>
<tr>
<td>MissingParameter</td>
<td>A parameter is missing.</td>
</tr>
<tr>
<td>NoSuchVersion</td>
<td>The API version does not exist.</td>
</tr>
<tr>
<td>RequestLimitExceeded</td>
<td>The number of requests exceeds the frequency limit.</td>
</tr>
<tr>
<td>ResourceInUse</td>
<td>Resource is in use.</td>
</tr>
<tr>
<td>ResourceInsufficient</td>
<td>Insufficient resource.</td>
</tr>
<tr>
<td>ResourceNotFound</td>
<td>The resource does not exist.</td>
</tr>
<tr>
<td>ResourceUnavailable</td>
<td>Resource is unavailable.</td>
</tr>
<tr>
<td>UnauthorizedOperation</td>
<td>Unauthorized operation.</td>
</tr>
<tr>
<td>UnknownParameter</td>
<td>Unknown parameter.</td>
</tr>
<tr>
<td>UnsupportedOperation</td>
<td>Unsupported operation.</td>
</tr>
<tr>
<td>UnsupportedParameter</td>
<td>HTTPS request method error. Only GET and POST requests are supported.</td>
</tr>
<tr>
<td>UnsupportedRegion</td>
<td>API does not support the requested region.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeAsyncRequestInfo) is used to query the async task execution result of a TencentDB instance.

A maximum of 40 requests can be initiated per second for this API.

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeAsyncRequestInfo.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>AsyncRequestId</td>
<td>Yes</td>
<td>String</td>
<td>Async task request ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>String</td>
<td>Task execution result. Valid values: INITIAL, RUNNING, SUCCESS, FAILED, KILLED, REMOVED, PAUSED. Note: This field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Info</td>
<td>String</td>
<td>Task execution information. Note: This field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the Execution Result of an Async Tasks
Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeAsyncRequestInfo
&AsyncRequestId=f96e4f3c-8fc96c86-2ec79ac8-cb63a7a7
&<common request parameters>

Output Example

```json
{
  "Response": {
    "Info": "Dropped database table successfully",
    "Status": "SUCCESS",
    "RequestId": "faae8d6a-38fb-44de-988e-5a0e78aba4a7"
  }
}
```

5. Developer Resources

**API Explorer**

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- API 3.0 Explorer

**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 NodeJS
- Tencent Cloud SDK 3.0 for .NET

**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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.TaskError</td>
<td>Backend task error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InvalidAsyncRequestId</td>
<td>The async task does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
DescribeTasks
Last updated : 2020-03-23 15:01:45

1. API Description

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

This API (DescribeTasks) is used to query the list of tasks for a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeTasks.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>No</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>AsyncRequestId</td>
<td>No</td>
<td>String</td>
<td>ID of an async task request, i.e., AsyncRequestId returned by relevant TencentDB operations.</td>
</tr>
<tr>
<td>TaskTypes.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Task type. If no value is passed in, all task types will be queried. Valid values: 1 - rolling back a database; 2 - performing an SQL operation; 3 - importing data; 5 - setting a parameter; 6 - initializing a TencentDB instance; 7 - restarting a TencentDB instance; 8 - enabling GTID of a TencentDB instance; 9 - upgrading a read-only instance; 10 - rolling back databases in batches; 11 - upgrading a master instance; 12 - deleting a TencentDB table; 13 - promoting a disaster recovery instance.</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Required</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>TaskStatus.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Task status. If no value is passed in, all task statuses will be queried. Valid values: -1 - undefined; 0 - initializing; 1 - running; 2 - succeeded; 3 - failed; 4 - terminated; 5 - deleted; 6 - paused.</td>
</tr>
<tr>
<td>StartTimeBegin</td>
<td>No</td>
<td>String</td>
<td>Start time of the first task in the format of yyyy-MM-dd HH:mm:ss, such as 2017-12-31 10:40:01. It is used for queries by time range.</td>
</tr>
<tr>
<td>StartTimeEnd</td>
<td>No</td>
<td>String</td>
<td>End time of the last task in the format of yyyy-MM-dd HH:mm:ss, such as 2017-12-31 10:40:01. It is used for queries by time range.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Record offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned for a single request. Default value: 20. Maximum value: 100.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible instances.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of TaskDetail</td>
<td>Information of an instance task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the list of tasks for a TencentDB instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeTasks
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 5,
    "Items": [
      {
        "Code": 9013,
        "Message": "[Operate CDB Fail][Upgrade Service Fail!] reason: ERR#-999: lock_inst.cgi: No instance records exist for some instance IDs",
      }
    ]
  }
}
```
"JobId": 79,
"AsyncRequestId": "9d21004b-3aa1896a-eeddca4b-a68f106d",
"Progress": 10,
"StartTime": "2019-10-09 20:03:39",
"EndTime": "2019-10-09 20:39:34",
"InstanceIds": ["cdb-qlfpnobr"],
"TaskType": "OPEN GTID",
"TaskStatus": "FAILED"
},
{
"Code": 0,
"Message": "Parameters successfully set",
"JobId": 70,
"AsyncRequestId": "1d564380-2e391736-f28fa246-43cea3aa",
"Progress": 100,
"StartTime": "2018-07-06 22:03:05",
"EndTime": "2018-07-06 22:03:28",
"InstanceIds": ["cdb-6kd9h71i"],
"TaskType": "MODIFY PARAM",
"TaskStatus": "SUCCEED"
},
{
"Code": 0,
"Message": "Initialized instance successfully",
"JobId": 69,
"AsyncRequestId": "ea39295d-420a0b4e-a98298c7-8751e1ad",
"Progress": 100,
"StartTime": "2018-07-06 22:01:42",
"EndTime": "2018-07-06 22:02:26",
"InstanceIds": ["cdb-6kd9h71i"],
"TaskType": "INITIAL",
"TaskStatus": "SUCCEED"
},
{
"Code": 0,
"Message": "Upgrade instance task is completed",
"JobId": 68,
"AsyncRequestId": "",
"Progress": 100,
"EndTime": "2018-07-06 22:05:10",
"InstanceIds": ["cdb-6kd9h71i"],
"TaskType": "UPGRADE MASTER",
"TaskStatus": "SUCCEED"
},
{
"Code": -1,
"Message": "Failed to set parameters",
"JobId": 66,
"AsyncRequestId": "780b2a32-79cb0f4c-ec7854c5-44ff5371",
"Progress": 0,
"StartTime": "2018-07-05 23:30:36",
"EndTime": "2018-07-05 23:30:37",
"InstanceIds": ["]


5. Developer Resources

**API Explorer**

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- API 3.0 Explorer

**SDK**

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

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for NodeJS
- Tencent Cloud SDK 3.0 for .NET

**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](#).

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DesError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
Security API
AssociateSecurityGroups

1. API Description

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

This API (AssociateSecurityGroups) is used to bind security groups to instances in batches.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: AssociateSecurityGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>SecurityGroupId</td>
<td>Yes</td>
<td>String</td>
<td>Security group ID.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>List of instance IDs, which is an array of one or more instance IDs.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example 1 Binding Security Groups in Batches

Input Example

https://cdb.tencentcloudapi.com/?Action=AssociateSecurityGroups
&SecurityGroupId=sg-ajr1jzgj
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.ResourceNotMatch</td>
<td>The resource does not match.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeDBSecurityGroups

1. API Description

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

This API (DescribeDBSecurityGroups) is used to query the security group details of an instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBSecurityGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying Security Group Information

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeDBSecurityGroups
&InstanceId=cdb-eb2w7dto
&<common request parameters>
5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DfwError</td>
<td>Security group operation error.</td>
</tr>
<tr>
<td>InternalError.ResourceNotUnique</td>
<td>The resource is not unique.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeProjectSecurityGroups
Last updated: 2020-03-23 14:59:03

1. API Description

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

This API (DescribeProjectSecurityGroups) is used to query the security group details of a project.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeProjectSecurityGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>ProjectId</td>
<td>Yes</td>
<td>Integer</td>
<td>Project ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the Security Group Information of a Project

Input Example

&ProjectId=11954
&<common request parameters>

©2013-2019 Tencent Cloud. All rights reserved. Page 44 of 336
Output Example

```json
{
 "Response": {
 "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
 "Groups": [
  {
   "Outbound": [],
   "SecurityGroupName": "CDB",
   "Inbound": [],
   "ProjectId": 0,
   "SecurityGroupId": "sg-ajr1jzgj",
   "SecurityGroupRemark": "",
   "CreateTime": "2017-04-13 15:00:06"
  }
]
}
}
```

5. Developer Resources

API Explorer

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DfwError</td>
<td>Security group operation error.</td>
</tr>
<tr>
<td>InternalError.ResourceNotUnique</td>
<td>The resource is not unique.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DisassociateSecurityGroups) is used to unbind security groups from instances in batches.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DisassociateSecurityGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>SecurityGroupId</td>
<td>Yes</td>
<td>String</td>
<td>Security group ID.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>List of instance IDs, which is an array of one or more instance IDs.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Unbinding Security Groups in Batches

Input Example

&SecurityGroupId=sg-ajr1jzgj
&InstanceIds.0=cdb-eb2w7dto
&<common request parameters>
5. Developer Resources

**API Explorer**

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- Tencent Cloud SDK 3.0 for .NET

**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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DfwError</td>
<td>Security group operation error.</td>
</tr>
<tr>
<td>InternalError.ResourceNotMatch</td>
<td>The resource does not match.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
ModifyDBInstanceSecurityGroups

Last updated: 2020-03-23 14:59:01

1. API Description

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

This API (ModifyDBInstanceSecurityGroups) is used to modify the security groups bound to a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyDBInstanceSecurityGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>SecurityGroupIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>List of IDs of security groups to be modified, which is an array of one or more security group IDs.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Modifying the Security Groups Bound to a TencentDB Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceSecurityGroups&InstanceId=cdb-eb2w7dto
Output Example

```
{
   "Response": {
      "RequestId": "1a42feb9-82087f71-6a0031ac-699a92a8"
   }
}
```

5. Developer Resources

**API Explorer**

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DfwError</td>
<td>Security group operation error.</td>
</tr>
<tr>
<td>InternalError.ResourceNotUnique</td>
<td>The resource is not unique.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter_InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeDatabases) is used to query the information of databases of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDatabases.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Minimum value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned for a single request. Value range: 1-100. Maximum value: 20.</td>
</tr>
<tr>
<td>DatabaseRegexp</td>
<td>No</td>
<td>String</td>
<td>Regular expression for matching database names.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible instances.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of String</td>
<td>Information of an instance.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying Databases

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeDatabases
&InstanceId=cdb-f35wr6wj
&<common request parameters>

Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 7,
    "Items": [
      "information_schema",
      "mysql",
      "performance_schema",
      "test",
      "trsf1",
      "trsf2",
      "trsf3"
    ]
  }
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.
<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeTables) is used to query the database tables of a TencentDB instance.

A maximum of 40 requests can be initiated per second for this API.

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeTables.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Database</td>
<td>Yes</td>
<td>String</td>
<td>Database name.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Record offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned for a single request. Default value: 20. Maximum value: 2,000.</td>
</tr>
<tr>
<td>TableRegexp</td>
<td>No</td>
<td>String</td>
<td>Regular expression for matching table names, which complies with the rules at MySQL's official website</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible tables.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of String</td>
<td>Information of a table.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying Database Tables

Input Example

```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeTables
&InstanceId=cdb-c1nl9rpv
&Database=mysql
&<common request parameters>
```

Output Example

```plaintext
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 10,
    "Items": [
      "CHARACTER_SETS",
      "COLLATIONS",
      "COLLATION_CHARACTER_SET_APPLICABILITY",
      "COLUMNS",
      "COLUMN_PRIVILEGES",
      "ENGINES",
      "EVENTS",
      "FILES",
      "GLOBAL_STATUS",
      "GLOBAL_VARIABLES"
    ]
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
Account API
CreateAccounts

Last updated: 2020-03-23 14:59:47

1. API Description

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

This API (CreateAccounts) is used to create TencentDB accounts. The new account names, domain names, and passwords need to be specified, and account remarks can also be added.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CreateAccounts.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Accounts[N]</td>
<td>Yes</td>
<td>Array of Account</td>
<td>TencentDB account.</td>
</tr>
<tr>
<td>Password</td>
<td>Yes</td>
<td>String</td>
<td>Password of the new account</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>String</td>
<td>Remarks</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestid</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example 1 Creating TencentDB Accounts

Input Example

```plaintext
https://cdb.tencentcloudapi.com/?Action=CreateAccounts
&InstanceId=cdb-f35wr6wj
&Accounts.0.user=xxxxx
&Password=fsdgfdgfd
&Accounts.0.host=127.0.0.1
&<common request parameters>
```

Output Example

```plaintext
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
  }
}
```

5. Developer Resources

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Command Line Interface

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<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DeleteAccounts) is used to delete TencentDB accounts.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DeleteAccounts.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Accounts.N</td>
<td>Yes</td>
<td>Array of Account</td>
<td>TencentDB account.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Deleting TencentDB Accounts**

**Input Example**
Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
  }
}
```

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<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeAccountPrivileges

Last updated: 2020-03-23 14:59:45

1. API Description

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

This API (DescribeAccountPrivileges) is used to query the information of TencentDB account permissions.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeAccountPrivileges.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Instanceld</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>User</td>
<td>Yes</td>
<td>String</td>
<td>Database user account.</td>
</tr>
<tr>
<td>Host</td>
<td>Yes</td>
<td>String</td>
<td>Database account domain name.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GlobalPrivileges</td>
<td>Array of String</td>
<td>Array of global permissions.</td>
</tr>
<tr>
<td>DatabasePrivileges</td>
<td>Array of DatabasePrivilege</td>
<td>Array of database permissions.</td>
</tr>
<tr>
<td>TablePrivileges</td>
<td>Array of TablePrivilege</td>
<td>Array of table permissions in the database.</td>
</tr>
<tr>
<td>ColumnPrivileges</td>
<td>Array of ColumnPrivilege</td>
<td>Array of column permissions in the table.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying the Information of TencentDB Account Permissions

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeAccountPrivileges
&InstanceId=cdb-f35wr6wj
&User=ajnnw
&Host=127.0.0.1
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TablePrivileges": [
      {
        "Table": "user",
        "Privileges": [
          "SELECT",
          "INSERT"
        ],
        "Database": "mysql"
      }
    ],
    "GlobalPrivileges": [
      "SELECT",
      "INSERT",
      "UPDATE",
      "DELETE",
      "CREATE",
      "DROP",
      "REFERENCES",
      "INDEX",
      "ALTER",
      "SHOW DATABASES",
      "CREATE temporary tables",
      "LOCK TABLES",
      "EXECUTE",
      "CREATE VIEW",
      "SHOW VIEW",
      "CREATE routine",
      "ALTER routine",
      "EVENT",
      "TRIGGER"
    ],
    "ColumnPrivileges": [
      {
        "Column": "Host",
        "Table": "user",
        "Privileges": [
          "SELECT",
          "INSERT"
        ],
        "Database": "mysql"
      }
    ],
    "DatabasePrivileges": [
      
    
  
```
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<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>

```json
{
    "Privileges": [
        "CREATE",
        "DROP"
    ],
    "Database": "jersey_test"
}
}```
DescribeAccounts

Last updated: 2020-04-23 18:53:10

1. API Description

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

This API (DescribeAccounts) is used to query information of all TencentDB accounts.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeAccounts.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Record offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned for a single request. Value range: 1-100. Default value: 20.</td>
</tr>
<tr>
<td>AccountRegexp</td>
<td>No</td>
<td>String</td>
<td>Regular expression for matching account names, which complies with the rules at MySQL official website.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible accounts.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of AccountInfo</td>
<td>Details of eligible accounts.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying the Information of All TencentDB Accounts

Input Example

```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeAccounts
&InstanceId=cdb-f35wr6wj
&<common request parameters>
```

Output Example

```plaintext
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 2,
    "Items": [
      {
        "Notes": "",
        "Host": "localhost",
        "User": "",
        "ModifyTime": "",
        "ModifyPasswordTime": "",
        "CreateTime": ""
      },
      {
        "Notes": "",
        "Host": "localhost",
        "User": "root",
        "ModifyTime": "",
        "ModifyPasswordTime": "",
        "CreateTime": ""
      }
    ]
  }
}
```

5. Developer Resources

API Explorer

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- Tencent Cloud SDK 3.0 for .NET
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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
ModifyAccountDescription

Last updated: 2020-03-23 14:59:44

1. API Description

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

This API (ModifyAccountDescription) is used to modify the remarks of a TencentDB instance account.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyAccountDescription.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Accounts.N</td>
<td>Yes</td>
<td>Array of Account</td>
<td>TencentDB account</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>String</td>
<td>Database account remarks</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Modifying the Remarks of a TencentDB Instance Account

Input Example
Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
  }
}
```

5. Developer Resources

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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 NodeJS
- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeSupportedPrivileges

Last updated: 2020-03-23 14:59:44

1. API Description

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

This API (DescribeSupportedPrivileges) is used to query the information of TencentDB account permissions, including global permissions, database permissions, table permissions, and column permissions.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeSupportedPrivileges.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GlobalSupportedPrivileges</td>
<td>Array of String</td>
<td>Global permissions supported by the instance</td>
</tr>
<tr>
<td>DatabaseSupportedPrivileges</td>
<td>Array of String</td>
<td>Database permissions supported by the instance.</td>
</tr>
<tr>
<td>TableSupportedPrivileges</td>
<td>Array of String</td>
<td>Table permissions supported by the instance.</td>
</tr>
<tr>
<td>ColumnSupportedPrivileges</td>
<td>Array of String</td>
<td>Column permissions supported by the instance.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example 1: Querying the Information of TencentDB Instance Permissions

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeSupportedPrivileges
&InstanceId=cdb-f35wr6wj
&<common request parameters>

Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "GlobalSupportedPrivileges": [
      "SELECT",
      "INSERT",
      "UPDATE",
      "DELETE"
    ],
    "DatabaseSupportedPrivileges": [
      "SELECT",
      "INSERT",
      "UPDATE",
      "DELETE"
    ],
    "TableSupportedPrivileges": [
      "SELECT",
      "INSERT",
      "UPDATE",
      "DELETE"
    ],
    "ColumnSupportedPrivileges": [
      "SELECT",
      "INSERT",
      "UPDATE",
      "REFERENCES"
    ]
  }
}
```

5. Developer Resources

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- Tencent Cloud SDK 3.0 for PHP
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
ModifyAccountPassword

1. API Description

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

This API (ModifyAccountPassword) is used to modify the password of a TencentDB instance account.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyAccountPassword.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>NewPassword</td>
<td>Yes</td>
<td>String</td>
<td>New password of the database account. It can only contain 8-64 characters and must contain at least two of the following types of characters: letters, digits, and special characters (_+-&amp;=!@#$%^*()).</td>
</tr>
<tr>
<td>Accounts.N</td>
<td>Yes</td>
<td>Array of Account</td>
<td>TencentDB account</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Modifying the Password of a TencentDB Instance Account
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied.WrongPassword</td>
<td>Incorrect password or verification failed.</td>
</tr>
</tbody>
</table>
ModifyAccountPrivileges

Last updated: 2020-03-23 14:59:42

1. API Description

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

This API is used to modify the permissions of a TencentDB instance account.

Note that when modifying account permissions, you need to pass in the full permission information of the account. You can query the account permission information first before modifying permissions.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyAccountPrivileges.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Accounts.N</td>
<td>Yes</td>
<td>Array of Account</td>
<td>Database account, including username and domain name.</td>
</tr>
<tr>
<td>DatabasePrivileges.N</td>
<td>No</td>
<td>Array of DatabasePrivilege</td>
<td>Database permission. Valid values: &quot;SELECT&quot;, &quot;INSERT&quot;, &quot;UPDATE&quot;, &quot;DELETE&quot;, &quot;CREATE&quot;, &quot;DROP&quot;, &quot;REFERENCES&quot;, &quot;INDEX&quot;, &quot;ALTER&quot;, &quot;CREATE TEMPORARY TABLES&quot;, &quot;LOCK TABLES&quot;, &quot;EXECUTE&quot;, &quot;CREATE VIEW&quot;, &quot;SHOW VIEW&quot;, &quot;CREATE ROUTINE&quot;, &quot;ALTER ROUTINE&quot;, &quot;EVENT&quot;, &quot;TRIGGER&quot;. Note: if this parameter is not passed in, it means to clear the permission.</td>
</tr>
</tbody>
</table>
### TablePrivileges.N
- **Required**: No
- **Type**: Array of TablePrivilege
- **Description**: Table permission in the database. Valid values: "SELECT", "INSERT", "UPDATE", "DELETE", "CREATE", "DROP", "REFERENCES", "INDEX", "ALTER", "CREATE VIEW", "SHOW VIEW", "TRIGGER". Note: if this parameter is not passed in, it means to clear the permission.

### ColumnPrivileges.N
- **Required**: No
- **Type**: Array of ColumnPrivilege
- **Description**: Column permission in table. Valid values: "SELECT", "INSERT", "UPDATE", "REFERENCES". Note: if this parameter is not passed in, it means to clear the permission.

### 3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

### 4. Example

#### Example1 Modifying the Permissions of a TencentDB Instance Account

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=ModifyAccountPrivileges
&InstanceId=cdb-f35w6wj
&Accounts.0.user=ajnnn
&GlobalPrivileges.0=SELECT
&Accounts.0.host=127.0.0.1
&<common request parameters>
```

**Output Example**

```plaintext
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB5A7",
    "AsyncRequestId": "256117ed-efa08b54-61784d44-91781bbd"
  }
}
```

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Command Line Interface
- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
Monitoring APIs
DescribeDeviceMonitorInfo

1. API Description

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

This API (DescribeDeviceMonitorInfo) is used to query the monitoring information of a TencentDB physical machine on the day. Currently, it only supports instances with 488 GB memory and 6 TB disk.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDeviceMonitorInfo.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Count</td>
<td>No</td>
<td>Integer</td>
<td>This parameter is used to return the monitoring data of Count 5-minute time periods on the day. Value range: 1-288. If this parameter is not passed in, all monitoring data in a 5-minute granularity on the day will be returned by default.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cpu</td>
<td>DeviceCpuInfo</td>
<td>CPU monitoring data of the instance</td>
</tr>
<tr>
<td>Mem</td>
<td>DeviceMemInfo</td>
<td>Memory monitoring data of the instance</td>
</tr>
<tr>
<td>Net</td>
<td>DeviceNetInfo</td>
<td>Network monitoring data of the instance</td>
</tr>
<tr>
<td>Disk</td>
<td>DeviceDiskInfo</td>
<td>Disk monitoring data of the instance</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying Physical Machine Monitoring Information

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeDeviceMonitorInfo
&InstanceId=cdb-uns231ns
&Count=2
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "Cpu": {
      "Load": [
        174,
        169
      ],
      "Rate": [
        {
          "CpuCore": 0,
          "Rate": [
            4,
            5
          ]
        },
        {
          "CpuCore": 0,
          "Rate": [
            7,
            7
          ]
        },
        {
          "CpuCore": 1,
          "Rate": [
            15,
            7
          ]
        },
        {
          "CpuCore": 2,
          "Rate": [
            7,
            7
          ]
        },
        {
          "CpuCore": 3,
          "Rate": [
            6,
            5
          ]
        },
        {
          "CpuCore": 4,
          "Rate": [
            4,
```
<table>
<thead>
<tr>
<th>CpuCore</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>[4, 5 ]</td>
</tr>
<tr>
<td>6</td>
<td>[7, 5 ]</td>
</tr>
<tr>
<td>7</td>
<td>[7, 9]</td>
</tr>
<tr>
<td>8</td>
<td>[8, 8]</td>
</tr>
<tr>
<td>9</td>
<td>[6, 4]</td>
</tr>
<tr>
<td>10</td>
<td>[4, 14 ]</td>
</tr>
<tr>
<td>11</td>
<td>[2, 2 ]</td>
</tr>
<tr>
<td>12</td>
<td>[6, 3 ]</td>
</tr>
<tr>
<td>13</td>
<td>[ ]</td>
</tr>
</tbody>
</table>
10,
14
],
{
"CpuCore": 14,
"Rate": [
12,
6
]
},
{
"CpuCore": 15,
"Rate": [
5,
2
]
},
{
"CpuCore": 16,
"Rate": [
4,
2
]
},
{
"CpuCore": 17,
"Rate": [
2,
4
]
},
{
"CpuCore": 18,
"Rate": [
4,
6
]
},
{
"CpuCore": 19,
"Rate": [
14,
9
]
},
{
"CpuCore": 20,
"Rate": [
6,
6
]
},
{
"CpuCore": 21,
"Rate": [
5,
5
]
},
{
"CpuCore": 22,
"Rate": [}
"Rate": [3, 12],

{"CpuCore": 23,
"Rate": [2,
2],
}

"Mem": {
"Total": [65716676, 65716676],
"Used": [57163160, 57158148],
}

"Net": {
"Conn": [133, 130],
"PackageIn": [960, 960],
"PackageOut": [],
"FlowIn": [150, 112],
"FlowOut": [1342, 1260],
}

"Disk": {
"Read": [0, 0],
"Write": [740, 797],
"IoRatioPerSec": [0, 0],
"IoWaitTime": [61, 65],
}

"RequestId": "85b295bb-8f43-ce01-e35f-5a02e2beeeac"
5. Developer Resources

**API Explorer**

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- Tencent Cloud SDK 3.0 for NodeJS
- Tencent Cloud SDK 3.0 for .NET

**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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
Parameter APIs
CreateParamTemplate

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.
This API (CreateParamTemplate) is used to create a parameter template.
A maximum of 100 requests can be initiated per second for this API.

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CreateParamTemplate.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
<tr>
<td>Name</td>
<td>Yes</td>
<td>String</td>
<td>Parameter template name.</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>String</td>
<td>Parameter template description.</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>No</td>
<td>String</td>
<td>MySQL version number.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>No</td>
<td>Integer</td>
<td>Source parameter template ID.</td>
</tr>
<tr>
<td>ParamList.N</td>
<td>No</td>
<td>Array of Parameter</td>
<td>List of parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TemplateId</td>
<td>Integer</td>
<td>Parameter template ID.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Creating a Parameter Template**

**Input Example**
TencentDB for MySQL

https://cdb.tencentcloudapi.com/?Action=CreateParamTemplate
&EngineVersion=5.7
&Name=test
&ParamList.0.Name=auto_increment_increment
&ParamList.0.Value=1
&ParamList.1.Name=binlog_format
&ParamList.2.Value=MIXED
&<common request parameters>

Output Example

```
{
  "Response": {
    "RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792",
    "TemplateId": 2333
  }
}
```

5. Developer Resources

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- Tencent Cloud SDK 3.0 for .NET

**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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>InvalidParameter.InvalidName</td>
<td>Invalid name.</td>
</tr>
</tbody>
</table>
DeleteParamTemplate

Last updated: 2020-03-23 14:59:10

1. API Description

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

This API (DeleteParamTemplate) is used to delete a parameter template.

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

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DeleteParamTemplate.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>Yes</td>
<td>Integer</td>
<td>Parameter template ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Deleting a Parameter Template

**Input Example**

```none
https://cdb.tencentcloudapi.com/?Action=DeleteParamTemplate
&TemplateId=1234
&<common request parameters>
```

**Output Example**

```json
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```
5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeDefaultParams) is used to query the list of default configurable parameters.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDefaultParams.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>Yes</td>
<td>String</td>
<td>MySQL version. Currently, the supported versions are [&quot;5.1&quot;, &quot;5.5&quot;, &quot;5.6&quot;, &quot;5.7&quot;].</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of parameters</td>
</tr>
<tr>
<td>Items</td>
<td>Array of ParameterDetail</td>
<td>Parameter details.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the List of Default Configurable Parameters

Input Example

5. Developer Resources

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- Tencent Cloud SDK 3.0 for NodeJS
# 6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeInstanceParamRecords

Last updated: 2020-03-23 14:59:09

1. API Description

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

This API (DescribeInstanceParamRecords) is used to query the parameter modification records of an instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeInstanceParamRecords.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible records.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of ParamRecord</td>
<td>Parameter modification records.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example
Example1 Querying Parameter Modification Records

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeInstanceParamRecords
&InstanceId=cdb-f35wr6wj
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "1a42feb9-82087f71-6a0031ac-699a92a8",
    "TotalCount": "28",
    "Items": [
      {
        "InstanceId": "cdb-1234asdf",
        "ParamName": "lower_case_table_names",
        "OldValue": "0",
        "NewValue": "1",
        "IsSucess": true,
        "ModifyTime": "2019-01-15 18:59:40"
      }
    ]
  }
}
```

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.
<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNameNotFound</td>
<td>The instance is not found.</td>
</tr>
</tbody>
</table>
DescribeInstanceParams

Last updated : 2020-03-23 14:59:08

1. API Description

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

This API (DescribeInstanceParams) is used to query the list of parameters for an instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeInstanceParams.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of instance parameters.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of ParameterDetail</td>
<td>Parameter details.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Querying the List of Configurable Parameters for an Instance**

**Input Example**
https://cdb.tencentcloudapi.com/?Action=DescribeInstanceParams
&InstanceId=cdb-ezq1vzem
&<common request parameters>

Output Example

```json
{
  "Response": {
    "TotalCount": 72,
    "Items": [
      {
        "Name": "max_connections",
        "ParamType": "integer",
        "Default": "151",
        "Description": "The maximum permitted number of simultaneous client connections.",
        "CurrentValue": "800",
        "NeedReboot": 0,
        "Max": 10240,
        "Min": 1,
        "EnumValue": []
      },
      {
        "Name": "character_set_server",
        "ParamType": "enum",
        "Default": "utf8",
        "Description": "Specify default server character set.",
        "CurrentValue": "utf8",
        "NeedReboot": 1,
        "EnumValue": ["utf8", "utf8mb4", "gbk", "latin1"],
        "Max": 0,
        "Min": 0
      },
      {
        "Name": "lower_case_table_names",
        "ParamType": "integer",
        "Default": "0",
        "Description": "If set to 0, table names are stored as specified and comparisons are case sensitive. If set to 1, they are stored in lowercase on disk and comparisons are not case sensitive.",
        "CurrentValue": "0",
        "NeedReboot": 1,
        "Max": 1,
        "Min": 0,
        "EnumValue": []
      },
      {
        "Name": "wait_timeout",
        "ParamType": "integer",
        "Default": "7200",
        "Description": "The number of seconds the server waits for activity on a noninteractive connection before closing it.",
        "CurrentValue": "3600",
        "NeedReboot": 0,
        "Max": 7200,
        "Min": 1,
        "EnumValue": []
      }
    ]
  }
}```
"Name": "sql_mode",
"ParamType": "enum",
"Default": "ONLY_FULL_GROUP_BY, STRICT_TRANS_TABLES, NO_ZERO_IN_DATE, NO_ZERO_DATE, ERROR_FOR_DIVISION_BY_ZERO, NO_AUTO_CREATE_USER, NO_ENGINE_SUBSTITUTION",
"Description": "The current server SQL mode.",
"CurrentValue": "REAL_AS_FLOAT, PIPES_AS_CONCAT, ANSI_QUOTES, IGNORE_SPACE, ONLY_FULL_GROUP_BY, NO_UNSIGNED_SUBTRACTION, NO_DIR_IN_CREATE, NO_KEY_OPTIONS, NO_TABLE_OPTIONS, NO_FIELD_OPTIONS, NO_AUTO_VALUE_ON_ZERO, STRICT_TRANS_TABLES, STRICT_ALL_TABLES, NO_ZERO_IN_DATE, NO_ZERO_DATE, ALLOW_INVALID_DATES, ERROR_FOR_DIVISION_BY_ZERO, NO_AUTO_CREATE_USER, HIGH_NOT_PRECEDENCE, NO_ENGINE_SUBSTITUTION, PAD_CHAR_TO_FULL_LENGTH",
"NeedReboot": 0,
"EnumValue": [
  "",
  "ALLOW_INVALID_DATES",
  "ANSI_QUOTES",
  "ERROR_FOR_DIVISION_BY_ZERO",
  "HIGH_NOT_PRECEDENCE",
  "IGNORE_SPACE",
  "NO_AUTO_CREATE_USER",
  "NO_AUTO_VALUE_ON_ZERO",
  "NO_BACKSLASH_ESCAPES",
  "NO_DIR_IN_CREATE",
  "NO_ENGINE_SUBSTITUTION",
  "NO_FIELD_OPTIONS",
  "NO_KEY_OPTIONS",
  "NO_TABLE_OPTIONS",
  "NO_UNSIGNED_SUBTRACTION",
  "NO_ZERO_DATE",
  "NO_ZERO_IN_DATE",
  "ONLY_FULL_GROUP_BY",
  "PAD_CHAR_TO_FULL_LENGTH",
  "PIPES_AS_CONCAT",
  "REAL_AS_FLOAT",
  "STRICT_ALL_TABLES",
  "STRICT_TRANS_TABLES"
],
"Max": 0,
"Min": 0,
},

{ "Name": "binlog_row_image",
"ParamType": "enum",
"Default": "FULL",
"Description": "Controls what formats that rows should be logged in.",
"CurrentValue": "MINIMAL",
"NeedReboot": 0,
"EnumValue": [
  "FULL",
  "MINIMAL"
],
"Max": 0,
"Min": 0,
},

{ "Name": "table_open_cache",
"ParamType": "integer",
"Default": "2000",
"Description": "The number of open tables for all threads. Increasing this value increases the number of file descriptors that mysqld requires.",
"CurrentValue": "512",
"NeedReboot": 0,
"Max": 524288,
"Min": 1,
"EnumValue": [],
},
{
"Name": "innodb_open_files",
"ParamType": "integer",
"Default": "1024",
"Description": "It specifies the maximum number of .ibd files that MySQL can keep open at one time.",
"CurrentValue": "8192",
"NeedReboot": 1,
"Max": 8192,
"Min": 10,
"EnumValue": []
},
{
"Name": "log_queries_not_using_indexes",
"ParamType": "enum",
"Default": "OFF",
"Description": "Whether queries that do not use indexes are logged to the slow query log.",
"CurrentValue": "OFF",
"NeedReboot": 0,
"EnumValue": ["ON", "OFF"]
},
"Max": 0,
"Min": 0
},
{
"Name": "table_definition_cache",
"ParamType": "integer",
"Default": "768",
"Description": "The number of table definitions (from .frm files) that can be stored in the definition cache.",
"CurrentValue": "4048",
"NeedReboot": 0,
"Max": 4048,
"Min": 400,
"EnumValue": []
},
{
"Name": "event_scheduler",
"ParamType": "enum",
"Default": "OFF",
"Description": "This variable indicates the status of the Event Scheduler.",
"CurrentValue": "ON",
"NeedReboot": 0,
"EnumValue": ["ON", "OFF"]
},
"Max": 0,
"Min": 0
},
{
"Name": "tx_isolation",
"ParamType": "enum",
"Default": "REPEATABLE-READ",
"Description": "Default transaction isolation level.",
"CurrentValue": "READ-COMMITTED",
"NeedReboot": 0,
"EnumValue": ["READ-COMMITTED", "REPEATABLE-READ"]
<table>
<thead>
<tr>
<th>Name</th>
<th>ParamType</th>
<th>Default</th>
<th>Description</th>
<th>CurrentValue</th>
<th>NeedReboot</th>
<th>Max</th>
<th>Min</th>
<th>EnumValue</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>innodb_autoinc_lock_mode</code></td>
<td>integer</td>
<td>1</td>
<td>The lock mode to use for generating auto-increment values.</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>[]</td>
</tr>
<tr>
<td><code>innodb_flush_log_at_trx_commit</code></td>
<td>integer</td>
<td>1</td>
<td>Controls the balance between strict ACID compliance for commit operations, and higher performance that is possible when commit-related I/O operations are rearranged and done in batches.</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>[]</td>
</tr>
<tr>
<td><code>sync_binlog</code></td>
<td>integer</td>
<td>1</td>
<td>Controls the number of binary log commit groups to collect before synchronizing the binary log to disk.</td>
<td>1</td>
<td>0</td>
<td>4294967295</td>
<td>0</td>
<td>[]</td>
</tr>
<tr>
<td><code>tmp_table_size</code></td>
<td>integer</td>
<td>16777216</td>
<td>The maximum size of internal in-memory temporary tables. This variable does not apply to user-created MEMORY tables.</td>
<td>4194304</td>
<td>0</td>
<td>1073741824</td>
<td>1024</td>
<td>[]</td>
</tr>
<tr>
<td><code>net_read_timeout</code></td>
<td>integer</td>
<td>30</td>
<td>The number of seconds to wait for more data from a connection before aborting the read.</td>
<td>31536000</td>
<td>0</td>
<td>31536000</td>
<td>1</td>
<td>[]</td>
</tr>
<tr>
<td>Name</td>
<td>ParamType</td>
<td>Default</td>
<td>Description</td>
<td>CurrentValue</td>
<td>NeedReboot</td>
<td>Max</td>
<td>Min</td>
<td>EnumValue</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------</td>
<td>------------</td>
<td>-------</td>
<td>-------</td>
<td>-----------</td>
</tr>
<tr>
<td><code>innodb_lock_wait_timeout</code></td>
<td>integer</td>
<td>7200</td>
<td>The length of time in seconds an InnoDB transaction waits for a row lock before giving up</td>
<td>107341824</td>
<td>0</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><code>low_priority_updates</code></td>
<td>enum</td>
<td>OFF</td>
<td>If set to true, all INSERT, UPDATE, DELETE, and LOCK TABLE WRITE statements wait until there is no pending SELECT or LOCK TABLE READ on the affected table</td>
<td>ON</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td><code>ON</code>, <code>OFF</code></td>
</tr>
<tr>
<td><code>innodb_ft_max_token_size</code></td>
<td>integer</td>
<td>84</td>
<td>Maximum character length of words that are stored in an InnoDB FULLTEXT index.</td>
<td>64</td>
<td>1</td>
<td>84</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td><code>delayed_queue_size</code></td>
<td>integer</td>
<td>1000</td>
<td>What size queue (in rows) should be allocated for handling INSERT DELAYED. If the queue becomes full, any client that does INSERT DELAYED will wait until there is room in the queue again.</td>
<td>4294967295</td>
<td>0</td>
<td>4294967295</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><code>innodb_ft_min_token_size</code></td>
<td>integer</td>
<td>3</td>
<td>Minimum length of words that are stored in an InnoDB FULLTEXT index.</td>
<td>16</td>
<td>1</td>
<td>16</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><code>innodb_old_blocks_time</code></td>
<td>integer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
"Default": "1000",
"Description": "Specifies the approximate percentage of the InnoDB buffer pool used for the old block sublist",
"CurrentValue": "2147483647",
"NeedReboot": 0,
"Max": 2147483647,
"Min": 0,
"EnumValue": []
},

{  
"Name": "myisam_sort_buffer_size",
"ParamType": "integer",
"Default": "8388608",
"Description": "The size of the buffer that is allocated when sorting MyISAM indexes during a REPAIR TABLE or when creating indexes with CREATE INDEX or ALTER TABLE",
"CurrentValue": "524288",
"NeedReboot": 0,
"Max": 16777216,
"Min": 262144,
"EnumValue": []
},

{  
"Name": "net_retry_count",
"ParamType": "integer",
"Default": "10",
"Description": "If a read or write on a communication port is interrupted, retry this many times before giving up.",
"CurrentValue": "4294967295",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},

{  
"Name": "max_user_connections",
"ParamType": "integer",
"Default": "0",
"Description": "The maximum permitted number of simultaneous client connections per user.",
"CurrentValue": "10240",
"NeedReboot": 0,
"Max": 10240,
"Min": 0,
"EnumValue": []
},

{  
"Name": "max_length_for_sort_data",
"ParamType": "integer",
"Default": "1024",
"Description": "The cutoff on the size of index values that determines which filesort algorithm to use.",
"CurrentValue": "8388608",
"NeedReboot": 0,
"Max": 8388608,
"Min": 4,
"EnumValue": []
},

{  
"Name": "innodb_write_io_threads",
"ParamType": "integer",
"Default": "4",
"Description": "The number of I/O threads for write operations in InnoDB.",
"CurrentValue": "64",
"NeedReboot": 1,
"Max": 64,
"Min": 1,
"EnumValue": []
},
{
"Name": "delay_key_write",
"ParamType": "enum",
"Default": "ON",
"Description": "This option applies only to MyISAM tables. It can have one of the following values to affect handling of the DEL
AY KEY WRITE table option that can be used in CREATE TABLE statements.",
"CurrentValue": "ALL",
"NeedReboot": 0,
"EnumValue": [
"ON",
"OFF",
"ALL"
],
"Max": 0,
"Min": 0
},
{
"Name": "query_prealloc_size",
"ParamType": "integer",
"Default": "8192",
"Description": "The size of the persistent buffer used for statement parsing and execution. This buffer is not freed between sta
ements."

"CurrentValue": "1048576",
"NeedReboot": 0,
"Max": 1048576,
"Min": 8192,
"EnumValue": []
},
{
"Name": "innodb_strict_mode",
"ParamType": "enum",
"Default": "OFF",
"Description": "When innodb_strict_mode is ON, InnoDB returns errors rather than warnings for certain conditions",
"CurrentValue": "ON",
"NeedReboot": 0,
"EnumValue": [
"ON",
"OFF"
],
"Max": 0,
"Min": 0
},
{
"Name": "max_connect_errors",
"ParamType": "integer",
"Default": "100",
"Description": "If more than this many successive connection requests from a host are interrupted without a successful connectio
n, the server blocks that host from further connections."

"CurrentValue": "999999999",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},
{
"Name": "concurrent_insert",
"ParamType": "enum",
"Default": "AUTO",
"Description": "If AUTO (the default), MySQL permits INSERT and SELECT statements to run concurrently for MyISAM tables that hav
e no free blocks in the middle of the data file."
"CurrentValue": "NEVER",
"NeedReboot": 0,
"EnumValue": [
"NEVER",
"AUTO",
"ALWAYS"
],
"Max": 0,
"Min": 0
},
{ "Name": "innodb_old_blocks_pct",
"ParamType": "integer",
"Default": "37",
"Description": "Specifies the approximate percentage of the InnoDB buffer pool used for the old block sublist",
"CurrentValue": "95",
"NeedReboot": 0,
"Max": 95,
"Min": 5,
"EnumValue": []
},
{ "Name": "auto_increment_offset",
"ParamType": "integer",
"Default": "1",
"Description": "Determines the starting point for the AUTO_INCREMENT column value.",
"CurrentValue": "65535",
"NeedReboot": 0,
"Max": 65535,
"Min": 1,
"EnumValue": []
},
{ "Name": "innodb_read_io_threads",
"ParamType": "integer",
"Default": "4",
"Description": "The number of I/O threads for read operations in InnoDB.",
"CurrentValue": "64",
"NeedReboot": 1,
"Max": 64,
"Min": 1,
"EnumValue": []
},
{ "Name": "thread_cache_size",
"ParamType": "integer",
"Default": "512",
"Description": "How many threads we should keep in a cache for reuse",
"CurrentValue": "128",
"NeedReboot": 0,
"Max": 1000,
"Min": 1,
"EnumValue": []
},
{ "Name": "default_week_format",
"ParamType": "integer",
"Default": "0",
"Description": "The default mode value to use for the WEEK() function",
"CurrentValue": "7",
"NeedReboot": 0,
"Max": 7,
"Min": 0,
"EnumValue": []
},
{
"Name": "ft_query_expansion_limit",
"ParamType": "integer",
"Default": "20",
"Description": "Number of best matches to use for query expansion",
"CurrentValue": "1000",
"NeedReboot": 1,
"Max": 1000,
"Min": 0,
"EnumValue": []
},
{
"Name": "delayed_insert_limit",
"ParamType": "integer",
"Default": "100",
"Description": "After inserting delayed_insert_limit rows, the INSERT DELAYED handler will check if there are any SELECT statements pending. If so, it allows these to execute before continuing",
"CurrentValue": "4294967295",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},
{
"Name": "group_concat_max_len",
"ParamType": "integer",
"Default": "1024",
"Description": "The maximum permitted result length in bytes for the GROUP_CONCAT() function",
"CurrentValue": "4294967295",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 4,
"EnumValue": []
},
{
"Name": "innodb_thread_sleep_delay",
"ParamType": "integer",
"Default": "0",
"Description": "How long InnoDB threads sleep before joining the InnoDB queue, in microseconds",
"CurrentValue": "10000",
"NeedReboot": 0,
"Max": 1000000,
"Min": 0,
"EnumValue": []
},
{
"Name": "key_cache_age_threshold",
"ParamType": "integer",
"Default": "300",
"Description": "This characterizes the number of hits a hot block has to be untouched until it is considered aged enough to be downgraded to a warm block. This specifies the percentage ratio of that number of hits to the total number of blocks in key cache",
"CurrentValue": "300",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 100,
"EnumValue": []
},
"Name": "innodb_concurrency_tickets",
"ParamType": "integer",
"Default": "5000",
"Description": "Determines the number of threads that can enter InnoDB concurrently",
"CurrentValue": "5000",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},

{ "Name": "innodb_read_ahead_threshold",
"ParamType": "integer",
"Default": "56",
"Description": "Controls the sensitivity of linear read-ahead that InnoDB uses to prefetch pages into the buffer pool",
"CurrentValue": "56",
"NeedReboot": 0,
"Max": 64,
"Min": 0,
"EnumValue": []
},

{ "Name": "innodb_max_dirty_pages_pct",
"ParamType": "float",
"Default": "75",
"Description": "InnoDB tries to flush data from the buffer pool so that the percentage of dirty pages does not exceed this value",
"CurrentValue": "75.000000",
"NeedReboot": 0,
"Max": 99,
"Min": 0,
"EnumValue": []
},

{ "Name": "connect_timeout",
"ParamType": "integer",
"Default": "10",
"Description": "The number of seconds that the mysqld server waits for a connect packet before responding with Bad handshake",
"CurrentValue": "1800",
"NeedReboot": 0,
"Max": 1800,
"Min": 2,
"EnumValue": []
},

{ "Name": "log_timestamps",
"ParamType": "enum",
"Default": "UTC",
"Description": "This variable controls the time zone of timestamps in messages written to the error log, and in general query log and slow query log messages written to files."
"CurrentValue": "SYSTEM",
"NeedReboot": 0,
"EnumValue": [ "UTC", "SYSTEM"
] }
,"Max": 0,
,"Min": 0
},

{ "Name": "ft_min_word_len",
"ParamType": "integer",
"Default": "1",
"Description": "The minimum word length for full-text search"
"CurrentValue": "1",
"NeedReboot": 0,
"Max": 255,
"Min": 0,
"EnumValue": []
}
"Default": "4",
"Description": "The minimum length of the word to be included in a FULLTEXT index. Note: FULLTEXT indexes must be rebuilt after changing this variable.",
"CurrentValue": "84",
"NeedReboot": 1,
"Max": 84,
"Min": 1,
"EnumValue": []
},
{
"Name": "ngram_token_size",
"ParamType": "integer",
"Default": "2",
"Description": "ngram_token_size is set to the size of the largest token that you want to search for.",
"CurrentValue": "1",
"NeedReboot": 1,
"Max": 10,
"Min": 1,
"EnumValue": []
},
{
"Name": "auto_increment_increment",
"ParamType": "integer",
"Default": "1",
"Description": "Controls the interval between successive column values."
"CurrentValue": "65535",
"NeedReboot": 0,
"Max": 65535,
"Min": 1,
"EnumValue": []
},
{
"Name": "key_cache_division_limit",
"ParamType": "integer",
"Default": "100",
"Description": "The minimum percentage of warm blocks in key cache",
"CurrentValue": "100",
"NeedReboot": 0,
"Max": 100,
"Min": 1,
"EnumValue": []
},
{
"Name": "div_precision_increment",
"ParamType": "integer",
"Default": "4",
"Description": "This variable indicates the number of digits by which to increase the scale of the result of division operations performed with the operator",
"CurrentValue": "4",
"NeedReboot": 0,
"Max": 30,
"Min": 0,
"EnumValue": []
},
{
"Name": "innodb_table_locks",
"ParamType": "enum",
"Default": "ON",
"Description": "If autocommit = 0, InnoDB honors LOCK TABLES; MySQL does not return from LOCK TABLES ... WRITE until all other threads have released all their locks to the table. The default value of innodb_table_locks is 1, which means that LOCK TABLES can use InnoDB to lock a table internally if autocommit = 0."
"CurrentValue": "OFF"
"NeedReboot": 0,
"EnumValue": [
  "ON",
  "OFF"
],
"Max": 0,
"Min": 0
},

{"Name": "lock_wait_timeout",
"ParamType": "integer",
"Default": "31536000",
"Description": "This variable specifies the timeout in seconds for attempts to acquire metadata locks.",
"CurrentValue": "31536000",
"NeedReboot": 0,
"Max": 31536000,
"Min": 1,
"EnumValue": []
},

{"Name": "innodb_ft_enable_stopword",
"ParamType": "enum",
"Default": "ON",
"Description": "Create FTS index with stopword.",
"CurrentValue": "ON",
"NeedReboot": 0,
"Max": 0,
"Min": 0,
"EnumValue": []
},

{"Name": "net_write_timeout",
"ParamType": "integer",
"Default": "60",
"Description": "The number of seconds to wait for a block to be written to a connection before aborting the write."
"CurrentValue": "60",
"NeedReboot": 0,
"Max": 31536000,
"Min": 1,
"EnumValue": []
},

{"Name": "innodb_print_all_deadlocks",
"ParamType": "enum",
"Default": "OFF",
"Description": "When this option is enabled, information about all deadlocks in InnoDB user transactions is recorded in the mysql error log.
"CurrentValue": "ON",
"NeedReboot": 0,
"Max": 0,
"Min": 0,
"EnumValue": []
},

{"Name": "query_alloc_block_size",
"ParamType": "integer",
"Default": "31536000",
"Description": "This variable specifies the timeout in seconds for attempts to acquire metadata locks."
"CurrentValue": "31536000",
"NeedReboot": 0,
"Max": 31536000,
"Min": 1,
"EnumValue": []
}
"Default": "8192",
"Description": "The allocation size of memory blocks that are allocated for objects created during statement parsing and execution.",
"CurrentValue": "2048",
"NeedReboot": 0,
"Max": 16384,
"Min": 1024,
"EnumValue": []
},
{
"Name": "query_cache_wlock_invalidate",
"ParamType": "enum",
"Default": "OFF",
"Description": "Invalidate queries in query cache on LOCK for write",
"CurrentValue": "ON",
"NeedReboot": 0,
"EnumValue": [ "ON", "OFF" ],
"Max": 0,
"Min": 0
},
{
"Name": "innodb_adaptive_hash_index",
"ParamType": "enum",
"Default": "ON",
"Description": "Whether the InnoDB adaptive hash index is enabled or disabled.",
"CurrentValue": "OFF",
"NeedReboot": 0,
"EnumValue": [ "ON", "OFF" ],
"Max": 0,
"Min": 0
},
{
"Name": "performance_schema",
"ParamType": "enum",
"Default": "OFF",
"Description": "Whether enable the performance schema.",
"CurrentValue": "ON",
"NeedReboot": 1,
"EnumValue": [ "ON", "OFF" ],
"Max": 0,
"Min": 0
},
{
"Name": "delayed_insert_timeout",
"ParamType": "integer",
"Default": "300",
"Description": "How long a INSERT DELAYED thread should wait for INSERT statements before terminating.",
"CurrentValue": "3600",
"NeedReboot": 0,
"Max": 3600,
"Min": 1,
"EnumValue": []
}
```json
{
  "Name": "innodb_purge_batch_size",
  "ParamType": "integer",
  "Default": "300",
  "Description": "The granularity of changes, expressed in units of redo log records, that trigger a purge operation, flushing the changed buffer pool blocks to disk.",
  "CurrentValue": "5000",
  "NeedReboot": 0,
  "Max": 5000,
  "Min": 1,
  "EnumValue": []
},
{
  "Name": "slow_launch_time",
  "ParamType": "integer",
  "Default": "2",
  "Description": "If creating a thread takes longer than this many seconds, the server increments the Slow_launch_threads status variable",
  "CurrentValue": "10",
  "NeedReboot": 0,
  "Max": 10,
  "Min": 1,
  "EnumValue": []
},
{
  "Name": "innodb_purge_threads",
  "ParamType": "integer",
  "Default": "1",
  "Description": "The number of background threads devoted to the InnoDB purge operation.",
  "CurrentValue": "16",
  "NeedReboot": 1,
  "Max": 32,
  "Min": 1,
  "EnumValue": []
},
{
  "Name": "innodb_large_prefix",
  "ParamType": "enum",
  "Default": "OFF",
  "Description": "Enable this option to allow index key prefixes longer than 767 bytes (up to 3072 bytes) for InnoDB tables that use the DYNAMIC and COMPRESSED row formats."
  "CurrentValue": "ON",
  "NeedReboot": 0,
  "EnumValue": [
    "ON",
    "OFF"
  ],
  "Max": 0,
  "Min": 0
},
{
  "Name": "table_open_cache_instances",
  "ParamType": "integer",
  "Default": "16",
  "Description": "The number of table cache instances",
  "CurrentValue": "64",
  "NeedReboot": 1,
  "Max": 64,
  "Min": 1,
  "EnumValue": []
}
```
5. Developer Resources

**API Explorer**

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.
• API 3.0 Explorer

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 NodeJS
• Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeParamTemplateInfo

Last updated: 2020-03-23 14:59:07

1. API Description

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

This API (DescribeParamTemplateInfo) is used to query parameter template details.

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

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](#).

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeParamTemplateInfo.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>Yes</td>
<td>Integer</td>
<td>Parameter template ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TemplateId</td>
<td>Integer</td>
<td>Parameter template ID.</td>
</tr>
<tr>
<td>Name</td>
<td>String</td>
<td>Parameter template name.</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>String</td>
<td>Parameter template description</td>
</tr>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of parameters in the parameter template</td>
</tr>
<tr>
<td>Items</td>
<td>Array of</td>
<td>Parameter details</td>
</tr>
<tr>
<td></td>
<td>ParameterDetail</td>
<td></td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Querying the Parameter Template Details**

**Input Example**

https://cdb.tencentcloudapi.com/?Action=DescribeParamTemplateInfo
&TemplateId=233
&laquo;common request parameters&raquo;

**Output Example**

```json
{
    "Response": {
        "TemplateId": 233,
        "Name": "test",
        "EngineVersion": "5.7",
        "Description": "test",
        "TotalCount": 72,
        "Items": [
            {
                "Name": "max_connections",
                "ParamType": "integer",
                "Default": "151",
                "Description": "The maximum permitted number of simultaneous client connections.",
                "CurrentValue": "800",
                "NeedReboot": 0,
                "Max": 10240,
                "Min": 1,
                "EnumValue": []
            },
            {
                "Name": "character_set_server",
                "ParamType": "enum",
                "Default": "utf8",
                "Description": "Specify default server character set.",
                "CurrentValue": "utf8",
                "NeedReboot": 1,
                "Max": 0,
                "Min": 0,
                "EnumValue": ["utf8", "utf8mb4", "gbk", "latin1"]
            },
            {
                "Name": "lower_case_table_names",
                "ParamType": "integer",
                "Default": "0",
                "Description": "If set to 0, table names are stored as specified and comparisons are case sensitive. If set to 1, they are stored in lowercase on disk and comparisons are not case sensitive.",
                "CurrentValue": "0",
                "NeedReboot": 1,
                "Max": 1,
                "Min": 0,
                "EnumValue": []
            },
            {
                "Name": "wait_timeout",
                "ParamType": "integer",
                "Default": "7200",
                "Description": "The number of seconds the server waits for activity on a noninteractive connection before closing it.",
                "CurrentValue": "3600",
                "NeedReboot": 0,
                "Max": 7200,
                "Min": 1,
                "EnumValue": []
            }
        ]
    }
}
```
},
{
"Name": "sql_mode",
"ParamType": "enum",
"Default": "ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BYZERO,NO_AUTO_CREATE_USER,NO_ENGINE_SUBSTITUTION",
"Description": "The current server SQL mode.",
"CurrentValue": "REAL_AS_FLOAT,PIPES_AS_CONCAT,ANSI_QUOTES,IGNORE_SPACE,ONLY_FULL_GROUP_BY,NO_UNSIGNED_SUBTRACTION,NO_DIR_IN_CREATE,NO_KEY_OPTIONS,NO_TABLE_OPTIONS,NO_FIELD_OPTIONS,NO_AUTO_VALUE_ON ZERO,STRICT_TRANS_TABLES,STRICT_ALL_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ALLOW_INVALID_DATES,ERROR_FOR_DIVISION_BYZERO,NO_AUTO_CREATE_USER,HIGH_NOT_PRECEDENCE,NO_ENGINE_SUBSTITUTION,PAD_CHAR_TO_FULL_LENGTH",
"NeedReboot": 0,
"EnumValue": [
"
",
"ALLOW_INVALID_DATES",
"ANSI_QUOTES",
"ERROR_FOR_DIVISION_BYZERO",
"HIGH NOT PRECEDENCE",
"IGNORE SPACE",
"NO_AUTO_CREATE_USER",
"NO_AUTO_VALUE_ONZERO",
"NO_BACKSLASH_ESCAPES",
"NO_DIR_IN_CREATE",
"NO_ENGINE_SUBSTITUTION",
"NO_FIELD_OPTIONS",
"NO_KEY_OPTIONS",
"NO_TABLE_OPTIONS",
"NO_UNSIGNED_SUBTRACTION",
"NO_ZERO_DATE",
"NO_ZERO_IN_DATE",
"ONLY_FULL_GROUP_BY",
"PAD_CHAR_TO_FULL_LENGTH",
"PIPES_AS_CONCAT",
"REAL_AS_FLOAT",
"STRICT_ALL_TABLES",
"STRICT_TRANS_TABLES"
],
"Max": 0,
"Min": 0
},
{
"Name": "binlog_row_image",
"ParamType": "enum",
"Default": "FULL",
"Description": "Controls what formats that rows should be logged in.",
"CurrentValue": "MINIMAL",
"NeedReboot": 0,
"EnumValue": [
"FULL",
"MINIMAL"
],
"Max": 0,
"Min": 0
},
{
"Name": "table_open_cache",
"ParamType": "integer",
"Default": "2000",
"Description": "The number of open tables for all threads. Increasing this value increases the number of file descriptors that mysqld requires.",
"CurrentValue": "512",
"NeedReboot": 0,
<table>
<thead>
<tr>
<th>Name</th>
<th>ParamType</th>
<th>Default</th>
<th>Description</th>
<th>CurrentValue</th>
<th>NeedReboot</th>
<th>Max</th>
<th>Min</th>
<th>EnumValue</th>
</tr>
</thead>
<tbody>
<tr>
<td>innodb_open_files</td>
<td>integer</td>
<td>1024</td>
<td>It specifies the maximum number of .ibd files that MySQL can keep open at one time.</td>
<td>8192</td>
<td>1</td>
<td>8192</td>
<td>10</td>
<td>[]</td>
</tr>
<tr>
<td>log_queries_not_using_indexes</td>
<td>enum</td>
<td>OFF</td>
<td>Whether queries that do not use indexes are logged to the slow query log.</td>
<td>OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>[ON, OFF]</td>
</tr>
<tr>
<td>table_definition_cache</td>
<td>integer</td>
<td>768</td>
<td>The number of table definitions (from .frm files) that can be stored in the definition cache.</td>
<td>4048</td>
<td>0</td>
<td>4048</td>
<td>400</td>
<td>[]</td>
</tr>
<tr>
<td>event_scheduler</td>
<td>enum</td>
<td>OFF</td>
<td>This variable indicates the status of the Event Scheduler.</td>
<td>ON</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>[ON, OFF]</td>
</tr>
<tr>
<td>tx_isolation</td>
<td>enum</td>
<td>REPEATABLE-READ</td>
<td>Default transaction isolation level.</td>
<td>READ-COMMITTED</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>[]</td>
</tr>
</tbody>
</table>
### Variables

<table>
<thead>
<tr>
<th>Name</th>
<th>ParamType</th>
<th>Default</th>
<th>Description</th>
<th>CurrentValue</th>
<th>NeedReboot</th>
<th>Max</th>
<th>Min</th>
<th>EnumValue</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>innodb_autoinc_lock_mode</code></td>
<td>integer</td>
<td>1</td>
<td>The lock mode to use for generating auto-increment values.</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>[]</td>
</tr>
<tr>
<td><code>innodb_flush_log_at_trx_commit</code></td>
<td>integer</td>
<td>1</td>
<td>Controls the balance between strict ACID compliance for commit operations, and higher performance that is possible when commit-related I/O operations are rearranged and done in batches.</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>[]</td>
</tr>
<tr>
<td><code>sync_binlog</code></td>
<td>integer</td>
<td>1</td>
<td>Controls the number of binary log commit groups to collect before synchronizing the binary log to disk.</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>[]</td>
</tr>
<tr>
<td><code>tmp_table_size</code></td>
<td>integer</td>
<td>16777216</td>
<td>The maximum size of internal in-memory temporary tables. This variable does not apply to user-created MEMORY tables.</td>
<td>4194304</td>
<td>0</td>
<td>1073741824</td>
<td>1024</td>
<td>[]</td>
</tr>
<tr>
<td><code>net_read_timeout</code></td>
<td>integer</td>
<td>30</td>
<td>The number of seconds to wait for more data from a connection before aborting the read.</td>
<td>31536000</td>
<td>0</td>
<td>31536000</td>
<td>1</td>
<td>[]</td>
</tr>
</tbody>
</table>
```
},
{
    "Name": "innodb_lock_wait_timeout",
    "ParamType": "integer",
    "Default": "7200",
    "Description": "The length of time in seconds an InnoDB transaction waits for a row lock before giving up",
    "CurrentValue": "1073741824",
    "NeedReboot": 0,
    "Max": 1073741824,
    "Min": 1,
    "EnumValue": []
},
{
    "Name": "low_priority_updates",
    "ParamType": "enum",
    "Default": "OFF",
    "Description": "If set to true, all INSERT, UPDATE, DELETE, and LOCK TABLE WRITE statements wait until there is no pending SELECT or LOCK TABLE READ on the affected table",
    "CurrentValue": "ON",
    "NeedReboot": 0,
    "EnumValue": ["ON", "OFF"]
},
{
    "Name": "innodb_ft_max_token_size",
    "ParamType": "integer",
    "Default": "84",
    "Description": "Maximum character length of words that are stored in an InnoDB FULLTEXT index",
    "CurrentValue": "64",
    "NeedReboot": 1,
    "Max": 84,
    "Min": 10,
    "EnumValue": []
},
{
    "Name": "delayed_queue_size",
    "ParamType": "integer",
    "Default": "1000",
    "Description": "What size queue (in rows) should be allocated for handling INSERT DELAYED. If the queue becomes full, any client that does INSERT DELAYED will wait until there is room in the queue again",
    "CurrentValue": "4294967295",
    "NeedReboot": 0,
    "Max": 4294967295,
    "Min": 1,
    "EnumValue": []
},
{
    "Name": "innodb_ft_min_token_size",
    "ParamType": "integer",
    "Default": "3",
    "Description": "Minimum length of words that are stored in an InnoDB FULLTEXT index",
    "CurrentValue": "16",
    "NeedReboot": 1,
    "Max": 16,
    "Min": 0,
    "EnumValue": []
},
```
"Name": "innodb_old_blocks_time",
"ParamType": "integer",
"Default": "1000",
"Description": "Specifies the approximate percentage of the InnoDB buffer pool used for the old block sublist",
"CurrentValue": "2147483647",
"NeedReboot": 0,
"Max": 2147483647,
"Min": 0,
"EnumValue": []
},
{
"Name": "myisam_sort_buffer_size",
"ParamType": "integer",
"Default": "8388608",
"Description": "The size of the buffer that is allocated when sorting MyISAM indexes during a REPAIR TABLE or when creating indexes with CREATE INDEX or ALTER TABLE",
"CurrentValue": "524288",
"NeedReboot": 0,
"Max": 16777216,
"Min": 262144,
"EnumValue": []
},
{
"Name": "net_retry_count",
"ParamType": "integer",
"Default": "10",
"Description": "If a read or write on a communication port is interrupted, retry this many times before giving up.",
"CurrentValue": "4294967295",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},
{
"Name": "max_user_connections",
"ParamType": "integer",
"Default": "0",
"Description": "The maximum permitted number of simultaneous client connections per user.",
"CurrentValue": "10240",
"NeedReboot": 0,
"Max": 10240,
"Min": 0,
"EnumValue": []
},
{
"Name": "max_length_for_sort_data",
"ParamType": "integer",
"Default": "1024",
"Description": "The cutoff on the size of index values that determines which filesort algorithm to use.",
"CurrentValue": "8388608",
"NeedReboot": 0,
"Max": 8388608,
"Min": 4,
"EnumValue": []
},
{
"Name": "innodb_write_io_threads",
"ParamType": "integer",
"Default": "4",
"Description": "The number of I/O threads for write operations in InnoDB.",
"CurrentValue": "64",
"NeedReboot": 1,
<table>
<thead>
<tr>
<th>Name</th>
<th>ParamType</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
</table>
| delay_key_write       | enum              | "ON"    | This option applies only to MyISAM tables. It can have one of the following values to affect handling of the DELAY KEY WRITE table option that can be used in CREATE TABLE statements.
|                       |                   |         | CurrentValue: "ALL"                                                         |
|                       |                   |         | NeedReboot: 0, EnumValue: [ "ON", "OFF", "ALL" ]                          |
|                       |                   |         | Max: 0, Min: 0, EnumValue: []                                              |
| delay_key_write       |                   |         |                                                                             |
|                       |                   | "ON"    |                                                                             |
|                       |                   | "OFF"   |                                                                             |
|                       |                   | "ALL"   |                                                                             |
|                       |                   |         |                                                                             |
| query_prealloc_size   | integer           | "8192"  | The size of the persistent buffer used for statement parsing and execution. This buffer is not freed between statements.
|                       |                   |         | CurrentValue: "1048576"                                                     |
|                       |                   |         | NeedReboot: 0, Max: 1048576, Min: 8192, EnumValue: []                      |
| innodb_strict_mode    | enum              | "OFF"   | When innodb_strict_mode is ON, InnoDB returns errors rather than warnings for certain conditions.
|                       |                   |         | CurrentValue: "ON"                                                          |
|                       |                   |         | NeedReboot: 0, EnumValue: [ "ON", "OFF" ]                                  |
|                       |                   |         | Max: 0, Min: 0, EnumValue: []                                              |
| innodb_strict_mode    |                   |         |                                                                             |
|                       |                   | "ON"    |                                                                             |
|                       |                   | "OFF"   |                                                                             |
| max_connect_errors    | integer           | "100"   | If more than this many successive connection requests from a host are interrupted without a successful connection, the server blocks that host from further connections.
<p>|                       |                   |         | CurrentValue: &quot;999999999&quot;                                                  |
|                       |                   |         | NeedReboot: 0, Max: 4294967295, Min: 1, EnumValue: []                      |
|                       |                   |         |                                                                             |
| concurrent_insert     | enum              | &quot;AUTO&quot;  |                                                                             |
|                       |                   |         |                                                                             |</p>
<table>
<thead>
<tr>
<th>Name</th>
<th>ParamType</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>innodb_old_blocks_pct</code></td>
<td>integer</td>
<td>37</td>
<td>Specifies the approximate percentage of the InnoDB buffer pool used for the old block sublist</td>
</tr>
<tr>
<td><code>auto_increment_offset</code></td>
<td>integer</td>
<td>1</td>
<td>Determines the starting point for the AUTO_INCREMENT column value.</td>
</tr>
<tr>
<td><code>innodb_read_io_threads</code></td>
<td>integer</td>
<td>4</td>
<td>The number of I/O threads for read operations in InnoDB.</td>
</tr>
<tr>
<td><code>thread_cache_size</code></td>
<td>integer</td>
<td>512</td>
<td>How many threads we should keep in a cache for reuse.</td>
</tr>
<tr>
<td><code>default_week_format</code></td>
<td>integer</td>
<td>0</td>
<td>The default mode value to use for the WEEK() function.</td>
</tr>
</tbody>
</table>

"Description": "If AUTO (the default), MySQL permits INSERT and SELECT statements to run concurrently for MyISAM tables that have no free blocks in the middle of the data file."
"NeedReboot": 0,
"Max": 7,
"Min": 0,
"EnumValue": []
},
{
"Name": "ft_query_expansion_limit",
"ParamType": "integer",
"Default": "20",
"Description": "Number of best matches to use for query expansion",
"CurrentValue": "1000",
"NeedReboot": 1,
"Max": 1000,
"Min": 0,
"EnumValue": []
},
{
"Name": "delayed_insert_limit",
"ParamType": "integer",
"Default": "100",
"Description": "After inserting delayed_insert_limit rows, the INSERT DELAYED handler will check if there are any SELECT statements pending. If so, it allows these to execute before continuing",
"CurrentValue": "4294967295",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},
{
"Name": "group_concat_max_len",
"ParamType": "integer",
"Default": "1024",
"Description": "The maximum permitted result length in bytes for the GROUP_CONCAT() function",
"CurrentValue": "4294967295",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 4,
"EnumValue": []
},
{
"Name": "innodb_thread_sleep_delay",
"ParamType": "integer",
"Default": "0",
"Description": "How long InnoDB threads sleep before joining the InnoDB queue, in microseconds.",
"CurrentValue": "10000",
"NeedReboot": 0,
"Max": 1000000,
"Min": 0,
"EnumValue": []
},
{
"Name": "key_cache_age_threshold",
"ParamType": "integer",
"Default": "300",
"Description": "This characterizes the number of hits a hot block has to be untouched until it is considered aged enough to be downgraded to a warm block. This specifies the percentage ratio of that number of hits to the total number of blocks in key cache.",
"CurrentValue": "300",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 100,
"EnumValue": []
TencentDB for MySQL

},
{
"Name": "innodb_concurrency_tickets",
"ParamType": "integer",
"Default": "5000",
"Description": "Determines the number of threads that can enter InnoDB concurrently",
"CurrentValue": "5000",
"NeedReboot": 0,
"Max": 4294967295,
"Min": 1,
"EnumValue": []
},
{
"Name": "innodb_read_ahead_threshold",
"ParamType": "integer",
"Default": "56",
"Description": "Controls the sensitivity of linear read-ahead that InnoDB uses to prefetch pages into the buffer pool",
"CurrentValue": "56",
"NeedReboot": 0,
"Max": 64,
"Min": 0,
"EnumValue": []
},
{
"Name": "innodb_max_dirty_pages_pct",
"ParamType": "float",
"Default": "75",
"Description": "InnoDB tries to flush data from the buffer pool so that the percentage of dirty pages does not exceed this value",
"CurrentValue": "75.000000",
"NeedReboot": 0,
"Max": 99,
"Min": 0,
"EnumValue": []
},
{
"Name": "connect_timeout",
"ParamType": "integer",
"Default": "10",
"Description": "The number of seconds that the mysqld server waits for a connect packet before responding with Bad handshake",
"CurrentValue": "1800",
"NeedReboot": 0,
"Max": 1800,
"Min": 2,
"EnumValue": []
},
{
"Name": "log_timestamps",
"ParamType": "enum",
"Default": "UTC",
"Description": "This variable controls the time zone of timestamps in messages written to the error log, and in general query log and slow query log messages written to files",
"CurrentValue": "SYSTEM",
"NeedReboot": 0,
"EnumValue": [
"UTC",
"SYSTEM"
],
"Max": 0,
"Min": 0
}
"Name": "ft_min_word_len",
"ParamType": "integer",
"Default": "4",
"Description": "The minimum length of the word to be included in a FULLTEXT index. Note: FULLTEXT indexes must be rebuilt after changing this variable.",
"CurrentValue": "84",
"NeedReboot": 1,
"Max": 84,
"Min": 1,
"EnumValue": []
},

{ "Name": "ngram_token_size",
"ParamType": "integer",
"Default": "2",
"Description": "ngram_token_size is set to the size of the largest token that you want to search for.",
"CurrentValue": "1",
"NeedReboot": 1,
"Max": 10,
"Min": 1,
"EnumValue": []
},

{ "Name": "auto_increment_increment",
"ParamType": "integer",
"Default": "1",
"Description": "Controls the interval between successive column values.",
"CurrentValue": "65535",
"NeedReboot": 0,
"Max": 65535,
"Min": 1,
"EnumValue": []
},

{ "Name": "key_cache_division_limit",
"ParamType": "integer",
"Default": "100",
"Description": "The minimum percentage of warm blocks in key cache",
"CurrentValue": "100",
"NeedReboot": 0,
"Max": 100,
"Min": 1,
"EnumValue": []
},

{ "Name": "div_precision_increment",
"ParamType": "integer",
"Default": "4",
"Description": "This variable indicates the number of digits by which to increase the scale of the result of division operations performed with the operator",
"CurrentValue": "4",
"NeedReboot": 0,
"Max": 30,
"Min": 0,
"EnumValue": []
},

{ "Name": "innodb_table_locks",
"ParamType": "enum",
"Default": "ON",
"Description": "If autocommit = 0, InnoDB honors LOCK TABLES; MySQL does not return from LOCK TABLES ... WRITE until all other threads have released all their locks to the table. The default value of innodb_table_locks is 1, which means that LOCK TABLES ca
uses InnoDB to lock a table internally if autocommit = 0.

```
uses InnoDB to lock a table internally if autocommit = 0.

"CurrentValue": "OFF",
"NeedReboot": 0,
"EnumValue": [
  "ON",
  "OFF"
],
"Max": 0,
"Min": 0
}
{
"Name": "lock_wait_timeout",
"ParamType": "integer",
"Default": "31536000",
"Description": "This variable specifies the timeout in seconds for attempts to acquire metadata locks.

"CurrentValue": "31536000",
"NeedReboot": 0,
"Max": 31536000,
"Min": 1,
"EnumValue": []
},
{
"Name": "innodb_ft_enable_stopword",
"ParamType": "enum",
"Default": "ON",
"Description": "Create FTS index with stopword.

"CurrentValue": "ON",
"NeedReboot": 0,
"Max": 0,
"Min": 0
},
{
"Name": "net_write_timeout",
"ParamType": "integer",
"Default": "60",
"Description": "The number of seconds to wait for a block to be written to a connection before aborting the write.

"CurrentValue": "60",
"NeedReboot": 0,
"Max": 31536000,
"Min": 1,
"EnumValue": []
},
{
"Name": "innodb_print_all_deadlocks",
"ParamType": "enum",
"Default": "OFF",
"Description": "When this option is enabled, information about all deadlocks in InnoDB user transactions is recorded in the mysqld error log.

"CurrentValue": "ON",
"NeedReboot": 0,
"Max": 0,
"Min": 0
}
```
"Name": "query_alloc_block_size",
"ParamType": "integer",
"Default": "8192",
"Description": "The allocation size of memory blocks that are allocated for objects created during statement parsing and execution.",
"CurrentValue": "2048",
"NeedReboot": 0,
"Max": 16384,
"Min": 1024,
"EnumValue": []
},
{
"Name": "query_cache_wlock_invalidate",
"ParamType": "enum",
"Default": "OFF",
"Description": "Invalidate queries in query cache on LOCK for write",
"CurrentValue": "ON",
"NeedReboot": 0,
"EnumValue": ["ON", "OFF"],
"Max": 0,
"Min": 0
},
{
"Name": "innodb_adaptive_hash_index",
"ParamType": "enum",
"Default": "ON",
"Description": "Whether the InnoDB adaptive hash index is enabled or disabled.",
"CurrentValue": "OFF",
"NeedReboot": 0,
"EnumValue": ["ON", "OFF"],
"Max": 0,
"Min": 0
},
{
"Name": "performance_schema",
"ParamType": "enum",
"Default": "OFF",
"Description": "Whether enable the performance schema.",
"CurrentValue": "ON",
"NeedReboot": 1,
"EnumValue": ["ON", "OFF"],
"Max": 0,
"Min": 0
},
{
"Name": "delayed_insert_timeout",
"ParamType": "integer",
"Default": "300",
"Description": "How long a INSERT DELAYED thread should wait for INSERT statements before terminating.",
"CurrentValue": "3600",
"NeedReboot": 0,
"Max": 3600,
"Min": 1,
"EnumValue": [],
},
{
"Name": "innodb_purge_batch_size",
"ParamType": "integer",
"Default": "300",
"Description": "The granularity of changes, expressed in units of redo log records, that trigger a purge operation, flushing the changed buffer pool blocks to disk.",
"CurrentValue": "5000",
"NeedReboot": 0,
"Max": 5000,
"Min": 1,
"EnumValue": []
},
{
"Name": "slow_launch_time",
"ParamType": "integer",
"Default": "2",
"Description": "If creating a thread takes longer than this many seconds, the server increments the Slow_launch_threads status variable",
"CurrentValue": "10",
"NeedReboot": 0,
"Max": 10,
"Min": 1,
"EnumValue": []
},
{
"Name": "innodb_purge_threads",
"ParamType": "integer",
"Default": "1",
"Description": "The number of background threads devoted to the InnoDB purge operation.",
"CurrentValue": "16",
"NeedReboot": 1,
"Max": 32,
"Min": 1,
"EnumValue": []
},
{
"Name": "innodb_large_prefix",
"ParamType": "enum",
"Default": "OFF",
"Description": "Enable this option to allow index key prefixes longer than 767 bytes (up to 3072 bytes) for InnoDB tables that use the DYNAMIC and COMPRESSED row formats.",
"CurrentValue": "ON",
"NeedReboot": 0,
"EnumValue": [
"ON",
"OFF"
],
"Max": 0,
"Min": 0
},
{
"Name": "table_open_cache_instances",
"ParamType": "integer",
"Default": "16",
"Description": "The number of table cache instances",
"CurrentValue": "64",
"NeedReboot": 1,
"Max": 64,
"Min": 1,
"EnumValue": []
}
5. Developer Resources

API Explorer
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- API 3.0 Explorer

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeParamTemplates
Last updated: 2020-03-23 14:59:07

1. API Description

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

This API (DescribeParamTemplates) is used to query the list of parameter templates.

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

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeParamTemplates.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of parameter templates of the user.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of</td>
<td>Parameter template details.</td>
</tr>
<tr>
<td></td>
<td>ParamTemplateInfo</td>
<td></td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Querying the List of Parameter Templates**

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=DescribeParamTemplates
&<common request parameters>
```

**Output Example**

```
{
    "Response": {
        "RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792",
    
```
5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
ModifyParamTemplate

Last updated: 2020-03-23 14:59:06

1. API Description

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

This API (ModifyParamTemplate) is used to modify a parameter template. A maximum of 20 requests can be initiated per second for this API.

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyParamTemplate.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
<tr>
<td>TemplateId</td>
<td>Yes</td>
<td>Integer</td>
<td>Template ID.</td>
</tr>
<tr>
<td>Name</td>
<td>No</td>
<td>String</td>
<td>Template name.</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>String</td>
<td>Template description.</td>
</tr>
<tr>
<td>ParamList.N</td>
<td>No</td>
<td>Array of Parameter</td>
<td>List of parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Modifying a Parameter Template**

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=ModifyParamTemplate
&TemplateId=11231
&ParamList.0.Name=auto_increment_increment
&ParamList.0.Value=1
&ParamList.1.Name=binlog_format
```
Output Example

```
{
  "Response": {
    "RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792"
  }
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
</tbody>
</table>
ModifyInstanceParam

Last updated: 2020-05-15 11:35:05

1. API Description

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

This API (ModifyInstanceParam) is used to modify instance parameters.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyInstanceParam.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>List of short instance IDs.</td>
</tr>
<tr>
<td>ParamList.N</td>
<td>Yes</td>
<td>Array of Parameter</td>
<td>List of parameters to be modified. Every element is a combination of Name (parameter name) and CurrentValue (new value).</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task ID, which can be used to query task progress.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Modifying instance parameters

Input Example
Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "38265324-dd030463-3d46a793-4a0420b1"
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>CdbError.TaskError</td>
<td>Backend task error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.TaskFrameError</td>
<td>Async task error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter_InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
Backup APIs
DescribeBackupOverview

Last updated : 2020-03-23 14:59:39

1. API Description

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

This API is used to query the backup overview of a user. It will return the user's current total number of backups, total capacity used by backups, capacity in the free tier, and paid capacity (all capacity values are in bytes).

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBackupOverview.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Product</td>
<td>Yes</td>
<td>String</td>
<td>TencentDB product type to be queried. Currently, only mysql is supported.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BackupCount</td>
<td>Integer</td>
<td>Total number of backups of a user in the current region (including data backups and log backups).</td>
</tr>
<tr>
<td>BackupVolume</td>
<td>Integer</td>
<td>Total capacity of backups of a user in the current region.</td>
</tr>
<tr>
<td>BillingVolume</td>
<td>Integer</td>
<td>Paid capacity of backups of a user in the current region, i.e., capacity that exceeds the free tier.</td>
</tr>
<tr>
<td>FreeVolume</td>
<td>Integer</td>
<td>Backup capacity in the free tier of a user in the current region.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example
Example 1 Querying backup overview

Input Example

```text
https://cdb.tencentcloudapi.com/?Action=DescribeBackupOverview
&Product=mysql
&<Common request parameters>
```

Output Example

```json
{
"Response": {
"BackupCount": 15,
"BackupVolume": 90000,
"BillingVolume": 20000,
"FreeVolume": 70000,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

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**Command Line Interface**
- Tencent Cloud CLI 3.0

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
CreateBackup

Last updated: 2020-03-23 14:59:42

1. API Description

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

This API (CreateBackup) is used to create a TencentDB instance backup.

A maximum of 5 requests can be initiated per second for this API.

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CreateBackup.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>BackupMethod</td>
<td>Yes</td>
<td>String</td>
<td>Backup method of target instance. Value range: logical (logical cold backup), physical (physical cold backup).</td>
</tr>
<tr>
<td>BackupDBTableList.N</td>
<td>No</td>
<td>Array of BackupItem</td>
<td>Information of the table to be backed up. If this parameter is not set, the entire instance will be backed up by default. It can be set only in logical backup (i.e., BackupMethod = logical). The specified table must exist; otherwise, backup may fail. For example, if you want to backup tb1 and tb2 in db1 and the entire db2, you should set the parameter as [{&quot;Db&quot;: &quot;db1&quot;, &quot;Table&quot;: &quot;tb1&quot;}, {&quot;Db&quot;: &quot;db1&quot;, &quot;Table&quot;: &quot;tb2&quot;}, {&quot;Db&quot;: &quot;db2&quot;}].</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BackupId</td>
<td>Integer</td>
<td>Backup task ID</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Creating a Database Backup

Input Example

```plaintext
https://cdb.tencentcloudapi.com/?Action=CreateBackup
&InstanceId=cdb-c1nl9rpv
&BackupMethod=logical
&BackupDBTableList=[{"Db": "db1", "Table": "tb1"},
{"Db": "db1", "Table": "tb2"},
{"Db": "db2"}]
&<common request parameters>
```

Output Example

```plaintext
{
  "Response": {
    "BackupId": 102996666,
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DesError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied.ActionInProcess</td>
<td>The instance is performing another task.</td>
</tr>
<tr>
<td>OverQuota</td>
<td>Limit exceeded.</td>
</tr>
</tbody>
</table>
DescribeBackupSummaries

Last updated: 2020-03-23 14:59:38

1. API Description

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

This API is used to query the statistics of backups. It will return the capacity used by backups at the instance level and the number and used capacity of data backups and log backups of each instance (all capacity values are in bytes).

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBackupSummaries.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Product</td>
<td>Yes</td>
<td>String</td>
<td>TencentDB product type to be queried. Currently, only MySQL is supported.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>OrderBy</td>
<td>No</td>
<td>String</td>
<td>Sorting criterion. Valid values: BackupVolume (backup capacity), DataBackupVolume (data backup capacity), BinlogBackupVolume (log backup capacity), AutoBackupVolume (automatic backup capacity), ManualBackupVolume (manual backup capacity).</td>
</tr>
<tr>
<td>OrderDirection</td>
<td>No</td>
<td>String</td>
<td>Sorting order. Valid values: ASC (ascending), DESC (descending).</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Items</td>
<td>Array of BackupSummaryItem</td>
<td>Statistical items of instance backup.</td>
</tr>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Total number of instance backups.</td>
</tr>
</tbody>
</table>
### 4. Example

**Example1 Querying real-time backup statistics**

**Input Example**
```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeBackupSummaries
&Product=mysql
&Limit=1
&<Common request parameters>
```

**Output Example**
```json
{
    "Response": {
        "Items": [
            {
                "AutoBackupCount": 5,
                "AutoBackupVolume": 10000,
                "BackupVolume": 50000,
                "BinlogBackupCount": 2,
                "BinlogBackupVolume": 20000,
                "DataBackupCount": 15,
                "DataBackupVolume": 30000,
                "InstanceId": "cdb-01wa5l0v",
                "ManualBackupCount": 10,
                "ManualBackupVolume": 20000
            }
        ],
        "RequestId": "6EF60BEC-0242-43AF-BB20-270359F854A7",
        "TotalCount": 50
    }
}
```

### 5. Developer Resources

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- **API 3.0 Explorer**

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- Tencent Cloud SDK 3.0 for PHP
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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DeleteBackup
Last updated: 2020-04-10 18:19:28

1. API Description

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

This API is used to delete a database backup. It can only delete manually initiated backups.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DeleteBackup.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>BackupId</td>
<td>Yes</td>
<td>Integer</td>
<td>Backup task ID, which is the task ID returned by the TencentDB instance backup creating API.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Deleting a TencentDB Instance Backup**

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=DeleteBackup
&InstanceId=cdb-c1nl9rpv
```
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.BackupError</td>
<td>Backup error.</td>
</tr>
<tr>
<td>InternalError.DesError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeBackupConfig

Last updated : 2020-03-23 14:59:40

1. API Description

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

This API (DescribeBackupConfig) is used to query the configuration information of a TencentDB instance backup.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBackupConfig.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>StartTimeMin</td>
<td>Integer</td>
<td>Earliest start time point of automatic backup, such as 2 (for 2:00 AM). (This field has been disused. You are recommended to use the BackupTimeWindow field)</td>
</tr>
<tr>
<td>StartTimeMax</td>
<td>Integer</td>
<td>Latest start time point of automatic backup, such as 6 (for 6:00 AM). (This field has been disused. You are recommended to use the BackupTimeWindow field)</td>
</tr>
<tr>
<td>BackupExpireDays</td>
<td>Integer</td>
<td>Backup file retention period in days.</td>
</tr>
<tr>
<td>BackupMethod</td>
<td>String</td>
<td>Backup mode. Value range: physical, logical</td>
</tr>
<tr>
<td>BinlogExpireDays</td>
<td>Integer</td>
<td>Binlog file retention period in days.</td>
</tr>
<tr>
<td>BackupTimeWindow</td>
<td>CommonTimeWindow</td>
<td>Time window for automatic instance backup.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying TencentDB instance backup configuration information

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeBackupConfig
&InstanceId=cdb-c1nl9rpy
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "BackupMethod": "physical",
    "BinlogExpireDays": 7,
    "BackupExpireDays": 7,
    "StartTimeMin": 10,
    "StartTimeMax": 14,
    "BackupTimeWindow": {
      "Friday": "10:00-14:00",
      "Monday": "10:00-14:00",
      "Saturday": "10:00-14:00",
      "Sunday": "10:00-14:00",
      "Thursday": "10:00-14:00",
      "Tuesday": "10:00-14:00",
      "Wednesday": "10:00-14:00"
    },
    "RequestId": "9d73ec37-89b8-4d36-9f40-123123123"
  }
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0
### 6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>InternalError.CdbCgwError</code></td>
<td>Internal system error.</td>
</tr>
<tr>
<td><code>InternalError.DatabaseAccessError</code></td>
<td>Internal database error.</td>
</tr>
<tr>
<td><code>InvalidParameter</code></td>
<td>Parameter error.</td>
</tr>
<tr>
<td><code>InvalidParameter.InstanceNotFound</code></td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeBackupDatabases

Last updated: 2020-03-23 14:59:40

1. API Description

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

This API is used to query the databases contained in a backup file. It has been disused.
After the legacy version becomes capable of full backup, if you want to download logical backup files by table, you need to use this API.
The new API (CreateBackup) can specify the table to be backed up when a logical backup file is created, which can be downloaded directly.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBackupDatabases.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>StartTime</td>
<td>Yes</td>
<td>String</td>
<td>Start time in the format of yyyy-MM-dd HH:mm:ss, such as 2017-07-12 10:29:20.</td>
</tr>
<tr>
<td>SearchDatabase</td>
<td>No</td>
<td>String</td>
<td>Prefix of the database to be queried.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page. Value range: 1-2,000.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of the returned data entries.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of DatabaseName</td>
<td>Array of eligible databases.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying the List of Backup Databases

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeBackupDatabases
&InstanceId=cdb-c1nl9rpv
&StartTime=2017-07-12 10:29:20
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": "2",
    "Items": [
      {
        "DatabaseName": "mysql"
      },
      {
        "DatabaseName": "test"
      }
    ]
  }
}
```

5. Developer Resources

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**Command Line Interface**
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to query the log backup overview of a user in the current region.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBinlogBackupOverview.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Product</td>
<td>Yes</td>
<td>String</td>
<td>TencentDB product type to be queried. Currently, only mysql is supported.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BinlogBackupVolume</td>
<td>Integer</td>
<td>Total capacity of log backups in bytes.</td>
</tr>
<tr>
<td>BinlogBackupCount</td>
<td>Integer</td>
<td>Total number of log backups.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 DescribeBinlogBackupOverview**

**Input Example**

https://cdb.tencentcloudapi.com/?Action=DescribeBinlogBackupOverview

&amp;Product=mysql

&amp;&lt;Common request parameters&gt;
Output Example

```json
{
  "Response": {
    "BinlogBackupCount": 15,
    "BinlogBackupVolume": 6000,
    "RequestId": "0EF0BE6-024E-43AE-BB20-270359F854A7"
  }
}
```

## 5. Developer Resources

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### Command Line Interface

- Tencent Cloud CLI 3.0

## 6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
</tbody>
</table>
DescribeBackupTables

Last updated: 2020-03-23 14:59:38

1. API Description

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

This API is used to query the backup tables of the specified database. It has been disused.

After the legacy version becomes capable of full backup, if you want to download logical backup files by table, you need to use this API.

The new API (CreateBackup) can specify the table to be backed up when a logical backup file is created, which can be downloaded directly.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBackupTables.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>StartTime</td>
<td>Yes</td>
<td>String</td>
<td>Start time in the format of yyyy-MM-dd HH:mm:ss, such as 2017-07-12 10:29:20.</td>
</tr>
<tr>
<td>DatabaseName</td>
<td>Yes</td>
<td>String</td>
<td>Specified database name.</td>
</tr>
<tr>
<td>SearchTable</td>
<td>No</td>
<td>String</td>
<td>Prefix of the table to be queried.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page. Value range: 1-2,000.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of the returned data entries.</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>--------------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Items</td>
<td>Array of Table Name</td>
<td>Array of eligible tables.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

### 4. Example

**Example1 Querying Backup Data Tables of the Specified Database**

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeBackupTables
&InstanceId=cdb-c1nl9rpv
&StartTime=2017-07-12 10:29:20
&DatabaseName=mysql
&<common request parameters>
```

**Output Example**

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": "28",
    "Items": [
      {
        "TableName": "general_log"
      },
      {
        "TableName": "slow_log"
      },
      {
        "TableName": "columns_priv"
      },
      {
        "TableName": "db"
      },
      {
        "TableName": "event"
      },
      {
        "TableName": "func"
      },
      {
        "TableName": "help_category"
      },
      {
        "TableName": "help_keyword"
      },
      {
        "TableName": "help_relation"
      },
      {
        "TableName": "help_topic"
      }
    ]
  }
}
```
5. Developer Resources
API Explorer

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- API 3.0 Explorer

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFoundException</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeBackups

Last updated : 2020-03-23 14:59:37

1. API Description

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

This API (DescribeBackups) is used to query the backups of a TencentDB instance.

A maximum of 10 requests can be initiated per second for this API.

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBackups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1ni9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Minimum value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page. Value range: 1-100. Default value: 20.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible instances.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of BackupInfo</td>
<td>Details of eligible backups.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying data backup file list
5. Developer Resources

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6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DesError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to query the data backup overview of a user in the current region.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDataBackupOverview.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Product</td>
<td>Yes</td>
<td>String</td>
<td>TencentDB product type to be queried. Currently, only mysql is supported.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DataBackupVolume</td>
<td>Integer</td>
<td>Total capacity of data backups in bytes in the current region (including automatic backups and manual backups).</td>
</tr>
<tr>
<td>DataBackupCount</td>
<td>Integer</td>
<td>Total number of data backups in the current region.</td>
</tr>
<tr>
<td>AutoBackupVolume</td>
<td>Integer</td>
<td>Total capacity of automatic backups in the current region.</td>
</tr>
<tr>
<td>AutoBackupCount</td>
<td>Integer</td>
<td>Total number of automatic backups in the current region.</td>
</tr>
<tr>
<td>ManualBackupVolume</td>
<td>Integer</td>
<td>Total capacity of manual backups in the current region.</td>
</tr>
<tr>
<td>ManualBackupCount</td>
<td>Integer</td>
<td>Total number of manual backups in the current region.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example
Example1 `DescribeDataBackupOverview

Input Example

```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeDataBackupOverview
&Product=mysql
&<Common request parameters>
```

Output Example

```json
{
  "Response": {
    "AutoBackupCount": 3,
    "AutoBackupVolume": "3000",
    "DataBackupCount": 5,
    "DataBackupVolume": "5000",
    "ManualBackupCount": 2,
    "ManualBackupVolume": "2000",
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
</tbody>
</table>
DescribeBinlogs

Last updated: 2020-03-02 19:48:54

1. API Description

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

This API is used to query the list of binlog files of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeBinlogs.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Minimum value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page. Value range: 1-100. Default value: 20.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible log files.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of BinlogInfo</td>
<td>Number of eligible binlog files.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Query binlogs

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5. Developer Resources

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
DescribeSlowLogs

1. API Description

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

This API (DescribeSlowLogs) is used to query the slow logs of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeSlowLogs.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Minimum value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page. Value range: 1-100. Default value: 20.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible slow logs.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of</td>
<td>Details of eligible slow logs.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying Slow Logs
Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeSlowLogs
&InstanceId=cdb-c1nl9rpv
&<common request parameters>

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 3,
    "Items": [
      {
        "Name": "ivansqwutestdr_slowlog_20170425.log",
        "IntranetUrl": "",
        "Date": "2017-04-26 00:00:08",
        "InternetUrl": "",
        "Type": "slowlog",
        "Size": 0
      },
      {
        "Name": "ivansqwutestdr_slowlog_20170426.log",
        "IntranetUrl": "http://gz.xxxxxxxxxx",
        "Date": "2017-04-27 00:00:07",
        "InternetUrl": "http://gz.xxxxxxxxxx",
        "Type": "slowlog",
        "Size": 212
      },
      {
        "Name": "ivansqwutestdr_slowlog_20170427.log",
        "IntranetUrl": "",
        "Date": "2017-04-28 00:00:09",
        "InternetUrl": "",
        "Type": "slowlog",
        "Size": 0
      }
    ]
  }
}
```

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6. Error Code

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<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>CdbError.TaskError</td>
<td>Backend task error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter_InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (ModifyBackupConfig) is used to modify the database backup configuration.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyBackupConfig.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>ExpireDays</td>
<td>No</td>
<td>Integer</td>
<td>Backup file retention period in days. Value range: 7-732.</td>
</tr>
<tr>
<td>StartTime</td>
<td>No</td>
<td>String</td>
<td>(This parameter will be disused. The BackupTimeWindow parameter is recommended.) Backup time range in the format of 02:00–06:00, with the start time and end time on the hour. Valid values: 00:00–12:00, 02:00–06:00, 06:00–10:00, 10:00–14:00, 14:00–18:00, 18:00–22:00, 22:00–02:00.</td>
</tr>
<tr>
<td>BackupMethod</td>
<td>No</td>
<td>String</td>
<td>Automatic backup mode. Only physical (physical cold backup) is supported</td>
</tr>
<tr>
<td>BinlogExpireDays</td>
<td>No</td>
<td>Integer</td>
<td>Binlog retention period in days. Value range: 7-732. It cannot be greater than the retention period of backup files.</td>
</tr>
<tr>
<td>BackupTimeWindow</td>
<td>No</td>
<td>CommonTimeWindow</td>
<td>Backup time window; for example, to set up backup between 10:00 and 14:00 on every Tuesday and Sunday, you should set this parameter as follows: {&quot;Monday&quot;: &quot;&quot;, &quot;Tuesday&quot;: &quot;10:00-14:00&quot;, &quot;Wednesday&quot;: &quot;&quot;, &quot;Thursday&quot;: &quot;&quot;, &quot;Friday&quot;: &quot;&quot;, &quot;Saturday&quot;: &quot;&quot;, &quot;Sunday&quot;: &quot;10:00-14:00&quot;} (Note: You can set up backup on different days, but the backup time windows need to be the same. If this field is set, the StartTime field will be ignored)</td>
</tr>
</tbody>
</table>

3. Output Parameters
<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Modifying the Database Backup Configuration**

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=ModifyBackupConfig
&InstanceId=cdb-c1nl9rpv
&ExpireDays=10
&BinlogExpireDays=8
&StartTime=02:00-06:00
&BackupMethod=logical
&<common request parameters>
```

**Output Example**

```
{
    "Response": {
        "RequestId": "6E6F0BEC-0242-43AF-BB20-270359FB54A7"
    }
}
```

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code
The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

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<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
Data Import APIs
CreateDBImportJob

1. API Description

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

This API (CreateDBImportJob) is used to create a data import task for a TencentDB instance.

Note that the files for a data import task must be uploaded to Tencent Cloud in advance. You need to do so in the console.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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](#).

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CreateDBImportJob.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>FileName</td>
<td>Yes</td>
<td>String</td>
<td>Filename. The file should have already been uploaded to Tencent Cloud.</td>
</tr>
<tr>
<td>User</td>
<td>Yes</td>
<td>String</td>
<td>TencentDB username</td>
</tr>
<tr>
<td>Password</td>
<td>No</td>
<td>String</td>
<td>Password of a TencentDB instance user account</td>
</tr>
<tr>
<td>DbName</td>
<td>No</td>
<td>String</td>
<td>Name of the target database. If this parameter is not passed in, no database is specified.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

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4. Example

Example1 Creating a Data Import Task

Input Example

```plaintext
https://cdb.tencentcloudapi.com/?Action=CreateDBImportJob
&InstanceId=cdb-ids6j1b3
&User=xxxxx
&Password=xxxxxxxxxx
&FileName=test.sql
&<common request parameters>
```

Output Example

```plaintext
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "be9f64a6-fa652dc6-f5c878b6-a6a50746"
  }
}
```

5. Developer Resources

API Explorer

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- API 3.0 Explorer

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- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.ImportError</td>
<td>Import task error.</td>
</tr>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied.WrongPassword</td>
<td>Incorrect password or verification failed.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
DescribeUploadedFiles

Last updated: 2020-04-17 15:34:56

1. API Description

Domain name for API request: cdb.tencentcloudapi.com.
This API is used to query the list of user-imported SQL files.

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeUploadedFiles.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
<tr>
<td>Path</td>
<td>Yes</td>
<td>String</td>
<td>File path. OwnerUin information of the root account should be entered in this field.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Record offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned for a single request. Default value: 20.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible SQL files.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of SqlFileInfo</td>
<td>List of returned SQL files.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying imported SQL file list

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeUploadedFiles
&Path=100000983328
&<Common request parameters>

Output Example
5. Developer Resources

API Explorer

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- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CosError</td>
<td>Failed to obtain file information.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeDBImportRecords) is used to query the records of import tasks in a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBImportRecords.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>StartTime</td>
<td>No</td>
<td>String</td>
<td>Start time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-01-01 00:00:01.</td>
</tr>
<tr>
<td>EndTime</td>
<td>No</td>
<td>String</td>
<td>End time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-01-01 23:59:59.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination parameter indicating the offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Pagination parameter indicating the number of results to be returned for a single request. Value range: 1-100. Default value: 20.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible import task operation logs.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of ImportRecord</td>
<td>List of import operation records.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying Import Task Records

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeDBImportRecords
&InstanceId=cdb-7r8h0h61
&StartTime=2016-01-01 00:00:01
&EndTime=2017-08-24 15:03:01
&<common request parameters>

Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": "4",
    "Items": [
      {
        "Status": 3,
        "Code": 1,
        "CostTime": 0,
        "InstanceId": "e318ecb8-863f-11e7-85a5-80fb06afab26",
        "WorkId": "1649290",
        "FileName": "monkey_1501490864.sql",
        "Process": 5,
        "CreateTime": "2017-11-09 14:26:31",
        "FileSize": 12,
        "Message": "lock_inst.cgi: No instance records exist for some instance IDs",
        "JobId": 16242,
        "DbName": "test",
        "AsyncRequestId": "a4768d0a-df23758a-ac961e5a-af414d33"
      },
      {
        "Status": 3,
        "Code": 1,
        "CostTime": 0,
        "InstanceId": "e318ecb8-863f-11e7-85a5-80fb06afab26",
        "WorkId": "1545387",
        "FileName": "monkey_1501490864.sql",
        "Process": 5,
        "CreateTime": "2017-10-18 21:18:26",
        "FileSize": 12,
        "Message": "lock_inst.cgi: No instance records exist for some instance IDs",
        "JobId": 16223,
        "DbName": "",
        "AsyncRequestId": "198e97de-972b1971-fb0ce76a-08ca054e"
      },
      {
        "Status": 3,
        "Code": 1,
        "CostTime": 0,
        "InstanceId": "e318ecb8-863f-11e7-85a5-80fb06afab26",
        "WorkId": "1545171",
        "FileName": "monkey_1501490864.sql",
        "Process": 5,
        "CreateTime": "2017-10-18 20:12:07",
        "FileSize": 2,
        "Message": "lock_inst.cgi: No instance records exist for some instance IDs",
        "JobId": 16223,
        "DbName": "",
        "AsyncRequestId": "198e97de-972b1971-fb0ce76a-08ca054e"
      }
    ]
  }
}
```
5. Developer Resources

**API Explorer**

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- **API 3.0 Explorer**

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFounds</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>InvalidParameter.InvalidAsyncRequestId</td>
<td>The async task does not exist.</td>
</tr>
</tbody>
</table>
StopDBImportJob

1. API Description

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

This API (StopDBImportJob) is used to stop a data import task.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: StopDBImportJob.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>AsyncRequestId</td>
<td>Yes</td>
<td>String</td>
<td>Async task request ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Stopping a Data Import Task

Input Example

https://cdb.tencentcloudapi.com/?Action=StopDBImportJob
&AsyncRequestId=434e366f-beaf56d6-508b7f33-2abdb382
&<common request parameters>

Output Example
5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.ImportError</td>
<td>Import task error.</td>
</tr>
<tr>
<td>InternalError.TaskFrameError</td>
<td>Async task error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InvalidAsyncRequestId</td>
<td>The async task does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to rebalance the loads of instances in an RO group. Please note that the database connections to those instances will be interrupted transiently; therefore, you should ensure that your application can reconnect to the databases. This operation should be performed with caution.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: BalanceRoGroupLoad.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>RoGroupId</td>
<td>Yes</td>
<td>String</td>
<td>RO group ID in the format of cdbrg-c1nl9rpv.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Rebalancing the loads of instances in RO group

Input Example

```
https://cdb.tencentcloudapi.com/?Action=BalanceRoGroupLoad&RoGroupId=cdbrg-eb2w7dto
```
<Common request parameters>

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
AddTimeWindow

Last updated: 2020-03-23 14:59:31

1. API Description

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

This API (AddTimeWindow) is used to add a maintenance time window for a TencentDB instance, so as to specify when the instance can automatically perform access switch operations.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: AddTimeWindow.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Monday.N</td>
<td>No</td>
<td>Array of String</td>
<td>Time period available for maintenance on Monday in the format of 10:00-12:00. Each period lasts from half an hour to three hours, with the start time and end time aligned by half-hour. Up to two time periods can be set. The same rule applies below.</td>
</tr>
<tr>
<td>Tuesday.N</td>
<td>No</td>
<td>Array of String</td>
<td>Maintenance time window on Tuesday</td>
</tr>
<tr>
<td>Wednesday.N</td>
<td>No</td>
<td>Array of String</td>
<td>Maintenance time window on Wednesday</td>
</tr>
<tr>
<td>Thursday.N</td>
<td>No</td>
<td>Array of String</td>
<td>Maintenance time window on Thursday</td>
</tr>
<tr>
<td>Friday.N</td>
<td>No</td>
<td>Array of String</td>
<td>Maintenance time window on Friday</td>
</tr>
<tr>
<td>Saturday.N</td>
<td>No</td>
<td>Array of String</td>
<td>Maintenance time window on Saturday</td>
</tr>
</tbody>
</table>
3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td></td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Adding a Maintenance Time Window**

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=AddTimeWindow
&InstanceId=cdb-eb2w7dto
&Monday.0=02:00-03:00
&<common request parameters>
```

**Output Example**

```plaintext
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

5. Developer Resources

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- API 3.0 Explorer

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for NodeJS
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to create a placement group for placing instances.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CreateDeployGroup.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>DeployGroupName</td>
<td>Yes</td>
<td>String</td>
<td>Name of a placement group, which can contain up to 60 characters.</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>String</td>
<td>Description of a placement group, which can contain up to 200 characters.</td>
</tr>
<tr>
<td>Affinity.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Affinity policy of placement group. Currently, the value of this parameter can only be 1. Policy 1 indicates the upper limit of instances on one physical machine.</td>
</tr>
<tr>
<td>LimitNum</td>
<td>No</td>
<td>Integer</td>
<td>Upper limit of instances on one physical machine as defined in affinity policy 1 of placement group.</td>
</tr>
<tr>
<td>DevClass.N</td>
<td>No</td>
<td>Array of String</td>
<td>Model attribute of placement group. Valid values: SH12+SH02, TS85.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeployGroupId</td>
<td>String</td>
<td>Placement group ID.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Creating placement group

This example shows you how to create a placement group.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=CreateDeployGroup
&DeployGroupName=cdb-eqy1vzem
&Description=test
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "DeployGroupId": "213123",
    "RequestId": "b4a719b5-ff34ab6-816c43c1-8c6a23eb"
  }
}
```

5. Developer Resources

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- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------------------------------------------------------</td>
</tr>
<tr>
<td>InvalidParameter.DeployGroupNotEmpty</td>
<td>There are resources in the placement group.</td>
</tr>
<tr>
<td>InvalidParameter.OverDeployGroupQuota</td>
<td>The quota of placement group resources has been exceeded.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotFound</td>
<td>The resource is not found.</td>
</tr>
<tr>
<td>OperationDenied.ActionNotSupport</td>
<td>Unsupported operation.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to query the basic information of an instance (instance ID, instance name, and whether encryption is enabled).

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBInstanceInfo.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
<tr>
<td>InstanceName</td>
<td>String</td>
<td>Instance name.</td>
</tr>
<tr>
<td>Encryption</td>
<td>String</td>
<td>Whether encryption is enabled. YES: enabled, NO: not enabled.</td>
</tr>
<tr>
<td>KeyId</td>
<td>String</td>
<td>Encryption key ID. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>KeyRegion</td>
<td>String</td>
<td>Key region. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

DescribeDBInstanceInfo

Last updated: 2020-05-15 11:35:05
Example 1 Getting the basic information of instance

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeDBInstanceInfo
&InstanceId=cdb-***
&<Common request parameters>
```

**Output Example**

```json
{
  "Response": {
    "InstanceId": "test",
    "InstanceName": "test",
    "Encryption": "YES",
    "KeyId": "sdasdds-12asdasd",
    "KeyRegion": "ap-guangzhou",
    "RequestId": "faae8d6a-38fb-44de-988e-5a0e78aba4a7"
  }
}
```

5. Developer Resources

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- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotExists</td>
<td>The resource does not exist.</td>
</tr>
</tbody>
</table>
DeleteDeployGroups

Last updated: 2020-03-02 19:48:47

1. API Description

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

This API is used to delete placement groups by placement group ID (a placement group cannot be deleted if it contains resources).

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DeleteDeployGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>DeployGroupIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>List of IDs of placement groups to be deleted.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Deleting placement groups

Input Example

https://cdb.tencentcloudapi.com/?Action=DeleteDeployGroups
&DeployGroupIds.0=test
&<Common request parameter>

Output Example
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

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<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.DeployGroupNotEmpty</td>
<td>There are resources in the placement group.</td>
</tr>
<tr>
<td>InvalidParameter.OverDeployGroupQuota</td>
<td>The quota of placement group resources has been exceeded.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotFound</td>
<td>The resource is not found.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DeleteTimeWindow) is used to delete a maintenance time window for a TencentDB instance. After it is deleted, the default maintenance time window will be 03:00-04:00, i.e., switch to a new instance will be performed during 03:00-04:00 by default.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DeleteTimeWindow.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Deleting a Maintenance Time Window**

Input Example

https://cdb.tencentcloudapi.com/?Action=DeleteTimeWindow
&InstanceId=cdb-eb2w7dto
&<common request parameters>
Output Example

```json
{
    "Response": {
        "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
    }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
CloseWanService

Last updated: 2020-03-23 14:59:30

1. API Description

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

This API (CloseWanService) is used to disable public network access for TencentDB instance, which will make public IP addresses inaccessible.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CloseWanService.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Disabling Public Network Access for an Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=CloseWanService
&InstanceId=cdb-ezq1vzem
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>

Optional: Include a table of error codes related to API business logic.
1. API Description

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

This API is used to query the information of all RO groups of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeRoGroups.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoGroups</td>
<td>Array of RoGroup</td>
<td>RO group information array. An instance can be associated with multiple RO groups.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the information of all RO groups of TencentDB instance

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeRoGroups
&InstanceId=cdb-eggz8oj5
&<Common request parameters>
Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359F854A7",
    "RoGroups": [
      {
        "RoGroupName": "ro_group_172023",
        "RoMaxDelayTime": 1,
        "RoOfflineDelay": 0,
        "RoInstances": [
          {
            "Zone": "ap-guangzhou-3",
            "MasterInstanceId": "cdb-eggz8oj5",
            "Memory": 2000,
            "Status": 1,
            "VpcId": 0,
            "InstanceId": "cdbro-h9k7cx05",
            "Volume": 100,
            "ProtectMode": 0,
            "ProjectId": 0,
            "SubnetId": 0,
            "HourFeeStatus": 1,
            "RoStatus": "online",
            "OfflineTime": "0000-00-00 00:00:00",
            "Region": "ap-guangzhou",
            "DeadlineTime": "2018-01-04 16:48:30",
            "DeployMode": 0,
            "ZoneId": 100003,
            "DeviceType": "CUSTOM",
            "EngineVersion": "5.6",
            "TaskStatus": 1,
            "InstanceName": "cdb_ro_172023",
            "Weight": 1,
            "InitFlag": 1,
            "PayType": 0,
            "InstanceType": 3,
            "Vip": "10.66.199.133",
            "Qps": 2400,
            "Vport": 3306,
            "CdbError": 0
          }
        ],
        "RoGroupId": "cdbrg-eb2w7dto",
        "Vip": "10.66.199.133",
        "MinRoInGroup": 1,
        "Vport": 3306,
        "WeightMode": "system"
      }
    ]
  }
}
```

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* API 3.0 Explorer

**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 NodeJS
- Tencent Cloud SDK 3.0 for .NET

**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](#).

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to create a pay-as-you-go TencentDB instance (which can be a master, disaster recovery, or read-only instance) by passing in information such as instance specifications, MySQL version number, and quantity.

This is an async API. You can also use the DescribeDBInstances API to query the instance details. If the Status value of an instance is 1 and TaskStatus is 0, the instance has been successfully delivered.

1. Please use the DescribeDBZoneConfig API to query the supported instance specifications first and then use the DescribeDBPrice API to query the prices of the supported instances;
2. You can create up to 100 instances at a time, with an instance validity period of up to 36 months;
3. MySQL v5.5, v5.6, and v5.7 are supported;
4. Master instances, read-only instances, and disaster recovery instances can be created;
5. If Port, ParamList, or Password is set in the input parameters, the instance will be initialized.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: CreateDBInstanceHour.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Memory</td>
<td>Yes</td>
<td>Integer</td>
<td>Instance memory size in MB. Please use the DescribeDBZoneConfig API to query the supported memory specifications.</td>
</tr>
<tr>
<td>Volume</td>
<td>Yes</td>
<td>Integer</td>
<td>Instance disk size in GB. Please use the DescribeDBZoneConfig API to query the supported disk specifications.</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>No</td>
<td>String</td>
<td>MySQL version. Valid values: 5.5, 5.6, 5.7. Please use the DescribeDBZoneConfig API to query the supported instance versions.</td>
</tr>
<tr>
<td>UniqVpcId</td>
<td>No</td>
<td>String</td>
<td>VPC ID. If this parameter is not passed in, the basic network will be selected by default. Please use the DescribeVpcs API to query the VPCs.</td>
</tr>
<tr>
<td>UniqSubnetId</td>
<td>No</td>
<td>String</td>
<td>VPC subnet ID. If UniqVpcId is set, then UniqSubnetId will be required. Please use the DescribeSubnets API to query the subnet lists.</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Required</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>----------</td>
<td>--------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ProjectId</td>
<td>No</td>
<td>Integer</td>
<td>Project ID. If this is left empty, the default project will be used. Please use the DescribeProject API to get the project ID.</td>
</tr>
<tr>
<td>Zone</td>
<td>No</td>
<td>String</td>
<td>AZ information. By default, the system will automatically select an AZ. Please use the DescribeDBZoneConfig API to query the supported AZs.</td>
</tr>
<tr>
<td>MasterInstanceId</td>
<td>No</td>
<td>String</td>
<td>Instance ID, which is required and the same as the master instance ID when purchasing read-only or disaster recovery instances. Please use the DescribeDBInstances API to query the instance IDs.</td>
</tr>
<tr>
<td>InstanceRole</td>
<td>No</td>
<td>String</td>
<td>Instance type. Valid values: master (master instance), dr (disaster recovery instance), ro (read-only instance). Default value: master.</td>
</tr>
<tr>
<td>MasterRegion</td>
<td>No</td>
<td>String</td>
<td>AZ information of the master instance, which is required for purchasing disaster recovery instances.</td>
</tr>
<tr>
<td>Port</td>
<td>No</td>
<td>Integer</td>
<td>Custom port. Value range: [1024-65535].</td>
</tr>
<tr>
<td>Password</td>
<td>No</td>
<td>String</td>
<td>Sets the root account password. Rule: the password can contain 8-64 characters and must contain at least two of the following types of characters: letters, digits, and special symbols (_+-=&amp;!<em>@#$%^</em>()). This parameter can be specified when purchasing master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>ParamList.N</td>
<td>No</td>
<td>Array of ParamInfo</td>
<td>List of parameters in the format of ParamList.0.Name=auto_increment&amp;ParamList.0.Value=1. You can use the DescribeDefaultParams API to query the configurable parameters.</td>
</tr>
<tr>
<td>ProtectMode</td>
<td>No</td>
<td>Integer</td>
<td>Data replication mode. Valid values: 0 (async), 1 (semi-sync), 2 (strong sync). Default value: 0. This parameter can be specified when purchasing master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>DeployMode</td>
<td>No</td>
<td>Integer</td>
<td>Multi-AZ. Valid value: 0 (single-AZ), 1 (multi-AZ). Default value: 0. This parameter can be specified when purchasing master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>SlaveZone</td>
<td>No</td>
<td>String</td>
<td>AZ information of slave database 1, which is the Zone value by default. This parameter can be specified when purchasing master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>BackupZone</td>
<td>No</td>
<td>String</td>
<td>AZ information of slave database 2, which is empty by default. This parameter can be specified when purchasing strong sync master instances and is meaningless for other types of instances.</td>
</tr>
<tr>
<td>SecurityGroup.N</td>
<td>No</td>
<td>Array of String</td>
<td>Security group parameter. You can use the DescribeProjectSecurityGroups API to query the security group details of a project.</td>
</tr>
<tr>
<td>RoGroup</td>
<td>No</td>
<td>RoGroup</td>
<td>Read-only instance information. This parameter must be passed in when purchasing read-only instances.</td>
</tr>
<tr>
<td>AutoRenewFlag</td>
<td>No</td>
<td>Integer</td>
<td>This field is meaningless when purchasing pay-as-you-go instances.</td>
</tr>
<tr>
<td>InstanceName</td>
<td>No</td>
<td>String</td>
<td>Instance name.</td>
</tr>
<tr>
<td>ResourceTags.N</td>
<td>No</td>
<td>Array of TagInfo</td>
<td>Instance tag information.</td>
</tr>
<tr>
<td>DeployGroupId</td>
<td>No</td>
<td>String</td>
<td>Placement group ID.</td>
</tr>
</tbody>
</table>
3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DealIds</td>
<td>Array of String</td>
<td>Short order ID.</td>
</tr>
<tr>
<td>InstanceIds</td>
<td>Array of String</td>
<td>Instance ID list</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Creating pay-as-you-go TencentDB instance**

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=CreateDBInstanceHour
&Memory=1000
&Volume=25
&GoodsNum=1
&Zone=ap-guangzhou-3
&UniqVpcId=vpc-akbol5v
&UniqSubnetId=subnet-fyrtjbqw
&ProjectId=0
&InstanceRole=master
&EngineVersion=5.6
&ProtectMode=0
&DeployMode=0
&SlaveZone=ap-guangzhou-3
&ResourceTags.0.TagKey=marchtest
&ResourceTags.0.TagValue.0=test1
&<Common request parameters>
```

**Output Example**

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "InstanceIds": ["cdb-03brtubb"
  ]
}
5. Developer Resources

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6. Error Code

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

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<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DfwError</td>
<td>Security group operation error.</td>
</tr>
<tr>
<td>InternalError.TradeError</td>
<td>Transaction system error.</td>
</tr>
<tr>
<td>InternalError.VpcError</td>
<td>VPC or subnet error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>OperationDenied.ActionNotSupport</td>
<td>Unsupported operation.</td>
</tr>
<tr>
<td>OperationDenied.WrongPassword</td>
<td>Incorrect password or verification failed.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeDBInstanceCharset) is used to query the character set and its name of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBInstanceCharset.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charset</td>
<td>String</td>
<td>Default character set of the instance, such as &quot;latin1&quot; and &quot;utf8&quot;.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the Character Set of a TencentDB Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeDBInstanceCharset
&InstanceId=cdb-f35wr6wj
&<common request parameters>
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</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeDBInstanceConfig

1. API Description

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

This API (DescribeDBInstanceConfig) is used to query the configuration information of a TencentDB instance, such as its synchronization mode and deployment mode.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBInstanceConfig.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProtectMode</td>
<td>Integer</td>
<td>Data protection mode of the master instance. Value range: 0 (async replication), 1 (semi-sync replication), 2 (strong sync replication).</td>
</tr>
<tr>
<td>DeployMode</td>
<td>Integer</td>
<td>Master instance deployment mode. Value range: 0 (single-AZ), 1 (multi-AZ)</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>Instance AZ information in the format of &quot;ap-shanghai-1&quot;.</td>
</tr>
<tr>
<td>SlaveConfig</td>
<td>SlaveConfig</td>
<td>Configuration information of the slave database.</td>
</tr>
<tr>
<td>BackupConfig</td>
<td>BackupConfig</td>
<td>Configuration information of slave database 2 of a strong sync instance.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Querying the Configuration Information of a TencentDB Instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeDBInstanceConfig
&InstanceId=cdb-f35wr6w
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "SlaveConfig": {
      "ReplicationMode": "async",
      "Zone": "ap-guangzhou-3"
    },
    "ProtectMode": 0,
    "Zone": "ap-guangzhou-3",
    "DeployMode": 1
  }
}
```

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</tr>
</thead>
<tbody>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeDeployGroupList

Last updated: 2020-03-02 19:48:40

1. API Description

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

This API is used to query the list of placement groups of a user. You can specify the placement group ID or name.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDeployGroupList.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>DeployGroupId</td>
<td>No</td>
<td>String</td>
<td>ID of a placement group.</td>
</tr>
<tr>
<td>DeployGroupName</td>
<td>No</td>
<td>String</td>
<td>Name of a placement group.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of returned results. Default value: 20. Maximum value: 100.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Default value: 0.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>Integer</td>
<td>Number of eligible entries.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of DeployGroupInfo</td>
<td>List of returned results. Note: This field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Query the list of deploy groups
5. Developer Resources

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<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9003</td>
<td>Incorrect parameter.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
</tr>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.DeployGroupNotEmpty</td>
<td>There are resources in the placement group.</td>
</tr>
<tr>
<td>InvalidParameter.OverDeployGroupQuota</td>
<td>The quota of placement group resources has been exceeded.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotFound</td>
<td>The resource is not found.</td>
</tr>
<tr>
<td>OperationDenied.ActionNotSupport</td>
<td>Unsupported operation.</td>
</tr>
</tbody>
</table>
DescribeDBInstanceGTID

1. API Description

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

This API (DescribeDBInstanceGTID) is used to query whether GTID is activated for a TencentDB instance. Instances on or below version 5.5 are not supported.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBInstanceGTID.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsGTIDOpen</td>
<td>Integer</td>
<td>GTID enablement flag. Value range: 0 (not enabled), 1 (enabled).</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying Whether GTID Is Activated for a TencentDB Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeDBInstanceGTID
&InstanceId=cdb-f35wr6wj
5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- API 3.0 Explorer

SDK

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- Tencent Cloud SDK 3.0 for Go
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- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeDBInstanceRebootTime

Last updated: 2020-03-23 14:59:26

1. API Description

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

This API (DescribeDBInstanceRebootTime) is used to query the estimated time needed for a TencentDB instance to restart.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBInstanceRebootTime.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible instances.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of InstanceRebootTime</td>
<td>Returned parameter information.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the Estimated Restart Time of a TencentDB Instance

Input Example
Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 1,
    "Items": [
      {
        "TimeInSeconds": 50,
        "InstanceId": "cdb-rozja3j"
      }
    ]
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeTagsOfInstanceId) is used to query the tag information of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeTagsOfInstanceId.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>List of instances.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offset</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>Limit</td>
<td>Integer</td>
<td>Number of entries per page.</td>
</tr>
<tr>
<td>Rows</td>
<td>Array of TagsInfoOfInstance</td>
<td>Instance tag information.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

DescribeTagsOfInstanceId

Last updated: 2020-03-23 14:59:23
Example1 Obtaining the Instance Tag Information

Obtain the instance tag information.

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeTagsOfInstanceIds
&InstanceIds.0=cdb-uns231ns
&Offset=0
&Limit=10
&<common request parameters>
```

Output Example

```
{
 "Response": {
 "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
 "Offset": 0,
 "Limit": 10,
 "Rows": [
 {  
 "InstanceId": "cdb-uns231ns",
 "Tags": [
 {  
 "TagKey": "test",
 "TagValue": "1231"
 }
 ]
 ],
 }
 }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0
# 6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.CdbCgwError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InternalError.CosError</td>
<td>Failed to obtain file information.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
DescribeDBInstances
Last updated: 2020-03-23 14:59:26

1. API Description

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

This API (DescribeDBInstances) is used to query the list of TencentDB instances (which can be master, disaster recovery, or read-only instances). It supports filtering instances by project ID, instance ID, access address, and instance status.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBInstances.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>ProjectId</td>
<td>No</td>
<td>Integer</td>
<td>Project ID. You can use the project list querying API to query the project ID.</td>
</tr>
<tr>
<td>InstanceTypes.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Instance type. Value range: 1 (master), 2 (disaster recovery), 3 (read-only).</td>
</tr>
<tr>
<td>Vips.N</td>
<td>No</td>
<td>Array of String</td>
<td>Private IP address of the instance.</td>
</tr>
<tr>
<td>Status.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Instance status. Value range: 0 - creating, 1 - running, 4 - isolating, 5 - isolated (the instance can be restored and started in the recycle bin)</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned for a single request. Default value: 20. Maximum value: 2,000.</td>
</tr>
<tr>
<td>SecurityGroupId</td>
<td>No</td>
<td>String</td>
<td>Security group ID. When it is used as a filter, the WithSecurityGroup parameter should be set to 1.</td>
</tr>
<tr>
<td>PayTypes.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Billing method. Value range: 0 (monthly subscribed), 1 (hourly).</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Required</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>----------</td>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>InstanceNames.N</td>
<td>No</td>
<td>Array of String</td>
<td>Instance name.</td>
</tr>
<tr>
<td>TaskStatus.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Instance task status. Value range: 0 - no task, 1 - upgrading, 2 - importing data, 3 - activating slave, 4 - public network access enabled, 5 - batch operation in progress, 6 - rolling back, 7 - public network access not enabled, 8 - modifying password, 9 - renaming instance, 10 - restarting, 12 - migrating self-built instance, 13 - dropping table, 14 - creating and syncing disaster recovery instance, 15 - pending upgrade and switch, 16 - upgrade and switch in progress, 17 - upgrade and switch completed</td>
</tr>
<tr>
<td>EngineVersions.N</td>
<td>No</td>
<td>Array of String</td>
<td>Version of the instance database engine. Value range: 5.1, 5.5, 5.6, 5.7.</td>
</tr>
<tr>
<td>VpcIds.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>VPC ID.</td>
</tr>
<tr>
<td>ZoneIds.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>AZ ID.</td>
</tr>
<tr>
<td>SubnetIds.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Subnet ID.</td>
</tr>
<tr>
<td>CdbErrors.N</td>
<td>No</td>
<td>Array of Integer</td>
<td>Lock flag.</td>
</tr>
<tr>
<td>OrderBy</td>
<td>No</td>
<td>String</td>
<td>Sort by field of the returned result set. Currently, supported values include &quot;InstanceId&quot;, &quot;InstanceName&quot;, &quot;CreateTime&quot;, and &quot;DeadlineTime&quot;.</td>
</tr>
<tr>
<td>OrderDirection</td>
<td>No</td>
<td>String</td>
<td>Sorting method of the returned result set. Currently, &quot;ASC&quot; or &quot;DESC&quot; is supported.</td>
</tr>
<tr>
<td>WithSecurityGroup</td>
<td>No</td>
<td>Integer</td>
<td>Whether security group ID is used as a filter</td>
</tr>
<tr>
<td>WithExCluster</td>
<td>No</td>
<td>Integer</td>
<td>Whether dedicated cluster details are included. Value range: 0 (not included), 1 (included)</td>
</tr>
<tr>
<td>ExClusterId</td>
<td>No</td>
<td>String</td>
<td>Exclusive cluster ID.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>No</td>
<td>Array of String</td>
<td>Instance ID.</td>
</tr>
</tbody>
</table>
### Parameter Name | Required | Type | Description
---|---|---|---
InitFlag | No | Integer | Initialization flag. Value range: 0 (not initialized), 1 (initialized).
WithDr | No | Integer | Whether instances corresponding to the disaster recovery relationship are included. Valid values: 0 (not included), 1 (included). Default value: 1. If a master instance is pulled, the data of the disaster recovery relationship will be in the `DrInfo` field. If a disaster recovery instance is pulled, the data of the disaster recovery relationship will be in the `MasterInfo` field. The disaster recovery relationship contains only partial basic data. To get the detailed data, you need to call an API to pull it.
WithRo | No | Integer | Whether read-only instances are included. Valid values: 0 (not included), 1 (included). Default value: 1.
WithMaster | No | Integer | Whether master instances are included. Valid values: 0 (not included), 1 (included). Default value: 1.
DeployGroupIds.N | No | Array of String | Placement group ID list.

### 3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible instances.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of <code>InstanceInfo</code></td>
<td>Instance details.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

### 4. Example

**Example1 Querying the List of Instances**

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=DescribeDBInstances
&InstanceIds.0=cdb-70zdmgg1
&<common request parameters>
```

**Output Example**

```json
{
  "Response": {
    "TotalCount": 1,
    "RequestId": "756bb037-a44a-4b4f-abe0-6efd34a6c792",
    "Items": [
      {
        "WanStatus": 0,
        "Zone": "ap-chengdu-1",
        "InitFlag": 1,
```
"Memory": 1000,
"Status": 1,
"VpcId": 511512,
"SlaveInfo": {
  "First": {
    "Vip": "",
    "Region": "ap-chengdu",
    "Vport": 0,
    "Zone": "ap-chengdu-1"
  }
},
"InstanceId": "cdb-70zdmgg1",
"Volume": 50,
"AutoRenew": 0,
"ProtectMode": 0,
"RoGroups": [
  {
    "RoInstances": [
      {
        "Status": 1,
        "VpcId": 511512,
        "InstanceType": 3,
        "Zone": "ap-chengdu-1",
        "Ops": 1000,
        "InstanceId": "cdbro-3i70uj0k",
        "Region": "ap-chengdu",
        "DeadlineTime": "0000-00-00 00:00:00",
        "PayType": 1,
        "TaskStatus": 0,
        "Volume": 50,
        "EngineVersion": "5.6",
        "DeviceType": "CUSTOM",
        "Memory": 1000,
        "SubnetId": 115839,
        "Vip": "172.16.0.11",
        "Vport": 3306,
        "InstanceName": "cdb_ro_103608",
        "HourFeeStatus": 1
      }
    ],
    "MinRoInGroup": 1,
    "Vip": "172.16.0.11",
    "RoGroupName": "ro_group_103608",
    "Vport": 3306,
    "WeightMode": "system",
    "RoGroupId": "cdbrg-3i70uj0k",
    "RoMaxDelayTime": 1
  },
  {
    "RoInstances": [
      {
        "Status": 1,
        "VpcId": 511512,
        "InstanceType": 3,
        "Zone": "ap-chengdu-1",
        "Ops": 1000,
        "InstanceId": "cdbro-6scijza8",
        "Region": "ap-chengdu",
        "DeadlineTime": "0000-00-00 00:00:00",
        "PayType": 1,
        "TaskStatus": 0,
        "Volume": 25,
5. Developer Resources

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6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DesError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
DescribeTimeWindow

Last updated: 2020-03-23 14:59:23

1. API Description

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

This API (DescribeTimeWindow) is used to query the maintenance time window of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeTimeWindow.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Monday.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Tuesday.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Wednesday.</td>
</tr>
<tr>
<td>Thursday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Thursday.</td>
</tr>
<tr>
<td>Friday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Friday.</td>
</tr>
<tr>
<td>Saturday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Saturday.</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Sunday</td>
<td>Array of String</td>
<td>List of maintenance time windows on Sunday.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

### 4. Example

**Example1 Querying a Maintenance Time Window**

**Input Example**

```text
https://cdb.tencentcloudapi.com/?Action=DescribeTimeWindow
&InstanceId=cdb-eb2w7dto
&<common request parameters>
```

**Output Example**

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "Monday": ["19:00-20:00"],
    "Tuesday": ["18:00-20:00"],
    "Friday": ["18:00-20:00"],
    "Wednesday": ["18:00-20:00"],
    "Thursday": ["18:00-20:00"],
    "Sunday": ["18:00-20:00", "21:30-22:00"],
    "Saturday": ["18:00-20:00"]
  }
}
```

### 5. Developer Resources

**API Explorer**

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
DescribeDBSwitchRecords

1. API Description

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

This API (DescribeDBSwitchRecords) is used to query the instance switch records.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBSwitchRecords.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of entries per page. Value range: 1-2,000. Default value: 50.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of instance switches.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of DBSwitchInfo</td>
<td>Details of instance switches.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying Instance Switch Records
5. Developer Resources

API Explorer

This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- API 3.0 Explorer

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 NodeJS
- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
DescribeDBZoneConfig

1. API Description

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

This API (DescribeDBZoneConfig) is used to query the specifications of TencentDB instances purchasable in a region.

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

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeDBZoneConfig.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>No</td>
<td>String</td>
<td>Common parameter. This parameter is not required for this API.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of configurations in purchasable regions</td>
</tr>
<tr>
<td>Items</td>
<td>Array of RegionSellConf</td>
<td>Details of configurations in purchasable regions</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying the Specifications of Purchasable TencentDB Instances

Input Example

https://cdb.tencentcloudapi.com/?Action=DescribeDBZoneConfig
&<common request parameters>

Output Example

```json
{
  "Response": {
    "TotalCount": 17,
```
"Items": [
  
  "RegionName": "Guangzhou",
  "Area": "South China",
  "IsDefaultRegion": 0,
  "Region": "ap-guangzhou",
  "ZonesConf": [
    
    "Status": 1,
    "ZoneName": "Guangzhou Zone 2",
    "IsCustom": true,
    "IsSupportDr": true,
    "IsSupportVpc": true,
    "HourInstanceSaleMaxNum": 30,
    "IsDefaultZone": false,
    "IsRbm": false,
    "PayType": [
      "0",
      "1",
      "2"
    ],
    "DrZone": [
      "ap-shanghai-1",
      "ap-shanghai-2",
      "ap-beijing-1",
      "ap-beijing-2",
      "ap-guangzhou-open-1",
      "ap-guangzhou-3",
      "ap-guangzhou-4",
      "ap-chengdu-1",
      "ap-chengdu-2"
    ],
    "ProtectMode": [
      "0",
      "1",
      "2"
    ],
    "ZoneConf": {
      "DeployMode": [0],
      "MasterZone": ["ap-guangzhou-2"],
      "SlaveZone": ["ap-guangzhou-2"],
      "BackupZone": ["ap-guangzhou-2"],
      "Zone": "ap-guangzhou-2",
      "SellType": [
        
        "TypeName": "Z3",
        "EngineVersion": [
          "5.5",
          "5.6",
          "5.7"
        ],
        "Configs": [
          
        ]
    }
  ]
]
<table>
<thead>
<tr>
<th>Device</th>
<th>Type</th>
<th>CdbType</th>
<th>Memory</th>
<th>Cpu</th>
<th>VolumeMin</th>
<th>VolumeMax</th>
<th>VolumeStep</th>
<th>Connection</th>
<th>Qps</th>
<th>Iops</th>
<th>Info</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>1000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>1000</td>
<td>0</td>
<td>Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>2000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>2400</td>
<td>0</td>
<td>Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>4000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>4400</td>
<td>0</td>
<td>Medium-sized games with hundreds of thousands of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>8000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>7200</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Device</td>
<td>Type</td>
<td>CdbType</td>
<td>Memory</td>
<td>Cpu</td>
<td>VolumeMin</td>
<td>VolumeMax</td>
<td>VolumeStep</td>
<td>Connection</td>
<td>Ops</td>
<td>Iops</td>
<td>Info</td>
<td>Status</td>
</tr>
<tr>
<td>--------</td>
<td>--------------</td>
<td>---------</td>
<td>--------</td>
<td>-----</td>
<td>-----------</td>
<td>-----------</td>
<td>------------</td>
<td>------------</td>
<td>-------</td>
<td>------</td>
<td>----------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>16000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>18000</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>32000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>25000</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>64000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>37689</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>96000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>40919</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>128000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>40919</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
</tbody>
</table>
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 61378,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 244000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 122755,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 488000,
"Cpu": 0,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 245509,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
}]
]}
],
{
"Status": 1,
"ZoneName": "Guangzhou Zone 3",
"IsCustom": true,
"IsSupportDr": true,
"IsSupportVpc": true,
"HourInstanceSaleMaxNum": 30,
"IsDefaultZone": false,
"IsBm": false,
"PayType": [
"0",
"1"
],
"DrZone": [
"ap-shanghai-1",
"ap-shanghai-2",
"ap-beijing-1",
"ap-beijing-2"
"ap-guangzhou-open-1",
"ap-guangzhou-2",
"ap-guangzhou-4",
"ap-seoul-1",
"ap-chengdu-1",
"ap-chengdu-2"
],
"ProtectMode": [  
"0",
"1",
"2"
],
"ZoneConf": {  
"DeployMode": [  
0
],
"MasterZone": [  
"ap-guangzhou-3"
],
"SlaveZone": [  
"ap-guangzhou-3"
],
"BackupZone": [  
"ap-guangzhou-3"
],
"Zone": "ap-guangzhou-3",
"SellType": [  
{  
"TypeName": "Z3",
"EngineVersion": [  
"5.5",
"5.6",
"5.7"
],
"Configs": [  
{  
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"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 1000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 1000,
"Iops": 0,
"Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
"Status": 0
},
{  
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 2000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 2400,
```
"Iops": 0,
"Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 4000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 4400,
"Iops": 0,
"Info": "Medium-sized games with hundreds of thousands of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 7200,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 16000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 18000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 32000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 25000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
```

{  "Device": "Z3",  "Type": "HA edition",  "CdbType": "CUSTOM",  "Memory": 488000,  "Cpu": 0,  "VolumeMin": 6000,  "VolumeMax": 6000,  "VolumeStep": 5,  "Connection": 0,  "Ops": 245509,  "Iops": 0,  "Info": "Large games with millions of daily active users",  "Status": 0}
]
]
],
{  "Status": 4,  "ZoneName": "Guangzhou Zone 1",  "IsCustom": true,  "IsSupportDr": false,  "IsSupportVpc": true,  "HourInstanceSaleMaxNum": 30,  "IsDefaultZone": false,  "IsBm": false,  "PayType": [  "0",  "1",  "2"  ],  "ProtectMode": [  "0",  "1",  "2"  ],  "ZoneConf": {  "DeployMode": [  0  ],  "MasterZone": [  "ap-guangzhou-1"  ],  "SlaveZone": [  "ap-guangzhou-1"  ],  "BackupZone": [  "ap-guangzhou-1"  ],  "Zone": "ap-guangzhou-1",  "SellType": [  {  "TypeName": "Z3",  "EngineVersion": [  "5.5",  "5.6",  "5.7"  ]  },  "Configs": ["
```json
[
  {
    "Device": "Z3",
    "Type": "HA edition",
    "CdbType": "CUSTOM",
    "Memory": 360,
    "Cpu": 0,
    "VolumeMin": 10,
    "VolumeMax": 500,
    "VolumeStep": 5,
    "Connection": 0,
    "Qps": 120,
    "Iops": 0,
    "Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
    "Status": 0
  },
  {
    "Device": "Z3",
    "Type": "HA edition",
    "CdbType": "CUSTOM",
    "Memory": 1000,
    "Cpu": 0,
    "VolumeMin": 25,
    "VolumeMax": 500,
    "VolumeStep": 5,
    "Connection": 0,
    "Qps": 1000,
    "Iops": 0,
    "Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
    "Status": 0
  },
  {
    "Device": "Z3",
    "Type": "HA edition",
    "CdbType": "CUSTOM",
    "Memory": 2000,
    "Cpu": 0,
    "VolumeMin": 25,
    "VolumeMax": 500,
    "VolumeStep": 5,
    "Connection": 0,
    "Qps": 2400,
    "Iops": 0,
    "Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
    "Status": 0
  },
  {
    "Device": "Z3",
    "Type": "HA edition",
    "CdbType": "CUSTOM",
    "Memory": 4000,
    "Cpu": 0,
    "VolumeMin": 25,
    "VolumeMax": 1000,
    "VolumeStep": 5,
    "Connection": 0,
    "Qps": 4400,
    "Iops": 0,
    "Info": "Medium-sized games with hundreds of thousands of daily active users",
    "Status": 0
  },
  {
    "Device": "Z3",
    "Type": "HA edition",
    "CdbType": "CUSTOM",
    "Memory": 8000,
    "Cpu": 0,
    "VolumeMin": 50,
    "VolumeMax": 2000,
    "VolumeStep": 5,
    "Connection": 0,
    "Qps": 8800,
    "Iops": 0,
    "Info": "Large-scale games with millions of daily active users",
    "Status": 0
  }
]
```
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 1000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 7200,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 12000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 1000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 15000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 16000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 1000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 18000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 24000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 1000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 23000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 30000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 1000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 28000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
}
"Memory": 48000,
"Cpu": 0,
"VolumeMin": 1000,
"VolumeMax": 1000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 37000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
}
]

{
"Status": 2,
"ZoneName": "Guangzhou Zone 4",
"IsCustom": true,
"IsSupportDr": true,
"IsSupportVpc": true,
"HourInstanceSaleMaxNum": 30,
"IsDefaultZone": true,
"IsBm": false,
"PayType": ["0", "1", "2"],
"ProtectMode": ["0", "1", "2"],
"ZoneConf": {
"DeployMode": [0],
"MasterZone": ["ap-guangzhou-4"],
"SlaveZone": ["ap-guangzhou-4"],
"BackupZone": ["ap-guangzhou-4"]}
}
"Zone": "ap-guangzhou-4",
"SellType": [ 
{
"TypeName": "Z3",
"EngineVersion": [ 
"5.5",
"5.6",
"5.7"
],
"Configs": [ 
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 1000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 1000,
"Iops": 0,
"Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 2000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 2400,
"Iops": 0,
"Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 4000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 4400,
"Iops": 0,
"Info": "Medium-sized games with hundreds of thousands of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 0,
"VolumeMin": 25,
<table>
<thead>
<tr>
<th>Device</th>
<th>Type</th>
<th>CdbType</th>
<th>Memory</th>
<th>Cpu</th>
<th>VolumeMin</th>
<th>VolumeMax</th>
<th>VolumeStep</th>
<th>Connection</th>
<th>Qps</th>
<th>Iops</th>
<th>Info</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>16000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>7200</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>32000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>18000</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>36000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>25000</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>64000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>37689</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
<tr>
<td>Z3</td>
<td>HA edition</td>
<td>CUSTOM</td>
<td>96000</td>
<td>0</td>
<td>25</td>
<td>3000</td>
<td>5</td>
<td>0</td>
<td>37689</td>
<td>0</td>
<td>Large games with millions of daily active users</td>
<td>0</td>
</tr>
</tbody>
</table>
"Connection": 0,
"Qps": 40919,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
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"Cpu": 0,
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"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 61378,
"Iops": 0,
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"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 244000,
"Cpu": 0,
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"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 122755,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 488000,
"Cpu": 0,
"VolumeMin": 6000,
"VolumeMax": 6000,
"VolumeStep": 5,
"Connection": 0,
"Qps": 245509,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
}
]}
]
]}
],
{
"RegionName": "Bangkok",
"Area": "Asia Pacific",
"IsDefaultRegion": 0,
"Region": "ap-bangkok"}
"ZonesConf": [
  {
    "Status": 2,
    "ZoneName": "Bangkok Zone 1",
    "IsCustom": true,
    "IsSupportDr": true,
    "IsSupportVpc": true,
    "HourInstanceSaleMaxNum": 30,
    "IsDefaultZone": true,
    "IsBm": false,
    "PayType": [
      "0",
      "1"
    ],
    "DrZone": [
      "ap-guangzhou-4"
    ],
    "ProtectMode": [
      "0",
      "1",
      "2"
    ],
    "ZoneConf": {
      "DeployMode": [0],
      "MasterZone": [
        "ap-bangkok-1"
      ],
      "SlaveZone": [
        "ap-bangkok-1"
      ],
      "BackupZone": [
        "ap-bangkok-1"
      ],
      "Zone": "ap-bangkok-1",
      "SellType": [
        {
          "TypeName": "Z3",
          "EngineVersion": [
            "5.5",
            "5.6",
            "5.7"
          ],
          "Configs": [
            {
              "Device": "Z3",
              "Type": "HA edition",
              "CdbType": "CUSTOM",
              "Memory": 1000,
              "Cpu": 0,
              "VolumeMin": 25,
              "VolumeMax": 3000,
              "VolumeStep": 5,
              "Connection": 0,
              "Ops": 1000,
              "Tops": 0,
              "Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
              "Status": 0
            }
          ]
        }
      ]
    }
  },
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 2000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 2400,
"Iops": 0,
"Info": "Small games with tens of thousands of daily active users or tools/utilities with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 4000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 4400,
"Iops": 0,
"Info": "Medium-sized games with hundreds of thousands of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 8000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 7200,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 16000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 18000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
}
"CdbType": "CUSTOM",
"Memory": 32000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 25000,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 64000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 37689,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 96000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 40919,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 128000,
"Cpu": 0,
"VolumeMin": 25,
"VolumeMax": 3000,
"VolumeStep": 5,
"Connection": 0,
"Ops": 61378,
"Iops": 0,
"Info": "Large games with millions of daily active users",
"Status": 0
},
{
"Device": "Z3",
"Type": "HA edition",
"CdbType": "CUSTOM",
"Memory": 244000,
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
ModifyAutoRenewFlag

Last updated: 2020-03-23 14:59:21

1. API Description

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

This API is used to modify the auto-renewal flag of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyAutoRenewFlag.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>AutoRenew</td>
<td>Yes</td>
<td>Integer</td>
<td>Auto-renewal flag. Value range: 0 (auto-renewal not enabled), 1 (auto-renewal enabled).</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Modifying the Auto-Renewal Flag of a TencentDB Instance

Input Example

```
https://cdb.tencentcloudapi.com/?Action=ModifyAutoRenewFlag
&InstanceIds.0=cdb-f35wr6wj
```
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
InitDBInstances
Last updated: 2020-03-23 14:59:22

1. API Description

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

This API (InitDBInstances) is used to initialize instances, including their password, default character set, and instance port number.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: InitDBInstances.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>NewPassword</td>
<td>Yes</td>
<td>String</td>
<td>New password of the instance. Rule: It can only contain 8-64 characters and must contain at least two of the following types of characters: letters, digits, and special characters (@#$%^&amp;*()).</td>
</tr>
<tr>
<td>Parameters.N</td>
<td>Yes</td>
<td>Array of ParamInfo</td>
<td>List of instance parameters. Currently, &quot;character_set_server&quot; and &quot;lower_case_table_names&quot; are supported, whose value ranges are [utf8&quot;,&quot;,latin1&quot;,&quot;,gbk&quot;,&quot;,utf8mb4&quot;] and [&quot;0&quot;,&quot;,1&quot;], respectively.</td>
</tr>
<tr>
<td>Vport</td>
<td>No</td>
<td>Integer</td>
<td>Instance port. Value range: [1024, 65535].</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestIds</td>
<td>Array of String</td>
<td>Array of async task request IDs, which can be used to query the execution results of async tasks.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

Example1 Initializing New Instances

Input Example

```
https://cdb.tencentcloudapi.com/?Action=InitDBInstances
&InstanceId.0=cdb-f35wr6wj
&NewPassword=Gx18ux23F^X
&Parameters.0.name=lower_case_table_names
&Parameters.0.value=1
&Parameters.1.name=character_set_server
&Parameters.1.value=utf8
&<common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestIds": [
      "8cd119d4-61ba-11e7-aeff-018cfa1f5560"
    ]
  }
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.
<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>

```
1. API Description

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

This API is used to isolate a TencentDB instance, which will no longer be accessible via IP and port. The isolated instance can be started up in the recycle bin. If it is isolated due to arrears, please top up your account as soon as possible.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: IsolateDBInstance.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task. (This returned field has been disused. You can query the isolation status of an instance through the DescribeDBInstances API.) Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Isolating TencentDB instance

Input Example
Output Example

```
{
  "Response": {
    "AsyncRequestId": "e48eb1e9-0ca0ecae-c0dac9c7-60d12864",
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

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<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.ActionNotSupport</td>
<td>Unsupported operation.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
ModifyDBInstanceName

Last updated: 2020-03-23 14:59:20

1. API Description

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

This API (ModifyDBInstanceName) is used to rename a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyDBInstanceName.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>InstanceName</td>
<td>Yes</td>
<td>String</td>
<td>Instance name.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example 1 Renaming a TencentDB Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceName
&InstanceId=cdb-f35wr6wj
Output Example

```json
{
  "Response": {
    "RequestId": "1a42feb9-82087f71-6a0831ac-699a92a8"
  }
}
```

5. Developer Resources

**API Explorer**

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- Tencent Cloud SDK 3.0 for NodeJS
- Tencent Cloud SDK 3.0 for .NET

**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](#).

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (ModifyInstanceTag) is used to add, modify, or delete an instance tag.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyInstanceTag.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
<tr>
<td>ReplaceTags.N</td>
<td>No</td>
<td>Array of TagInfo</td>
<td>Tag to be added or modified.</td>
</tr>
<tr>
<td>DeleteTags.N</td>
<td>No</td>
<td>Array of TagInfo</td>
<td>Tag to be deleted.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Modifying or Deleting an Instance Tag**

This API is used to add, modify, or delete an instance tag.

**Input Example**
5. Developer Resources

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- Tencent Cloud SDK 3.0 for NodeJS
- Tencent Cloud SDK 3.0 for .NET

**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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>CdbError:BackupError</td>
<td>Backup error.</td>
</tr>
<tr>
<td>CdbError:DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>CdbError:ImportError</td>
<td>Import task error.</td>
</tr>
<tr>
<td>CdbError:TaskError</td>
<td>Backend task error.</td>
</tr>
<tr>
<td>InternalError:CosError</td>
<td>Failed to obtain file information.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotFound</td>
<td>The resource is not found.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to update the information of a TencentDB RO group, such as configuring an instance removal policy in case of excessive delay and setting read weights of RO instances.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyRoGroupInfo.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>RoGroupId</td>
<td>Yes</td>
<td>String</td>
<td>RO group ID.</td>
</tr>
<tr>
<td>RoGroupInfo</td>
<td>No</td>
<td>RoGroupAttr</td>
<td>RO group details.</td>
</tr>
<tr>
<td>RoWeightValues.N</td>
<td>No</td>
<td>Array of RoWeightValue</td>
<td>Weights of instances in RO group. If the weighting mode of an RO group is changed to custom mode, this parameter must be set, and a weight value needs to be set for each RO instance.</td>
</tr>
<tr>
<td>IsBalanceRoLoad</td>
<td>No</td>
<td>Integer</td>
<td>Whether to rebalance the loads of RO instances in the RO group. Supported values include 1 (yes) and 0 (no). The default value is 0. Please note that if this value is set to 1, connections to the RO instances in the RO group will be interrupted transiently; therefore, you should ensure that your application can reconnect to the databases.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example
Example 1 Configuring instance removal policy for RO group

Input Example

```text
https://cdb.tencentcloudapi.com/?Action=ModifyRoGroupInfo
&RoGroupId=cdbrg-iup41a4t
&RoGroupIdInfo.RoOfflineDelay=1
&RoGroupIdInfo.RoMaxDelayTime=10
&RoGroupIdInfo.MinRoInGroup=1
&<Common request parameters>
```

Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

Example 2 Rebalancing the weights of instances in RO group

Input Example

```text
https://cdb.tencentcloudapi.com/?Action=ModifyRoGroupInfo
&RoGroupId=cdbrg-iup41a4t
&RoGroupIdInfo.WeightMode=custom
&RoWeightValues.0.InstanceId=cdbr0-iup41a4t
&RoWeightValues.0.Weight=30
&RoWeightValues.1.InstanceId=cdbr0-test1234
&RoWeightValues.1.Weight=70
&IsBalanceRoLoad=1
&<Common request parameters>
```

Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
  }
}
```

5. Developer Resources

API Explorer

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6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to modify the name or description of a placement group.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyNameOrDescByDplId.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>DeployGroupId</td>
<td>Yes</td>
<td>String</td>
<td>ID of a placement group.</td>
</tr>
<tr>
<td>DeployGroupName</td>
<td>No</td>
<td>String</td>
<td>Name of a placement group, which can contain up to 60 characters. The placement group name and description cannot both be empty.</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>String</td>
<td>Description of a placement group, which can contain up to 200 characters. The placement group name and description cannot both be empty.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Modifying the name or description of a placement group**

**Input Example**

https://cdb.tencentcloudapi.com/?Action=ModifyNameOrDescByDplId&DeployGroupName=cdb-ezq1vzem&Description=test&DeployGroupId=test
5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.DeployGroupNotEmpty</td>
<td>There are resources in the placement group.</td>
</tr>
<tr>
<td>InvalidParameter.OverDeployGroupQuota</td>
<td>The quota of placement group resources has been exceeded.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotFound</td>
<td>The resource is not found.</td>
</tr>
</tbody>
</table>
ModifyDBInstanceProject

Last updated: 2020-03-23 14:59:20

1. API Description

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

This API (ModifyDBInstanceProject) is used to modify the project to which a TencentDB instance belongs.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyDBInstanceProject.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Array of instance IDs in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>NewProjectId</td>
<td>No</td>
<td>Integer</td>
<td>Project ID.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Modifying the Project to Which an Instance Belongs

Input Example

https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceProject
&InstanceIds.0=cdb-f35wr6wj
Output Example

```
{
  "Response": {
    "RequestId": "1a42feb9-82087f71-6a0831ac-699a92a8"
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
ModifyTimeWindow

1. API Description

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

This API (ModifyTimeWindow) is used to update the maintenance time window of a TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyTimeWindow.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>TimeRanges.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Time period available for maintenance after modification in the format of 10:00-12:00. Each period lasts from half an hour to three hours, with the start time and end time aligned by half-hour. Up to two time periods can be set. Start and end time range: [00:00, 24:00].</td>
</tr>
<tr>
<td>Weekdays.N</td>
<td>No</td>
<td>Array of String</td>
<td>Specifies for which day to modify the time period. Value range: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday. If it is not specified or is left blank, the time period will be modified for every day by default.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Updating a maintenance time window
5. Developer Resources

API Explorer

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- API 3.0 Explorer

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (ModifyDBInstanceVipVport) is used to modify the IP and port number of a TencentDB instance, switch from the basic network to VPC, or change VPC subnets.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ModifyDBInstanceVipVport.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>DstIp</td>
<td>No</td>
<td>String</td>
<td>Destination IP. Either this parameter or DstPort must be passed in.</td>
</tr>
<tr>
<td>DstPort</td>
<td>No</td>
<td>Integer</td>
<td>Destination port number. Value range: [1024-65535]. Either this parameter or DstIp must be passed in.</td>
</tr>
<tr>
<td>UniqVpcId</td>
<td>No</td>
<td>String</td>
<td>Unified VPC ID</td>
</tr>
<tr>
<td>UniqSubnetId</td>
<td>No</td>
<td>String</td>
<td>Unified subnet ID.</td>
</tr>
<tr>
<td>ReleaseDuration</td>
<td>No</td>
<td>Integer</td>
<td>Repossession duration in hours for old IP in the original network when changing from the basic network to VPC or changing the VPC subnet. Value range: 0–168 hours. Default value: 24 hours.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task ID. (This returned field has been disused) Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Modifying the IP and port number of TencentDB instance**

**Input Example**

```plaintext
https://cdb.tencentcloudapi.com/?Action=ModifyDBInstanceVipVport
&InstanceId=cdb-f35wr6wj
&DstIp=10.0.1.1
&DstPort=1025
&UniqVpcId=11357
&UniqSubnetId=23789
&ReleaseDuration=12
<br>&<Common request parameters>
```

**Output Example**

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "d2baf2fca-cb6a57f-7dd8736-9cbe3e31"
  }
}
```

5. Developer Resources

**API Explorer**

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- API 3.0 Explorer

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- Tencent Cloud SDK 3.0 for .NET

**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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
OpenDBInstanceGTID

Last updated: 2020-03-23 14:59:15

1. API Description

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

This API (OpenDBInstanceGTID) is used to enable GTID for a TencentDB instance. Only instances on or above version 5.6 are supported.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: OpenDBInstanceGTID.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Enabling GTID for an Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=OpenDBInstanceGTID
&InstanceId=cdb-f35wr6wj
&<common request parameters>
5. Developer Resources

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Command Line Interface
- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (OfflineIsolatedInstances) is used to deactivate isolated TencentDB instances immediately. The instances must be in isolated status, i.e., their Status value is 5 in the return of the instance list querying API.

This is an asynchronous API. There may be a delay in repossessing some resources. You can query the details by using the instance list querying API and specifying the InstanceId and the Status value as [5, 6, 7]. If the returned instance is empty, then all its resources have been released.

Note that once an instance is deactivated, its resources and data will not be recoverable. Please do so with caution.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: OfflineIsolatedInstances.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Deactivating Isolated TencentDB Instances

Input Example
5. Developer Resources

API Explorer

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (OpenWanService) is used to enable public network access for an instance.

Note that before enabling public network access, you need to first initialize the instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: OpenWanService.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Enabling Public Network Access for an Instance**

**Input Example**
5. Developer Resources

API Explorer
This tool allows online call, signature authentication, SDK code generation and quick search of APIs to greatly improve the efficiency of using TencentCloud APIs.

- API 3.0 Explorer

SDK
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Command Line Interface
- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.ActionNotSupport</td>
<td>Unsupported operation.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to deisolate an isolated TencentDB instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: ReleaseIsolatedDBInstances.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Array of instance IDs in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the DescribeDBInstances API to query the ID, whose value is the InstanceId value in the output parameters.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Items</td>
<td>Array of ReleaseResult</td>
<td>Deisolation result set.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Deisolating TencentDB instance**

**Input Example**

https://cdb.tencentcloudapi.com/?Action=ReleaseIsolatedDBInstances
&InstanceIds.0=cdb-f35wr6wj
5. Developer Resources

API Explorer

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (RestartDBInstances) is used to restart TencentDB instances.

Note:
1. This API only supports restarting master instances.
2. The instance status must be normal, and no other async tasks are in progress.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: RestartDBInstances.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Array of instance IDs in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Restarting Instances

Input Example
https://cdb.tencentcloudapi.com/?Action=RestartDBInstances
&InstanceId.0=cdb-f35wr6wj
&<common request parameters>

Output Example

```json
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "9ad9c2d5-88007b27-7d2c8b8c-f2598f12"
  }
}
```

5. Developer Resources

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.TaskFrameError</td>
<td>Async task error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
SwitchForUpgrade

Last updated: 2020-03-23 14:59:13

1. API Description

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

This API (SwitchForUpgrade) is used to switch to a new instance. You can initiate this process when the master instance being upgraded is pending switch.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: SwitchForUpgrade.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Switching to a New Instance

Input Example

https://cdb.tencentcloudapi.com/?Action=SwitchForUpgrade
&InstanceId=cdb-eb2w7dto
&<common request parameters>
Output Example

```json
{
    "Response": {
        "RequestId": "1a42feb9-82087f17-6a031ac-699a92a8"
    }
}
```

5. Developer Resources

**API Explorer**

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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>InternalError.DatabaseError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API is used to upgrade or downgrade a TencentDB instance, which can be a master instance, disaster recovery instance, or read-only instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: UpgradeDBInstance.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of <code>cdb-c1nl9rpv</code> or <code>cdbro-c1nl9rpv</code>. It is the same as the instance ID displayed on the TencentDB Console page. You can use the DescribeDBInstances API to query the ID, whose value is the <code>InstanceId</code> value in output parameters.</td>
</tr>
<tr>
<td>Memory</td>
<td>Yes</td>
<td>Integer</td>
<td>Memory size in MB after upgrade. To ensure that the <code>Memory</code> value to be passed in is valid, please use the DescribeDBZoneConfig API to query the specifications of the memory that can be upgraded to.</td>
</tr>
<tr>
<td>Volume</td>
<td>Yes</td>
<td>Integer</td>
<td>Disk size in GB after upgrade. To ensure that the <code>Volume</code> value to be passed in is valid, please use the DescribeDBZoneConfig API to query the specifications of the disk that can be upgraded to.</td>
</tr>
<tr>
<td>ProtectMode</td>
<td>No</td>
<td>Integer</td>
<td>Data replication mode. Valid values: 0 (async), 1 (semi-sync), 2 (strong sync). This parameter can be specified when upgrading master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>DeployMode</td>
<td>No</td>
<td>Integer</td>
<td>Deployment mode. Valid values: 0 (single-AZ), 1 (multi-AZ). Default value: 0. This parameter can be specified when upgrading master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>SlaveZone</td>
<td>No</td>
<td>String</td>
<td>AZ information of slave database 1, which is the <code>Zone</code> value of the instance by default. This parameter can be specified when upgrading master instances in multi-AZ mode and is meaningless for read-only or disaster recovery instances. You can use the DescribeDBZoneConfig API to query the supported AZs.</td>
</tr>
</tbody>
</table>
### Parameter Reference

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EngineVersion</td>
<td>No</td>
<td>String</td>
<td>Version of master instance database engine. Valid values: 5.5, 5.6, 5.7.</td>
</tr>
<tr>
<td>WaitSwitch</td>
<td>No</td>
<td>Integer</td>
<td>Mode of switch to new instance. Valid values: 0 (switch immediately), 1 (switch within a time window). Default value: 0. If the value is 1, the switch process will be performed within a time window. Or, you can call the <code>SwitchForUpgrade</code> API to trigger the process.</td>
</tr>
<tr>
<td>BackupZone</td>
<td>No</td>
<td>String</td>
<td>AZ information of slave database 2, which is empty by default. This parameter can be specified when upgrading master instances and is meaningless for read-only or disaster recovery instances.</td>
</tr>
<tr>
<td>InstanceRole</td>
<td>No</td>
<td>String</td>
<td>Instance type. Valid values: master (master instance), dr (disaster recovery instance), ro (read-only instance). Default value: master.</td>
</tr>
</tbody>
</table>

### 3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DealIds</td>
<td>Array of String</td>
<td>Order ID.</td>
</tr>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

### 4. Example

**Example1 Upgrading TencentDB instance**

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=UpgradeDBInstance
&InstanceId=cdb-6si6y6p
&Memory=1000
&Volume=50
&<Common request parameters>
```

**Output Example**

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "DealIds": ["20171204110077"],
    "AsyncRequestId": "a6040589-3b098df5-b551d9e5-81c6bfde"
  }
}
```
5. Developer Resources

**API Explorer**
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**Command Line Interface**

- Tencent Cloud CLI 3.0

6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.TradeError</td>
<td>Transaction system error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
</tbody>
</table>
UpgradeDBInstanceEngineVersion

Last updated: 2020-03-23 14:59:12

1. API Description

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

This API (UpgradeDBInstanceEngineVersion) is used to upgrade the version of a TencentDB instance, which can be a master instance, disaster recovery instance, or read-only instance.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: UpgradeDBInstanceEngineVersion.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv or cdbro-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page. You can use the instance list querying API to query the ID, whose value is the InstanceId value in output parameters.</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>Yes</td>
<td>String</td>
<td>Version of master instance database engine. Value range: 5.6, 5.7</td>
</tr>
<tr>
<td>WaitSwitch</td>
<td>No</td>
<td>Integer</td>
<td>Mode of switch to a new instance. Value range: 0 (switch immediately), 1 (switch within a time window). Default value: 0. If the value is 1, the switch process will be performed within a time window. Or, you can call the switching to new instance API to trigger the process.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task ID.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

**Example1 Upgrading the Version of a TencentDB Instance**

**Input Example**

```
&InstanceId=cdb-8qrg9t04
&EngineVersion=5.7
&<common request parameters>
```

**Output Example**

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "AsyncRequestId": "d2baf2fb-cbae62df-7dd0d736-9c0d0e31"
  }
}
```

5. Developer Resources

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<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.TradeError</td>
<td>Transaction system error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
</tbody>
</table>
Log APIs

DescribeErrorLogData

Last updated : 2020-04-23 18:53:08

1. API Description

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

This API is used to query the details of instance error logs by search criteria. You can only query error logs within a month.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeErrorLogData.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
<tr>
<td>StartTime</td>
<td>Yes</td>
<td>Integer</td>
<td>Start timestamp.</td>
</tr>
<tr>
<td>EndTime</td>
<td>Yes</td>
<td>Integer</td>
<td>End timestamp.</td>
</tr>
<tr>
<td>KeyWords.N</td>
<td>No</td>
<td>Array of String</td>
<td>List of keywords to match. Up to 15 keywords are supported.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned per page. Maximum value: 400.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Default value: 0.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible entries.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of ErrlogItem</td>
<td>Returned result. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Parameter Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying instance error logs

Input Example

```
https://cdb.tencentcloudapi.com/?Action=DescribeErrorLogData
&InstanceId=cdb-c1nl9rpv
&StartTime=1585142640
&EndTime=1585142640
&KeyWords.0=keywords0
&Limit=400
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 1,
    "Items": [
      {
        "Content": "show master status",
        "Timestamp": 1585142640
      }
    ]
  }
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
DescribeSlowLogData

Last updated: 2020-04-23 18:53:07

1. API Description

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

This API is used to search for slow logs of an instance by criteria. You can only view slow logs within a month.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeSlowLogData.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
<tr>
<td>StartTime</td>
<td>Yes</td>
<td>Integer</td>
<td>Start timestamp.</td>
</tr>
<tr>
<td>EndTime</td>
<td>Yes</td>
<td>Integer</td>
<td>End timestamp.</td>
</tr>
<tr>
<td>UserHosts.N</td>
<td>No</td>
<td>Array of String</td>
<td>Client host list.</td>
</tr>
<tr>
<td>UserNames.N</td>
<td>No</td>
<td>Array of String</td>
<td>Client username list.</td>
</tr>
<tr>
<td>DataBases.N</td>
<td>No</td>
<td>Array of String</td>
<td>Accessed database list.</td>
</tr>
<tr>
<td>SortBy</td>
<td>No</td>
<td>String</td>
<td>Sort by field. Valid values: Timestamp, QueryTime, LockTime, RowsExamined, RowsSent.</td>
</tr>
<tr>
<td>OrderBy</td>
<td>No</td>
<td>String</td>
<td>Sorting order. Valid values: ASC (ascending), DESC (ascending).</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Offset. Default value: 0.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Number of results to be returned at a time. Maximum value: 400.</td>
</tr>
</tbody>
</table>

3. Output Parameters
<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible entries.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of</td>
<td>Queried results. Note: this field may return null, indicating that no valid</td>
</tr>
<tr>
<td></td>
<td>SlowLogItem</td>
<td>values can be obtained.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Querying instance slow logs by search criteria

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=DescribeSlowLogData
&InstanceId=cdb-c1nl9rpv
&StartTime=1585142640
&EndTime=1585142640
&UserName.0=userame0
&DataBases.0=database0
&UserHosts.0=userhosts0
&SortBy=RowsSent
&OrderBy=DESC
&Limit=400
&Offset=0
&<Common request parameters>
```

**Output Example**

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 1,
    "Items": [
      {
        "Database": "1231231",
        "LockTime": 1,
        "Md5": "23123123",
        "QueryTime": 100,
        "RowsExamined": 0,
        "RowsSent": 0,
        "SqlTemplate": "show master status11111",
        "SqlText": "update order_logistics set logistics_status = 205 where logistics_id in ( select 'logistics_id' from 'order_info' where order_no in ('15706082880074381752', '15706082880074381751'))",
        "Timestamp": 1585142640,
        "UserHost": "localhost",
        "UserName": "marchzcma"
      }
    ]
  }
```

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6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
Rollback APIs
DescribeRollbackTaskDetail

Last updated: 2020-05-15 11:35:04

1. API Description

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

This API is used to query the details of a TencentDB instance rollback task.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeRollbackTaskDetail.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>Yes</td>
<td>String</td>
<td>Instance ID, which is the same as the instance ID displayed in the TencentDB Console. You can use the DescribeDBInstances API to query the ID.</td>
</tr>
<tr>
<td>AsyncRequestId</td>
<td>No</td>
<td>String</td>
<td>Async task ID.</td>
</tr>
<tr>
<td>Limit</td>
<td>No</td>
<td>Integer</td>
<td>Pagination parameter, i.e., the number of entries to be returned for a single request. Default value: 20. Maximum value: 100.</td>
</tr>
<tr>
<td>Offset</td>
<td>No</td>
<td>Integer</td>
<td>Pagination offset. Default value: 0.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
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<tr>
<td>Items</td>
<td>Array of RollbackTask</td>
<td>Rollback task details. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>
4. Example

**Example1 Querying rollback task details**

**Input Example**

```
https://cdb.tencentcloudapi.com/?Action=DescribeRollbackTaskDetail
&InstanceId=cdb-qwer1234
&Limit=1
&<Common request parameters>
```

**Output Example**

```
{
 "Response": {
 "TotalCount": 2,
 "Items": [{
 "Info": "batch rollback success",
 "Status": "SUCCESS",
 "Progress": 100,
 "StartTime": "2020-04-22 10:01:23",
 "EndTime": "2020-04-22 10:06:25",
 "Detail": [{
 "InstanceId": "cdb-qwer1234",
 "Strategy": "full",
 "RollbackTime": "2020-04-22 10:00:57",
 "Databases": [],
 "Tables": [{
 "TableName": "sbtest1",
 "NewTableName": "sbtest1_bak"
 },
 { "TableName": "sbtest2",
 "NewTableName": "sbtest2_bak"
 }],
 "Database": "dbtest_bak"
 }],
 "RequestId": "1ac120c8-744a-4c15-be4e-4431511c0233"

```}

5. Developer Resources

**API Explorer**

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API 3.0 Explorer

SDK
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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for NodeJS
- Tencent Cloud SDK 3.0 for .NET

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.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotExists</td>
<td>The resource does not exist.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (DescribeRollbackRangeTime) is used to query the time range available for instance rollback.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: DescribeRollbackRangeTime.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>InstanceIds.N</td>
<td>Yes</td>
<td>Array of String</td>
<td>Instance ID list. An instance ID is in the format of cdb-c1nl9rpv, which is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TotalCount</td>
<td>Integer</td>
<td>Number of eligible instances.</td>
</tr>
<tr>
<td>Items</td>
<td>Array of InstanceRollbackRangeTime</td>
<td>Returned parameter information.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

Example1 Query the rollback time range

Input Example
Output Example

```
{
  "Response": {
    "RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7",
    "TotalCount": 2,
    "Items": [
      {
        "InstanceId": "cdb-fix44sxh",
        "Message": "ok",
        "Code": 0,
        "Times": [
          {
            "Begin": "2017-08-21 02:06:20",
            "End": "2017-08-25 17:52:05"
          }
        ],
      },
      {
        "InstanceId": "cdb-bdf7h3j1",
        "Message": "ok",
        "Code": 0,
        "Times": [
          {
            "Begin": "2017-08-21 02:06:00",
            "End": "2017-08-25 17:52:05"
          }
        ],
      }
    ]
  }
}
```

5. Developer Resources

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- Tencent Cloud SDK 3.0 for NodeJS
- Tencent Cloud SDK 3.0 for .NET
6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
</tbody>
</table>
1. API Description

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

This API (StartBatchRollback) is used to roll back the tables of a TencentDB instance in batches.

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

Note: This API supports Finance regions. If the common parameter Region is a Finance region, a domain name with the Finance region needs to be specified, for example: cdb.ap-shanghai-fsi.tencentcloudapi.com

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.

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Required</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: StartBatchRollback.</td>
</tr>
<tr>
<td>Version</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. The value used for this API: 2017-03-20.</td>
</tr>
<tr>
<td>Region</td>
<td>Yes</td>
<td>String</td>
<td>Common parameter. For more information, please see the list of regions supported by the product.</td>
</tr>
<tr>
<td>Instances.N</td>
<td>Yes</td>
<td>Array of RollbackInstancesInfo</td>
<td>Details of the instance for rollback</td>
</tr>
</tbody>
</table>

3. Output Parameters

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID, which can be used to query the execution result of an async task.</td>
</tr>
<tr>
<td>RequestId</td>
<td>String</td>
<td>The unique request ID, which is returned for each request. RequestId is required for locating a problem.</td>
</tr>
</tbody>
</table>

4. Example

**Example1 Rolling back Database Tables**

**Input Example**

```text
https://cdb.tencentcloudapi.com/?Action=StartBatchRollback
&Instances.0.InstanceId=cdb-xxxxxxxx
&Instances.0.Strategy=full
&Instances.0.RollbackTime=2018-08-01 16:27:43
```
5. Developer Resources

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**Command Line Interface**

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6. Error Code

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

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CdbError.TaskError</td>
<td>Backend task error.</td>
</tr>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Parameter error.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>OverQuota</td>
<td>Limit exceeded.</td>
</tr>
</tbody>
</table>
Data Types

Last updated: 2020-05-15 11:35:06

Account

TencentDB account information

Used by actions: CreateAccounts, DeleteAccounts, ModifyAccountDescription, ModifyAccountPassword, ModifyAccountPrivileges.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User</td>
<td>String</td>
<td>Yes</td>
<td>New account name</td>
</tr>
<tr>
<td>Host</td>
<td>String</td>
<td>Yes</td>
<td>New account domain name</td>
</tr>
</tbody>
</table>

AccountInfo

Account details

Used by actions: DescribeAccounts.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes</td>
<td>String</td>
<td>Account remarks</td>
</tr>
<tr>
<td>Host</td>
<td>String</td>
<td>Account domain name</td>
</tr>
<tr>
<td>User</td>
<td>String</td>
<td>Account name</td>
</tr>
<tr>
<td>ModifyTime</td>
<td>Timestamp</td>
<td>Account information modification time</td>
</tr>
<tr>
<td>ModifyPasswordTime</td>
<td>Timestamp</td>
<td>Password modification time</td>
</tr>
<tr>
<td>CreateTime</td>
<td>Timestamp</td>
<td>Account creation time</td>
</tr>
</tbody>
</table>

BackupConfig

Configuration information of ECDB slave database 2. This field is only applicable to ECDB instances

Used by actions: DescribeDBInstanceConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ReplicationMode</td>
<td>String</td>
<td>Replication mode of slave database 2. Value range: async, semi-sync</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>Name of the AZ of slave database 2, such as ap-shanghai-1</td>
</tr>
<tr>
<td>Vip</td>
<td>String</td>
<td>Private IP address of slave database 2</td>
</tr>
<tr>
<td>Vport</td>
<td>Integer</td>
<td>Access port of slave database 2</td>
</tr>
</tbody>
</table>

BackupInfo
Backup details

Used by actions: DescribeBackups.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>Backup filename</td>
</tr>
<tr>
<td>Size</td>
<td>Integer</td>
<td>Backup file size in bytes</td>
</tr>
<tr>
<td>Date</td>
<td>String</td>
<td>Backup snapshot time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-03-17 02:10:37</td>
</tr>
<tr>
<td>IntranetUrl</td>
<td>String</td>
<td>Download address on the private network</td>
</tr>
<tr>
<td>InternetUrl</td>
<td>String</td>
<td>Download address on the public network</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>Log type. Valid values: logical (logical cold backup), physical (physical cold backup).</td>
</tr>
<tr>
<td>BackupId</td>
<td>Integer</td>
<td>Backup subtask ID, which is used when backup files are deleted</td>
</tr>
<tr>
<td>Status</td>
<td>String</td>
<td>Backup task status. Valid values: SUCCESS (backup succeeded), FAILED (backup failed), RUNNING (backup is in progress).</td>
</tr>
<tr>
<td>FinishTime</td>
<td>String</td>
<td>Backup task completion time</td>
</tr>
<tr>
<td>Creator</td>
<td>String</td>
<td>(This field will be disused and is thus not recommended) backup creator. Valid values: SYSTEM (created by system), Uin (initiator's Uin value).</td>
</tr>
<tr>
<td>StartTime</td>
<td>String</td>
<td>Backup task start time</td>
</tr>
<tr>
<td>Method</td>
<td>String</td>
<td>Backup method. Valid values: full (full backup), partial (partial backup).</td>
</tr>
</tbody>
</table>

**BackupItem**

When creating a backup, you need to specify the information of the table to be backed up.

Used by actions: CreateBackup.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Db</td>
<td>String</td>
<td>Yes</td>
<td>Name of the database to be backed up</td>
</tr>
<tr>
<td>Table</td>
<td>String</td>
<td>No</td>
<td>Name of the table to be backed up. If this parameter is passed in, the specified table in the database will be backed up; otherwise, the database will be backed up.</td>
</tr>
</tbody>
</table>

**BackupSummaryItem**

Statistical items of instance backup

Used by actions: DescribeBackupSummaries.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
<tr>
<td>AutoBackupCount</td>
<td>Integer</td>
<td>Number of automatic data backups of an instance.</td>
</tr>
</tbody>
</table>
### Name

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AutoBackupVolume</td>
<td>Integer</td>
<td>Capacity of automatic data backups of an instance.</td>
</tr>
<tr>
<td>ManualBackupCount</td>
<td>Integer</td>
<td>Number of manual data backups of an instance.</td>
</tr>
<tr>
<td>DataBackupCount</td>
<td>Integer</td>
<td>Total number of data backups of an instance (including automatic backups and manual backups).</td>
</tr>
<tr>
<td>DataBackupVolume</td>
<td>Integer</td>
<td>Total capacity of data backups of an instance.</td>
</tr>
<tr>
<td>BinlogBackupCount</td>
<td>Integer</td>
<td>Number of log backups of an instance.</td>
</tr>
<tr>
<td>BinlogBackupVolume</td>
<td>Integer</td>
<td>Capacity of log backups of an instance.</td>
</tr>
<tr>
<td>BackupVolume</td>
<td>Integer</td>
<td>Total capacity of backups of an instance (including data backups and log backups).</td>
</tr>
</tbody>
</table>

### BinlogInfo

Binlog information

Used by actions: DescribeBinlogs.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>Binlog backup filename</td>
</tr>
<tr>
<td>Size</td>
<td>Integer</td>
<td>Backup file size in bytes</td>
</tr>
<tr>
<td>Date</td>
<td>Timestamp</td>
<td>File stored time in the format of 2016-03-17 02:10:37</td>
</tr>
<tr>
<td>IntranetUrl</td>
<td>String</td>
<td>Download address on the private network</td>
</tr>
<tr>
<td>InternetUrl</td>
<td>String</td>
<td>Download address on the public network</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>Log type. Value range: binlog</td>
</tr>
<tr>
<td>BinlogStartTime</td>
<td>String</td>
<td>Binlog file start file</td>
</tr>
<tr>
<td>BinlogFinishTime</td>
<td>String</td>
<td>Binlog file end time</td>
</tr>
</tbody>
</table>

### ColumnPrivilege

Column permission information

Used by actions: DescribeAccountPrivileges, ModifyAccountPrivileges.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Database</td>
<td>String</td>
<td>Yes</td>
<td>Database name</td>
</tr>
<tr>
<td>Table</td>
<td>String</td>
<td>Yes</td>
<td>Table name</td>
</tr>
<tr>
<td>Column</td>
<td>String</td>
<td>Yes</td>
<td>Column name</td>
</tr>
<tr>
<td>Privileges</td>
<td>Array of String</td>
<td>Yes</td>
<td>Permission information</td>
</tr>
</tbody>
</table>
CommonTimeWindow

Common time window
Used by actions: DescribeBackupConfig, ModifyBackupConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>String</td>
<td>No</td>
<td>Time window on Monday in the format of 02:00–06:00</td>
</tr>
<tr>
<td>Tuesday</td>
<td>String</td>
<td>No</td>
<td>Time window on Tuesday in the format of 02:00–06:00</td>
</tr>
<tr>
<td>Wednesday</td>
<td>String</td>
<td>No</td>
<td>Time window on Wednesday in the format of 02:00–06:00</td>
</tr>
<tr>
<td>Thursday</td>
<td>String</td>
<td>No</td>
<td>Time window on Thursday in the format of 02:00–06:00</td>
</tr>
<tr>
<td>Friday</td>
<td>String</td>
<td>No</td>
<td>Time window on Friday in the format of 02:00–06:00</td>
</tr>
<tr>
<td>Saturday</td>
<td>String</td>
<td>No</td>
<td>Time window on Saturday in the format of 02:00–06:00</td>
</tr>
<tr>
<td>Sunday</td>
<td>String</td>
<td>No</td>
<td>Time window on Sunday in the format of 02:00–06:00</td>
</tr>
</tbody>
</table>

DBSwitchInfo

TencentDB instance switch records
Used by actions: DescribeDBSwitchRecords.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SwitchTime</td>
<td>Timestamp</td>
<td>Switch time in the format of yyyy-MM-dd HH:mm:ss, such as 2017-09-03 01:34:31</td>
</tr>
<tr>
<td>SwitchType</td>
<td>String</td>
<td>Switch type. Value range: TRANSFER (data migration), MASTER2SLAVE (master/slave switch), RECOVERY (master/slave recovery)</td>
</tr>
</tbody>
</table>

DatabaseName

Name of a database
Used by actions: DescribeBackupDatabases.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DatabaseName</td>
<td>String</td>
<td>Name of a database</td>
</tr>
</tbody>
</table>

DatabasePrivilege

Database permission
Used by actions: DescribeAccountPrivileges, ModifyAccountPrivileges.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privileges</td>
<td>Array of String</td>
<td>Yes</td>
<td>Permission information</td>
</tr>
<tr>
<td>Database</td>
<td>String</td>
<td>Yes</td>
<td>Database name</td>
</tr>
</tbody>
</table>
DeployGroupInfo

Placement group information
Used by actions: DescribeDeployGroupList.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeployGroupId</td>
<td>String</td>
<td>ID of a placement group.</td>
</tr>
<tr>
<td>DeployGroupName</td>
<td>String</td>
<td>Name of a placement group.</td>
</tr>
<tr>
<td>CreateTime</td>
<td>String</td>
<td>Creation time.</td>
</tr>
<tr>
<td>Quota</td>
<td>Integer</td>
<td>Instance quota of placement group, indicating the maximum number of instances that can be placed in one placement group.</td>
</tr>
<tr>
<td>Affinity</td>
<td>String</td>
<td>Affinity policy of placement group. Currently, only policy 1 is supported, indicating to distribute instances across physical machines. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>LimitNum</td>
<td>Integer</td>
<td>Upper limit of instances in one placement group on one physical machine as defined in affinity policy 1 of placement group. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Description</td>
<td>String</td>
<td>Placement group details.</td>
</tr>
<tr>
<td>DevClass</td>
<td>String</td>
<td>Physical model attribute of placement group. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>

DeviceCpuInfo

CPU load
Used by actions: DescribeDeviceMonitorInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate</td>
<td>Array of DeviceCpuRateInfo</td>
<td>Average instance CPU utilization</td>
</tr>
<tr>
<td>Load</td>
<td>Array of Integer</td>
<td>CPU monitoring data of the instance</td>
</tr>
</tbody>
</table>

DeviceCpuRateInfo

Average instance CPU utilization
Used by actions: DescribeDeviceMonitorInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CpuCore</td>
<td>Integer</td>
<td>CPU core number</td>
</tr>
<tr>
<td>Rate</td>
<td>Array of Integer</td>
<td>CPU utilization</td>
</tr>
</tbody>
</table>
Disk monitoring data of the instance
Used by actions: DescribeDeviceMonitorInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IoRatioPerSec</td>
<td>Array of Integer</td>
<td>Time percentage of IO operations per second</td>
</tr>
<tr>
<td>IoWaitTime</td>
<td>Array of Integer</td>
<td>Average wait time of device I/O operations * 100 in milliseconds. For example, if the value is 201, the average wait time of I/O operations is 201/100 = 2.1 milliseconds.</td>
</tr>
<tr>
<td>Read</td>
<td>Array of Integer</td>
<td>Average number of read operations completed by the disk per second * 100. For example, if the value is 2,002, the average number of read operations completed by the disk per second is 2,002/100=20.2.</td>
</tr>
<tr>
<td>Write</td>
<td>Array of Integer</td>
<td>Average number of write operations completed by the disk per second * 100. For example, if the value is 30,001, the average number of write operations completed by the disk per second is 30,001/100=300.01.</td>
</tr>
</tbody>
</table>

DeviceMemInfo
Memory monitoring information of the physical server where the instance is located
Used by actions: DescribeDeviceMonitorInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>Array of Integer</td>
<td>Total memory size in KB, which is the value of total in the free command</td>
</tr>
<tr>
<td>Used</td>
<td>Array of Integer</td>
<td>Used memory size in KB, which is the value of used in the free command</td>
</tr>
</tbody>
</table>

DeviceNetInfo
Network monitoring information of the physical server where the instance is located
Used by actions: DescribeDeviceMonitorInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conn</td>
<td>Array of Integer</td>
<td>Number of TCP connections</td>
</tr>
<tr>
<td>PackageIn</td>
<td>Array of Integer</td>
<td>ENI inbound packets per second</td>
</tr>
<tr>
<td>PackageOut</td>
<td>Array of Integer</td>
<td>ENI outbound packets per second</td>
</tr>
<tr>
<td>FlowIn</td>
<td>Array of Integer</td>
<td>Inbound traffic in Kbps</td>
</tr>
<tr>
<td>FlowOut</td>
<td>Array of Integer</td>
<td>Outbound traffic in Kbps</td>
</tr>
</tbody>
</table>

DrInfo
Disaster recovery instance information
Used by actions: DescribeDBInstances.
<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Integer</td>
<td>Disaster recovery instance status</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>AZ information</td>
</tr>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID</td>
</tr>
<tr>
<td>Region</td>
<td>String</td>
<td>Region information</td>
</tr>
<tr>
<td>SyncStatus</td>
<td>Integer</td>
<td>Instance sync status. Possible returned values include: 0 - disaster recovery not synced; 1 - disaster recovery syncing; 2 - disaster recovery synced successfully; 3 - disaster recovery sync failed; 4 - repairing disaster recovery sync;</td>
</tr>
<tr>
<td>InstanceName</td>
<td>String</td>
<td>Instance name</td>
</tr>
<tr>
<td>InstanceType</td>
<td>Integer</td>
<td>Instance type</td>
</tr>
</tbody>
</table>

### ErrologItem

Structured error log details

Used by actions: DescribeErrorLogData.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timestamp</td>
<td>Integer</td>
<td>Error occurrence time. Error occurrence time. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Content</td>
<td>String</td>
<td>Error details. Error details. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>

### ImportRecord

Import task records

Used by actions: DescribeDBImportRecords.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Integer</td>
<td>Status value</td>
</tr>
<tr>
<td>Code</td>
<td>Integer</td>
<td>Status value</td>
</tr>
<tr>
<td>CostTime</td>
<td>Integer</td>
<td>Execution duration</td>
</tr>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID</td>
</tr>
<tr>
<td>WorkId</td>
<td>String</td>
<td>Backend task ID</td>
</tr>
<tr>
<td>FileName</td>
<td>String</td>
<td>Name of the file to be imported</td>
</tr>
<tr>
<td>Process</td>
<td>Integer</td>
<td>Execution progress</td>
</tr>
<tr>
<td>CreateTime</td>
<td>Timestamp</td>
<td>Task creation time</td>
</tr>
</tbody>
</table>
### Inbound

Security group inbound rule

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>String</td>
<td>Policy, which can be ACCEPT or DROP</td>
</tr>
<tr>
<td>CidrIp</td>
<td>String</td>
<td>Source IP or IP range, such as 192.168.0.0/16</td>
</tr>
<tr>
<td>PortRange</td>
<td>String</td>
<td>Port</td>
</tr>
<tr>
<td>IpProtocol</td>
<td>String</td>
<td>Network protocol. UDP and TCP are supported.</td>
</tr>
<tr>
<td>Dir</td>
<td>String</td>
<td>The direction of the rule, which is INPUT for inbound rules</td>
</tr>
</tbody>
</table>

### InstanceInfo

Instance details

Used by actions: DescribeDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WanStatus</td>
<td>Integer</td>
<td>Public network access status. Value range: 0 (not enabled), 1 (enabled), 2 (disabled)</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>AZ information</td>
</tr>
<tr>
<td>InitFlag</td>
<td>Integer</td>
<td>Initialization flag. Value range: 0 (not initialized), 1 (initialized)</td>
</tr>
<tr>
<td>RoVipInfo</td>
<td>RoVipInfo</td>
<td>VIP information of a read-only instance. This field is exclusive to read-only instances where read-only access is enabled separately. Note: This field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Memory</td>
<td>Integer</td>
<td>Memory capacity in MB</td>
</tr>
<tr>
<td>Status</td>
<td>Integer</td>
<td>Instance status. Value range: 0 (creating), 1 (running), 4 (isolating), 5 (isolated)</td>
</tr>
<tr>
<td>VpcId</td>
<td>Integer</td>
<td>VPC ID, such as 51102</td>
</tr>
<tr>
<td>SlavelInfo</td>
<td>SlavelInfo</td>
<td>Information of a slave server. Note: This field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID</td>
</tr>
<tr>
<td>Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Volume</td>
<td>Integer</td>
<td>Disk capacity in GB</td>
</tr>
<tr>
<td>AutoRenew</td>
<td>Integer</td>
<td>Auto-renewal flag. Value range: 0 (auto-renewal not enabled), 1 (enabled), 2 (disabled)</td>
</tr>
<tr>
<td>ProtectMode</td>
<td>Integer</td>
<td>Data replication mode. Valid values: 0 (async), 1 (semi-sync), 2 (strong sync)</td>
</tr>
</tbody>
</table>
| RoGroups   | Array of RoGroup | Details of a read-only group  
Note: This field may return null, indicating that no valid values can be obtained. |
| SubnetId   | Integer    | Subnet ID, such as 2333                                                    |
| InstanceType| Integer    | Instance type. Value range: 1 (master), 2 (disaster recovery), 3 (read-only) |
| ProjectId  | Integer    | Project ID                                                                  |
| Region     | String     | Region information                                                          |
| DeadlineTime| Timestamp  | Instance expiration time                                                     |
| DeployMode | Integer    | AZ deployment mode. Valid values: 0 (single-AZ), 1 (multi-AZ)                |
| TaskStatus | Integer    | Instance task status. 0 - no task; 1 - upgrading; 2 - importing data; 3 - activating slave; 4 - enabling public network access; 5 - batch operation in progress; 6 - rolling back; 7 - disabling public network access; 8 - changing password; 9 - renaming instance; 10 - restarting; 12 - migrating self-built instance; 13 - dropping table; 14 - creating and syncing disaster recovery instance; 15 - pending upgrade and switch; 16 - upgrade and switch in progress; 17 - upgrade and switch completed |
| MasterInfo | MasterInfo | Details of a master instance  
Note: This field may return null, indicating that no valid values can be obtained. |
| DeviceType | String     | Instance type. Value range: HA (High-Availability Edition), FE (Finance Edition), BASIC (Basic Edition) |
| EngineVersion| String    | Kernel version                                                              |
| InstanceName| String     | Instance name                                                               |
| DrInfo     | Array of DrInfo | Details of a disaster recovery instance  
Note: This field may return null, indicating that no valid values can be obtained. |
| WanDomain  | String     | Public domain name                                                          |
| WanPort    | Integer    | Public network port number                                                  |
| PayType    | Integer    | Billing type                                                                |
| CreateTime | String     | Instance creation time                                                       |
| Vip        | String     | Instance IP                                                                 |
| Vport      | Integer    | Port number                                                                  |
| CdbError   | Integer    | Lock flag                                                                    |
| UniqVpcId  | String     | VPC descriptor, such as "vpc-5v8wn9mg"                                       |
| UniqSubnetId| String     | Subnet descriptor, such as "subnet-1typ0s7d"                                |
| PhysicalId | String     | Physical ID                                                                  |
### Name | Type | Description
--- | --- | ---
Cpu | Integer | Number of cores
Qps | Integer | Queries per second
ZoneName | String | AZ name
DeviceClass | String | Physical machine model
Note: This field may return null, indicating that no valid values can be obtained.
DeployGroupId | String | Placement group ID
Note: this field may return null, indicating that no valid values can be obtained.
ZoneId | Integer | AZ ID
Note: this field may return null, indicating that no valid values can be obtained.

### InstanceRebootTime

Estimated time of instance restart

Used by actions: DescribeDBInstanceRebootTime.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID in the format of cdb-c1nl9rpv. It is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>TimeInSeconds</td>
<td>Integer</td>
<td>Estimated restart time</td>
</tr>
</tbody>
</table>

### InstanceRollbackRangeTime

Time range available for instance rollback

Used by actions: DescribeRollbackRangeTime.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>Integer</td>
<td>Queries database error code</td>
</tr>
<tr>
<td>Message</td>
<td>String</td>
<td>Queries database error message</td>
</tr>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>List of instance IDs. An instance ID is in the format of cdb-c1nl9rpv, which is the same as the instance ID displayed on the TencentDB Console page.</td>
</tr>
<tr>
<td>Times</td>
<td>Array of RollbackTimeRange</td>
<td>Time range available for rollback</td>
</tr>
</tbody>
</table>

### MasterInfo

Master instance information

Used by actions: DescribeDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
### TencentDB for MySQL

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region</td>
<td>String</td>
<td>Region information</td>
</tr>
<tr>
<td>RegionId</td>
<td>Integer</td>
<td>Region ID</td>
</tr>
<tr>
<td>ZoneId</td>
<td>Integer</td>
<td>AZ ID</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>AZ information</td>
</tr>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID</td>
</tr>
<tr>
<td>ResourceId</td>
<td>String</td>
<td>Long instance ID</td>
</tr>
<tr>
<td>Status</td>
<td>Integer</td>
<td>Instance status</td>
</tr>
<tr>
<td>InstanceName</td>
<td>String</td>
<td>Instance name</td>
</tr>
<tr>
<td>InstanceType</td>
<td>Integer</td>
<td>Instance type</td>
</tr>
<tr>
<td>TaskStatus</td>
<td>Integer</td>
<td>Task status</td>
</tr>
<tr>
<td>Memory</td>
<td>Integer</td>
<td>Memory capacity</td>
</tr>
<tr>
<td>Volume</td>
<td>Integer</td>
<td>Disk capacity</td>
</tr>
<tr>
<td>DeviceType</td>
<td>String</td>
<td>Instance model</td>
</tr>
<tr>
<td>Qps</td>
<td>Integer</td>
<td>Queries per second</td>
</tr>
<tr>
<td>VpcId</td>
<td>Integer</td>
<td>VPC ID</td>
</tr>
<tr>
<td>SubnetId</td>
<td>Integer</td>
<td>Subnet ID</td>
</tr>
<tr>
<td>ExClusterId</td>
<td>String</td>
<td>Dedicated cluster ID</td>
</tr>
<tr>
<td>ExClusterName</td>
<td>String</td>
<td>Dedicated cluster name</td>
</tr>
</tbody>
</table>

### Outbound

Security group outbound rule

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>String</td>
<td>Policy, which can be ACCEPT or DROP</td>
</tr>
<tr>
<td>CidrIp</td>
<td>String</td>
<td>Destination IP or IP range, such as 172.16.0.0/12</td>
</tr>
<tr>
<td>PortRange</td>
<td>String</td>
<td>Port or port range</td>
</tr>
<tr>
<td>IpProtocol</td>
<td>String</td>
<td>Network protocol. UDP and TCP are supported</td>
</tr>
<tr>
<td>Dir</td>
<td>String</td>
<td>The direction of the rule, which is OUTPUT for inbound rules</td>
</tr>
</tbody>
</table>

### ParamInfo

Instance parameter information
Used by actions: CreateDBInstanceHour, InitDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>Yes</td>
<td>Parameter name</td>
</tr>
<tr>
<td>Value</td>
<td>String</td>
<td>Yes</td>
<td>Parameter value</td>
</tr>
</tbody>
</table>

**ParamRecord**

Parameter modification records

Used by actions: DescribeInstanceParamRecords.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID</td>
</tr>
<tr>
<td>ParamName</td>
<td>String</td>
<td>Parameter name</td>
</tr>
<tr>
<td>OldValue</td>
<td>String</td>
<td>Parameter value before modification</td>
</tr>
<tr>
<td>NewValue</td>
<td>String</td>
<td>Parameter value after modification</td>
</tr>
<tr>
<td>IsSuccess</td>
<td>Boolean</td>
<td>Whether the parameter is modified successfully</td>
</tr>
<tr>
<td>ModifyTime</td>
<td>String</td>
<td>Modification time</td>
</tr>
</tbody>
</table>

**ParamTemplateInfo**

Parameter template information

Used by actions: DescribeParamTemplates.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TemplateId</td>
<td>Integer</td>
<td>Parameter template ID</td>
</tr>
<tr>
<td>Name</td>
<td>String</td>
<td>Parameter template name</td>
</tr>
<tr>
<td>Description</td>
<td>String</td>
<td>Parameter template description</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>String</td>
<td>Instance engine version</td>
</tr>
</tbody>
</table>

**Parameter**

Database instance parameter

Used by actions: CreateParamTemplate, ModifyInstanceParam, ModifyParamTemplate.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>Yes</td>
<td>Parameter name</td>
</tr>
<tr>
<td>CurrentValue</td>
<td>String</td>
<td>Yes</td>
<td>Parameter value</td>
</tr>
</tbody>
</table>
ParameterDetail

Instance parameter details

Used by actions: DescribeDefaultParams, DescribeInstanceParams, DescribeParamTemplateInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>Parameter name</td>
</tr>
<tr>
<td>ParamType</td>
<td>String</td>
<td>Parameter type</td>
</tr>
<tr>
<td>Default</td>
<td>String</td>
<td>Default value of the parameter</td>
</tr>
<tr>
<td>Description</td>
<td>String</td>
<td>Parameter description</td>
</tr>
<tr>
<td>CurrentValue</td>
<td>String</td>
<td>Current value of the parameter</td>
</tr>
<tr>
<td>NeedReboot</td>
<td>Integer</td>
<td>Whether the database needs to be restarted for the modified parameter to take effect. Value range: 0 (no); 1 (yes)</td>
</tr>
<tr>
<td>Max</td>
<td>Integer</td>
<td>Maximum value of the parameter</td>
</tr>
<tr>
<td>Min</td>
<td>Integer</td>
<td>Minimum value of the parameter</td>
</tr>
<tr>
<td>EnumValue</td>
<td>Array of String</td>
<td>Enumerated values of the parameter. It is null if the parameter is non_ENUMERATED</td>
</tr>
</tbody>
</table>

RegionSellConf

Sale configuration of the region

Used by actions: DescribeDBZoneConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RegionName</td>
<td>String</td>
<td>Region name</td>
</tr>
<tr>
<td>Area</td>
<td>String</td>
<td>Area</td>
</tr>
<tr>
<td>IsDefaultRegion</td>
<td>Integer</td>
<td>Whether it is a default region</td>
</tr>
<tr>
<td>Region</td>
<td>String</td>
<td>Region name</td>
</tr>
<tr>
<td>ZonesConf</td>
<td>Array of ZoneSellConf</td>
<td>Sale configuration of the AZ</td>
</tr>
</tbody>
</table>

ReleaseResult

Deisolation task result

Used by actions: ReleaseIsolatedDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Instance ID.</td>
</tr>
<tr>
<td>Code</td>
<td>Integer</td>
<td>Result value of instance deisolation. A returned value of 0 indicates success.</td>
</tr>
</tbody>
</table>
### Name | Type | Description
---|---|---
Message | String | Error message for instance dis isolation.

**RoGroup**

Read-only group parameter

**Used by actions:** CreateDBInstanceHour, DescribeDBInstances, DescribeRoGroups.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoGroupMode</td>
<td>String</td>
<td>Yes</td>
<td>Read-only group mode. Valid values: alone (the system assigns a read-only group automatically), allinone (a new read-only group will be created), join (an existing read-only group will be used).</td>
</tr>
<tr>
<td>RoGroupId</td>
<td>String</td>
<td>No</td>
<td>Read-only group ID.</td>
</tr>
<tr>
<td>RoGroupName</td>
<td>String</td>
<td>No</td>
<td>Read-only group name.</td>
</tr>
<tr>
<td>RoOfflineDelay</td>
<td>Integer</td>
<td>No</td>
<td>Whether to enable the function of isolating an instance that exceeds the latency threshold. If it is enabled, when the latency between the read-only instance and the master instance exceeds the latency threshold, the read-only instance will be isolated. Valid values: 1 (enabled), 0 (not enabled)</td>
</tr>
<tr>
<td>RoMaxDelayTime</td>
<td>Integer</td>
<td>No</td>
<td>Latency threshold</td>
</tr>
<tr>
<td>MinRoInGroup</td>
<td>Integer</td>
<td>No</td>
<td>Minimum number of instances to be retained. If the number of the purchased read-only instances is smaller than the set value, they will not be removed.</td>
</tr>
<tr>
<td>WeightMode</td>
<td>String</td>
<td>No</td>
<td>Read/write weight distribution mode. Valid values: system (weights are assigned by the system automatically), custom (weights are customized)</td>
</tr>
<tr>
<td>Weight</td>
<td>Integer</td>
<td>No</td>
<td>Weight value.</td>
</tr>
<tr>
<td>RoInstances</td>
<td>Array of RoInstanceInfo</td>
<td>No</td>
<td>Details of read-only instances in read-only group</td>
</tr>
<tr>
<td>Vip</td>
<td>String</td>
<td>No</td>
<td>Private IP of read-only group.</td>
</tr>
<tr>
<td>Vport</td>
<td>Integer</td>
<td>No</td>
<td>Private network port number of read-only group.</td>
</tr>
<tr>
<td>UniqVpcId</td>
<td>String</td>
<td>No</td>
<td>VPC ID. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>UniqSubnetId</td>
<td>String</td>
<td>No</td>
<td>Subnet ID. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RoGroupRegion</td>
<td>String</td>
<td>No</td>
<td>Read-only group region. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>RoGroupZone</td>
<td>String</td>
<td>No</td>
<td>Read-only group AZ. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>
RoGroupAttr

RO group configuration information.

Used by actions: ModifyRoGroupInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoGroupName</td>
<td>String</td>
<td>No</td>
<td>RO group name.</td>
</tr>
<tr>
<td>RoMaxDelayTime</td>
<td>Integer</td>
<td>No</td>
<td>Maximum delay threshold for RO instances in seconds. Minimum value: 1. Please note that this value will take effect only if an instance removal policy is enabled in the RO group.</td>
</tr>
<tr>
<td>RoOfflineDelay</td>
<td>Integer</td>
<td>No</td>
<td>Whether to enable instance removal. Valid values: 1 (enabled), 0 (not enabled). Please note that if instance removal is enabled, the delay threshold parameter (RoMaxDelayTime) must be set.</td>
</tr>
<tr>
<td>MinRoInGroup</td>
<td>Integer</td>
<td>No</td>
<td>Minimum number of instances to be retained, which can be set to any value less than or equal to the number of RO instances in the RO group. Please note that if this value is set to be greater than the number of RO instances, no removal will be performed, and if it is set to 0, all instances with an excessive delay will be removed.</td>
</tr>
<tr>
<td>WeightMode</td>
<td>String</td>
<td>No</td>
<td>Weighting mode. Supported values include system (automatically assigned by the system) and custom (defined by user). Please note that if the custom mode is selected, the RO instance weight configuration parameter (RoWeightValues) must be set.</td>
</tr>
</tbody>
</table>

RoInstanceInfo

RO instance details

Used by actions: CreateDBInstanceHour, DescribeDBInstances, DescribeRoGroups.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MasterInstanceId</td>
<td>String</td>
<td>Master instance ID corresponding to the RO group</td>
</tr>
<tr>
<td>RoStatus</td>
<td>String</td>
<td>RO instance status in the RO group. Value range: online, offline</td>
</tr>
<tr>
<td>OfflineTime</td>
<td>String</td>
<td>Last deactivation time of a RO instance in the RO group</td>
</tr>
<tr>
<td>Weight</td>
<td>Integer</td>
<td>RO instance weight in the RO group</td>
</tr>
<tr>
<td>Region</td>
<td>String</td>
<td>RO instance region name, such as ap-shanghai</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>Name of RO AZ, such as ap-shanghai-1</td>
</tr>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>RO instance ID in the format of cdbro-c1nl9rpf</td>
</tr>
<tr>
<td>Status</td>
<td>Integer</td>
<td>RO instance status. Value range: 0 (creating), 1 (running), 4 (deleting)</td>
</tr>
<tr>
<td>InstanceType</td>
<td>Integer</td>
<td>Instance type. Value range: 1 (master), 2 (disaster recovery), 3 (read-only)</td>
</tr>
<tr>
<td>InstanceName</td>
<td>String</td>
<td>RO instance name</td>
</tr>
<tr>
<td>HourFeeStatus</td>
<td>Integer</td>
<td>Pay-as-you-go billing status. Value range: 1 (normal), 2 (in arrears)</td>
</tr>
</tbody>
</table>
### Name | Type | Description
---|---|---
TaskStatus | Integer | RO instance task status. Value range: 0 - no task, 1 - upgrading, 2 - importing data, 3 - activating slave, 4 - public network access enabled, 5 - batch operation in progress, 6 - rolling back, 7 - public network access not enabled, 8 - modifying password, 9 - renaming instance, 10 - restarting, 12 - migrating self-built instance, 13 - dropping table, 14 - creating and syncing disaster recovery instance

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>Integer</td>
<td>RO instance memory size in MB</td>
</tr>
<tr>
<td>Volume</td>
<td>Integer</td>
<td>RO instance disk size in GB</td>
</tr>
<tr>
<td>Qps</td>
<td>Integer</td>
<td>Queries per second</td>
</tr>
<tr>
<td>Vip</td>
<td>String</td>
<td>Private IP address of the RO instance</td>
</tr>
<tr>
<td>Vport</td>
<td>Integer</td>
<td>Access port of the RO instance</td>
</tr>
<tr>
<td>VpcId</td>
<td>Integer</td>
<td>VPC ID of the RO instance</td>
</tr>
<tr>
<td>SubnetId</td>
<td>Integer</td>
<td>VPC subnet ID of the RO instance</td>
</tr>
<tr>
<td>DeviceType</td>
<td>String</td>
<td>RO instance specification description. Value range: CUSTOM</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>String</td>
<td>Database engine version of the RO instance. Value range: 5.1, 5.5, 5.6, 5.7</td>
</tr>
<tr>
<td>DeadlineTime</td>
<td>String</td>
<td>RO instance expiration time in the format of yyyy-mm-dd hh:mm:ss. If it is a pay-as-you-go instance, the value of this field is 0000-00-00 00:00:00</td>
</tr>
<tr>
<td>PayType</td>
<td>Integer</td>
<td>RO instance billing method. Value range: 0 (monthly subscribed), 1 (pay-as-you-go), 2 (monthly postpaid)</td>
</tr>
</tbody>
</table>

### RoVipInfo

VIP information of the read-only instance

Used by actions: DescribeDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoVipStatus</td>
<td>Integer</td>
<td>VIP status of the read-only instance</td>
</tr>
<tr>
<td>RoSubnetId</td>
<td>Integer</td>
<td>VPC subnet of the read-only instance</td>
</tr>
<tr>
<td>RoVpcId</td>
<td>Integer</td>
<td>VPC of the read-only instance</td>
</tr>
<tr>
<td>RoVport</td>
<td>Integer</td>
<td>VIP port number of the read-only instance</td>
</tr>
<tr>
<td>RoVip</td>
<td>String</td>
<td>VIP of the read-only instance</td>
</tr>
</tbody>
</table>
## RoWeightValue

**RO instance weight value**

Used by actions: ModifyRoGroupInfo.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Yes</td>
<td>RO instance ID.</td>
</tr>
<tr>
<td>Weight</td>
<td>Integer</td>
<td>Yes</td>
<td>Weight value. Value range: [0, 100].</td>
</tr>
</tbody>
</table>

## RollbackDBName

**Name of the database for rollback**

Used by actions: DescribeRollbackTaskDetail, StartBatchRollback.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DatabaseName</td>
<td>String</td>
<td>Yes</td>
<td>Original database name before rollback</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>NewDatabaseName</td>
<td>String</td>
<td>Yes</td>
<td>New database name after rollback</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>

## RollbackInstancesInfo

**Details of the instance for rollback**

Used by actions: DescribeRollbackTaskDetail, StartBatchRollback.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstanceId</td>
<td>String</td>
<td>Yes</td>
<td>TencentDB instance ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Strategy</td>
<td>String</td>
<td>Yes</td>
<td>Rollback policy. Value range: table, db, full. Default value: full. Table: expedited rollback mode, where only the selected table-level backups and binlogs are imported; for cross-table rollback, if the associated tables are not selected simultaneously, the rollback will fail; the parameter <strong>Databases</strong> must be empty under this mode. db: fast rollback mode, where only the selected database-level backups and binlogs are imported; for cross-database rollback, if the associated databases are not selected simultaneously, the rollback will fail. full: ordinary rollback mode, which imports all the backups and binlogs of the instance at a relatively low speed.</td>
</tr>
<tr>
<td>RollbackTime</td>
<td>String</td>
<td>Yes</td>
<td>Database rollback time in the format of yyyy-mm-dd hh:mm:ss</td>
</tr>
<tr>
<td>Databases</td>
<td>Array of</td>
<td>No</td>
<td>Information of the databases to be rolled back, which means rollback at the database level</td>
</tr>
<tr>
<td></td>
<td>RollbackDBName</td>
<td></td>
<td>Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Name</td>
<td>Type</td>
<td>Required</td>
<td>Description</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------</td>
<td>----------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Tables</td>
<td>Array of RollbackTables</td>
<td>No</td>
<td>Information of the tables to be rolled back, which means rollback at the table level.  Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>

**RollbackTableName**

Name of the table for rollback

Used by actions: DescribeRollbackTaskDetail, StartBatchRollback.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TableName</td>
<td>String</td>
<td>Yes</td>
<td>Original table name before rollback.  Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>NewTableName</td>
<td>String</td>
<td>Yes</td>
<td>New table name after rollback.  Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>

**RollbackTables**

Details of the table for rollback

Used by actions: DescribeRollbackTaskDetail, StartBatchRollback.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Database</td>
<td>String</td>
<td>Yes</td>
<td>Database name.  Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>Table</td>
<td>Array of RollbackTableName</td>
<td>Yes</td>
<td>Table details.  Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>

**RollbackTask**

Rollback task details

Used by actions: DescribeRollbackTaskDetail.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Info</td>
<td>String</td>
<td>Task execution information.</td>
</tr>
<tr>
<td>Progress</td>
<td>Integer</td>
<td>Task execution progress. Value range: [0,100].</td>
</tr>
<tr>
<td>StartTime</td>
<td>String</td>
<td>Task start time.</td>
</tr>
<tr>
<td>EndTime</td>
<td>String</td>
<td>Task end time.</td>
</tr>
</tbody>
</table>
### RollbackTimeRange

Time range available for rollback

Used by actions: DescribeRollbackRangeTime.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Begin</td>
<td>String</td>
<td>Start time available for rollback in the format of yyyy-MM-dd HH:mm:ss, such as 2016-10-29 01:06:04</td>
</tr>
<tr>
<td>End</td>
<td>String</td>
<td>End time available for rollback in the format of yyyy-MM-dd HH:mm:ss, such as 2016-11-02 11:44:47</td>
</tr>
</tbody>
</table>

### SecurityGroup

Security group details

Used by actions: DescribeDBSecurityGroups, DescribeProjectSecurityGroups.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProjectId</td>
<td>Integer</td>
<td>Project ID</td>
</tr>
<tr>
<td>CreateTime</td>
<td>String</td>
<td>Creation time in the format of yyyy-mm-dd hh:mm:ss</td>
</tr>
<tr>
<td>Inbound</td>
<td>Array of Inbound</td>
<td>Inbound rule</td>
</tr>
<tr>
<td>Outbound</td>
<td>Array of Outbound</td>
<td>Outbound rule</td>
</tr>
<tr>
<td>SecurityGroupId</td>
<td>String</td>
<td>Security group ID</td>
</tr>
<tr>
<td>SecurityGroupName</td>
<td>String</td>
<td>Security group name</td>
</tr>
<tr>
<td>SecurityGroupRemark</td>
<td>String</td>
<td>Security group remarks</td>
</tr>
</tbody>
</table>

### SellConfig

Purchasable configuration details

Used by actions: DescribeDBZoneConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device</td>
<td>String</td>
<td>Device type</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>Purchasable specification description</td>
</tr>
<tr>
<td>CdbType</td>
<td>String</td>
<td>Instance type</td>
</tr>
<tr>
<td>Memory</td>
<td>Integer</td>
<td>Memory size in MB</td>
</tr>
<tr>
<td>Cpu</td>
<td>Integer</td>
<td>CPU core count</td>
</tr>
<tr>
<td>Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>---------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>VolumeMin</td>
<td>Integer</td>
<td>Minimum disk size in GB</td>
</tr>
<tr>
<td>VolumeMax</td>
<td>Integer</td>
<td>Maximum disk size in GB</td>
</tr>
<tr>
<td>VolumeStep</td>
<td>Integer</td>
<td>Disk increment in GB</td>
</tr>
<tr>
<td>Connection</td>
<td>Integer</td>
<td>Number of connections</td>
</tr>
<tr>
<td>Qps</td>
<td>Integer</td>
<td>Queries per second</td>
</tr>
<tr>
<td>Iops</td>
<td>Integer</td>
<td>IOs per second</td>
</tr>
<tr>
<td>Info</td>
<td>String</td>
<td>Application scenario description</td>
</tr>
<tr>
<td>Status</td>
<td>Integer</td>
<td>Status value</td>
</tr>
<tr>
<td>Tag</td>
<td>Integer</td>
<td>Tag value</td>
</tr>
</tbody>
</table>

### SellType

Purchasable instance type

Used by actions: DescribeDBZoneConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TypeName</td>
<td>String</td>
<td>Name of the purchasable instance</td>
</tr>
<tr>
<td>EngineVersion</td>
<td>Array of String</td>
<td>Kernel version number</td>
</tr>
<tr>
<td>Configs</td>
<td>Array of SellConfig</td>
<td>Configuration details of a purchasable specification</td>
</tr>
</tbody>
</table>

### SlaveConfig

Configuration information of the slave database

Used by actions: DescribeDBInstanceConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ReplicationMode</td>
<td>String</td>
<td>Replication mode of the slave database. Value range: async, semi-sync</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>AZ name of the slave database, such as ap-shanghai-1</td>
</tr>
</tbody>
</table>

### SlaveInfo

Slave server information

Used by actions: DescribeDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>SlavelInstanceInfo</td>
<td>Information of slave server 1</td>
</tr>
</tbody>
</table>
## Second

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SlaveInstanceInfo</td>
<td>Information of slave server 2. Note: This field may return null, indicating that no valid values can be obtained.</td>
<td></td>
</tr>
</tbody>
</table>

## SlaveInstanceInfo

Slave server information

Used by actions: DescribeDBInstances.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vport</td>
<td>Integer</td>
<td>Port number</td>
</tr>
<tr>
<td>Region</td>
<td>String</td>
<td>Region information</td>
</tr>
<tr>
<td>Vip</td>
<td>String</td>
<td>Virtual IP information</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>AZ information</td>
</tr>
</tbody>
</table>

## SlowLogInfo

Slow log details

Used by actions: DescribeSlowLogs.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>String</td>
<td>Backup filename</td>
</tr>
<tr>
<td>Size</td>
<td>Integer</td>
<td>Backup file size in bytes</td>
</tr>
<tr>
<td>Date</td>
<td>String</td>
<td>Backup snapshot time in the format of yyyy-MM-dd HH:mm:ss, such as 2016-03-17 02:10:37</td>
</tr>
<tr>
<td>IntranetUrl</td>
<td>String</td>
<td>Download address on the private network</td>
</tr>
<tr>
<td>InternetUrl</td>
<td>String</td>
<td>Download address on the public network</td>
</tr>
<tr>
<td>Type</td>
<td>String</td>
<td>Log type. Value range: slowlog (slow log)</td>
</tr>
</tbody>
</table>

## SlowLogItem

Structured slow log details

Used by actions: DescribeSlowLogData.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timestamp</td>
<td>Integer</td>
<td>SQL execution time. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>QueryTime</td>
<td>Float</td>
<td>SQL execution duration. Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>
### Name | Type | Description
--- | --- | ---
SqlText | String | SQL statement. Note: this field may return null, indicating that no valid values can be obtained.
UserHost | String | Client address. Note: this field may return null, indicating that no valid values can be obtained.
UserName | String | Username. Note: this field may return null, indicating that no valid values can be obtained.
Database | String | Database name. Note: this field may return null, indicating that no valid values can be obtained.
LockTime | Float | Lock duration. Note: this field may return null, indicating that no valid values can be obtained.
RowsExamined | Integer | Number of scanned rows. Note: this field may return null, indicating that no valid values can be obtained.
RowsSent | Integer | Number of rows in result set. Note: this field may return null, indicating that no valid values can be obtained.
SqlTemplate | String | SQL template. Note: this field may return null, indicating that no valid values can be obtained.
Md5 | String | SQL statement MD5. Note: this field may return null, indicating that no valid values can be obtained.

### SqlFileInfo

SQL file information

Used by actions: DescribeUploadedFiles.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UploadTime</td>
<td>Timestamp</td>
<td>Upload time</td>
</tr>
<tr>
<td>UploadInfo</td>
<td>UploadInfo</td>
<td>Upload progress</td>
</tr>
<tr>
<td>FileName</td>
<td>String</td>
<td>Filename</td>
</tr>
<tr>
<td>FileSize</td>
<td>Integer</td>
<td>File size in bytes</td>
</tr>
<tr>
<td>IsUploadFinished</td>
<td>Integer</td>
<td>Whether upload is finished. Valid values: 0 (not completed), 1 (completed)</td>
</tr>
<tr>
<td>FileId</td>
<td>String</td>
<td>File ID</td>
</tr>
</tbody>
</table>

### TableName

Table name

Used by actions: DescribeBackupTables.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TableName</td>
<td>String</td>
<td>Table name</td>
</tr>
</tbody>
</table>
TablePrivilege

Table permission

Used by actions: DescribeAccountPrivileges, ModifyAccountPrivileges.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Database</td>
<td>String</td>
<td>Yes</td>
<td>Database name</td>
</tr>
<tr>
<td>Table</td>
<td>String</td>
<td>Yes</td>
<td>Table name</td>
</tr>
<tr>
<td>Privileges</td>
<td>Array of String</td>
<td>Yes</td>
<td>Permission information</td>
</tr>
</tbody>
</table>

TagInfo

Tag information

Used by actions: CreateDBInstanceHour, ModifyInstanceTag.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TagKey</td>
<td>String</td>
<td>Tag key</td>
</tr>
<tr>
<td>TagValue</td>
<td>Array of String</td>
<td>Tag value</td>
</tr>
</tbody>
</table>

TagInfoUnit

Tag information unit

Used by actions: DescribeTagsOfInstanceIds.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TagKey</td>
<td>String</td>
<td>Tag key</td>
</tr>
<tr>
<td>TagValue</td>
<td>String</td>
<td>Tag value</td>
</tr>
</tbody>
</table>

TagsInfoOfInstance

Instance tag information

Used by actions: DescribeTagsOfInstanceIds.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instanceld</td>
<td>String</td>
<td>Instance ID</td>
</tr>
<tr>
<td>Tags</td>
<td>Array of TagInfoUnit</td>
<td>Tag information</td>
</tr>
</tbody>
</table>

TaskDetail

Details of an instance task
Used by actions: DescribeTasks.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>Integer</td>
<td>Error code.</td>
</tr>
<tr>
<td>Message</td>
<td>String</td>
<td>Error message.</td>
</tr>
<tr>
<td>JobId</td>
<td>Integer</td>
<td>ID of an instance task.</td>
</tr>
<tr>
<td>Progress</td>
<td>Integer</td>
<td>Instance task progress.</td>
</tr>
<tr>
<td>TaskStatus</td>
<td>String</td>
<td>Instance task status.</td>
</tr>
<tr>
<td>TaskType</td>
<td>String</td>
<td>Instance task type.</td>
</tr>
<tr>
<td>StartTime</td>
<td>String</td>
<td>Instance task start time.</td>
</tr>
<tr>
<td>EndTime</td>
<td>String</td>
<td>Instance task end time.</td>
</tr>
<tr>
<td>InstanceIds</td>
<td>Array of String</td>
<td>ID of an instance associated with a task. Note: This field may return null, indicating that no valid values can be obtained.</td>
</tr>
<tr>
<td>AsyncRequestId</td>
<td>String</td>
<td>Async task request ID.</td>
</tr>
</tbody>
</table>

**TaskStatus**

- "UNDEFINED" - undefined;
- "INITIAL" - initializing;
- "RUNNING" - running;
- "SUCCEED" - succeeded;
- "FAILED" - failed;
- "KILLED" - terminated;
- "REMOVED" - deleted;
- "PAUSED" - paused.

**TaskType**

- "ROLLBACK" - rolling back a database;
- "SQL OPERATION" - performing an SQL operation;
- "IMPORT DATA" - importing data;
- "MODIFY PARAM" - setting a parameter;
- "INITIAL" - initializing a TencentDB instance;
- "REBOOT" - restarting a TencentDB instance;
- "OPEN GTID" - enabling GTID of a TencentDB instance;
- "UPGRADE RO" - upgrading a read-only instance;
- "BATCH ROLLBACK" - rolling back databases in batches;
- "UPGRADE MASTER" - upgrading a master instance;
- "DROP TABLES" - dropping a TencentDB table;
- "SWITCH DR TO MASTER" - promoting a disaster recovery instance.

**UploadInfo**

File upload description

Used by actions: DescribeUploadedFiles.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AllSliceNum</td>
<td>Integer</td>
<td>Number of parts of file</td>
</tr>
<tr>
<td>CompleteNum</td>
<td>Integer</td>
<td>Number of completed parts</td>
</tr>
</tbody>
</table>

**ZoneConf**
### Multi-AZ information

Used by actions: DescribeDBZoneConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Required</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeployMode</td>
<td>Array of Integer</td>
<td>Yes</td>
<td>AZ deployment mode. Value range: 0 (single-AZ), 1 (multi-AZ)</td>
</tr>
<tr>
<td>MasterZone</td>
<td>Array of String</td>
<td>Yes</td>
<td>AZ where the master instance is located</td>
</tr>
<tr>
<td>SlaveZone</td>
<td>Array of String</td>
<td>Yes</td>
<td>AZ where salve database 1 is located when the instance is deployed in multi-AZ mode</td>
</tr>
<tr>
<td>BackupZone</td>
<td>Array of String</td>
<td>Yes</td>
<td>AZ where salve database 2 is located when the instance is deployed in multi-AZ mode</td>
</tr>
</tbody>
</table>

### ZoneSellConf

AZ sale configurations

Used by actions: DescribeDBZoneConfig.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Integer</td>
<td>AZ status. Value range: 0 (not available), 1 (available), 2 (purchasable), 3 (not purchasable), 4 (not displayed)</td>
</tr>
<tr>
<td>ZoneName</td>
<td>String</td>
<td>AZ name</td>
</tr>
<tr>
<td>IsCustom</td>
<td>Boolean</td>
<td>Whether it is a custom instance type</td>
</tr>
<tr>
<td>IsSupportDr</td>
<td>Boolean</td>
<td>Whether disaster recovery is supported</td>
</tr>
<tr>
<td>IsSupportVpc</td>
<td>Boolean</td>
<td>Whether VPC is supported</td>
</tr>
<tr>
<td>HourInstanceSaleMaxNum</td>
<td>Integer</td>
<td>Maximum purchasable quantity of hourly billed instances</td>
</tr>
<tr>
<td>IsDefaultZone</td>
<td>Boolean</td>
<td>Whether it is a default AZ</td>
</tr>
<tr>
<td>IsBm</td>
<td>Boolean</td>
<td>Whether it is a BM zone</td>
</tr>
<tr>
<td>PayType</td>
<td>Array of String</td>
<td>Supported billing method. Value range: 0 (monthly subscribed), 1 (hourly), 2 (postpaid)</td>
</tr>
<tr>
<td>ProtectMode</td>
<td>Array of String</td>
<td>Data replication type. Value range: 0 (async), 1 (semi-sync), 2 (strong sync)</td>
</tr>
<tr>
<td>Zone</td>
<td>String</td>
<td>AZ name</td>
</tr>
<tr>
<td>SellType</td>
<td>Array of SellType</td>
<td>Array of purchasable instance types</td>
</tr>
<tr>
<td>ZoneConf</td>
<td>ZoneConf</td>
<td>Multi-AZ information</td>
</tr>
<tr>
<td>DrZone</td>
<td>Array of String</td>
<td>Information of the supported disaster recovery AZ</td>
</tr>
<tr>
<td>IsSupportRemoteRo</td>
<td>Boolean</td>
<td>Whether cross-AZ read-only access is supported</td>
</tr>
<tr>
<td>Name</td>
<td>Type</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>RemoteRoZone</td>
<td>Array of String</td>
<td>Information of supported cross-AZ read-only zone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: this field may return null, indicating that no valid values can be obtained.</td>
</tr>
</tbody>
</table>
Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

```json
{
  "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**

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UnsupportedOperation</td>
<td>Unsupported operation.</td>
</tr>
<tr>
<td>ResourceInUse</td>
<td>Resource is in use.</td>
</tr>
<tr>
<td>InternalError</td>
<td>Internal error.</td>
</tr>
<tr>
<td>RequestLimitExceeded</td>
<td>The number of requests exceeds the frequency limit.</td>
</tr>
<tr>
<td>AuthFailure.SecretIdNotFound</td>
<td>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.</td>
</tr>
<tr>
<td>LimitExceeded</td>
<td>Quota limit exceeded.</td>
</tr>
<tr>
<td>NoSuchVersion</td>
<td>The API version does not exist.</td>
</tr>
<tr>
<td>ResourceNotFound</td>
<td>The resource does not exist.</td>
</tr>
<tr>
<td>AuthFailure.SignatureFailure</td>
<td>Invalid signature. Signature calculation error. Please ensure you’ve followed the signature calculation process described in the Signature API documentation.</td>
</tr>
<tr>
<td>AuthFailure.SignatureExpire</td>
<td>Signature expired. Timestamp and server time cannot differ by more than five minutes. Please ensure your current local time matches the standard time.</td>
</tr>
<tr>
<td>UnsupportedRegion</td>
<td>API does not support the requested region.</td>
</tr>
<tr>
<td>UnauthorizedOperation</td>
<td>Unauthorized operation.</td>
</tr>
<tr>
<td>InvalidParameter</td>
<td>Incorrect parameter.</td>
</tr>
<tr>
<td>ResourceUnavailable</td>
<td>Resource is unavailable.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AuthFailure.MFAFailure</td>
<td>MFA failed.</td>
</tr>
<tr>
<td>AuthFailure.UnauthorizedOperation</td>
<td>The request is not authorized. For more information, see the CAM documentation.</td>
</tr>
<tr>
<td>AuthFailure.InvalidSecretId</td>
<td>Invalid key (not a TencentCloud API key type).</td>
</tr>
<tr>
<td>AuthFailure.TokenFailure</td>
<td>Token error.</td>
</tr>
<tr>
<td>DryRunOperation</td>
<td>DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.</td>
</tr>
<tr>
<td>FailedOperation</td>
<td>Operation failed.</td>
</tr>
<tr>
<td>UnknownParameter</td>
<td>Unknown parameter.</td>
</tr>
<tr>
<td>UnsupportedProtocol</td>
<td>HTTP(S) request protocol error; only GET and POST requests are supported.</td>
</tr>
<tr>
<td>InvalidParameterValue</td>
<td>Invalid parameter value.</td>
</tr>
<tr>
<td>InvalidAction</td>
<td>The API does not exist.</td>
</tr>
<tr>
<td>MissingParameter</td>
<td>A parameter is missing.</td>
</tr>
<tr>
<td>ResourceInsufficient</td>
<td>Insufficient resource.</td>
</tr>
</tbody>
</table>

### Service Error Codes

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9003</td>
<td>Incorrect parameter.</td>
</tr>
<tr>
<td>CdbError</td>
<td>Backend or process error.</td>
</tr>
<tr>
<td>CdbError.BackupError</td>
<td>Backup error.</td>
</tr>
<tr>
<td>CdbError.DatabaseError</td>
<td>Backend database error.</td>
</tr>
<tr>
<td>CdbError.ImportError</td>
<td>Import task error.</td>
</tr>
<tr>
<td>CdbError.TaskError</td>
<td>Backend task error.</td>
</tr>
<tr>
<td>FailedOperation.StatusConflict</td>
<td>Task status conflict.</td>
</tr>
<tr>
<td>InternalError.CdbCgwError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InternalError.CdbError</td>
<td>System error.</td>
</tr>
<tr>
<td>InternalError.CosError</td>
<td>Failed to obtain file information.</td>
</tr>
<tr>
<td>InternalError.DatabaseAccessError</td>
<td>Internal database error.</td>
</tr>
<tr>
<td>InternalError.DesError</td>
<td>Internal system error.</td>
</tr>
<tr>
<td>InternalError.DfwError</td>
<td>Security group operation error.</td>
</tr>
<tr>
<td>InternalError.ResourceNotMatch</td>
<td>The resource does not match.</td>
</tr>
<tr>
<td>InternalError.ResourceNotUnique</td>
<td>The resource is not unique.</td>
</tr>
<tr>
<td>InternalError.TaskFrameError</td>
<td>Async task error.</td>
</tr>
<tr>
<td>Error Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>InternalError.TradeError</td>
<td>Transaction system error.</td>
</tr>
<tr>
<td>InternalError.VpcError</td>
<td>VPC or subnet error.</td>
</tr>
<tr>
<td>InvalidParameter.DeployGroupNotEmpty</td>
<td>There are resources in the placement group.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNameNotFound</td>
<td>The instance is not found.</td>
</tr>
<tr>
<td>InvalidParameter.InstanceNotFound</td>
<td>The instance does not exist.</td>
</tr>
<tr>
<td>InvalidParameter.InvalidAsyncRequestId</td>
<td>The async task does not exist.</td>
</tr>
<tr>
<td>InvalidParameter.InvalidName</td>
<td>Invalid name.</td>
</tr>
<tr>
<td>InvalidParameter.OverDeployGroupQuota</td>
<td>The quota of placement group resources has been exceeded.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceExists</td>
<td>The resource already exists.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotExists</td>
<td>The resource does not exist.</td>
</tr>
<tr>
<td>InvalidParameter.ResourceNotFound</td>
<td>The resource is not found.</td>
</tr>
<tr>
<td>OperationDenied</td>
<td>The operation is denied.</td>
</tr>
<tr>
<td>OperationDenied.ActionInProcess</td>
<td>The instance is performing another task.</td>
</tr>
<tr>
<td>OperationDenied.ActionNotSupport</td>
<td>Unsupported operation.</td>
</tr>
<tr>
<td>OperationDenied.WrongPassword</td>
<td>Incorrect password or verification failed.</td>
</tr>
<tr>
<td>OperationDenied.WrongStatus</td>
<td>The backend task status is invalid.</td>
</tr>
<tr>
<td>OverQuota</td>
<td>Limit exceeded.</td>
</tr>
</tbody>
</table>